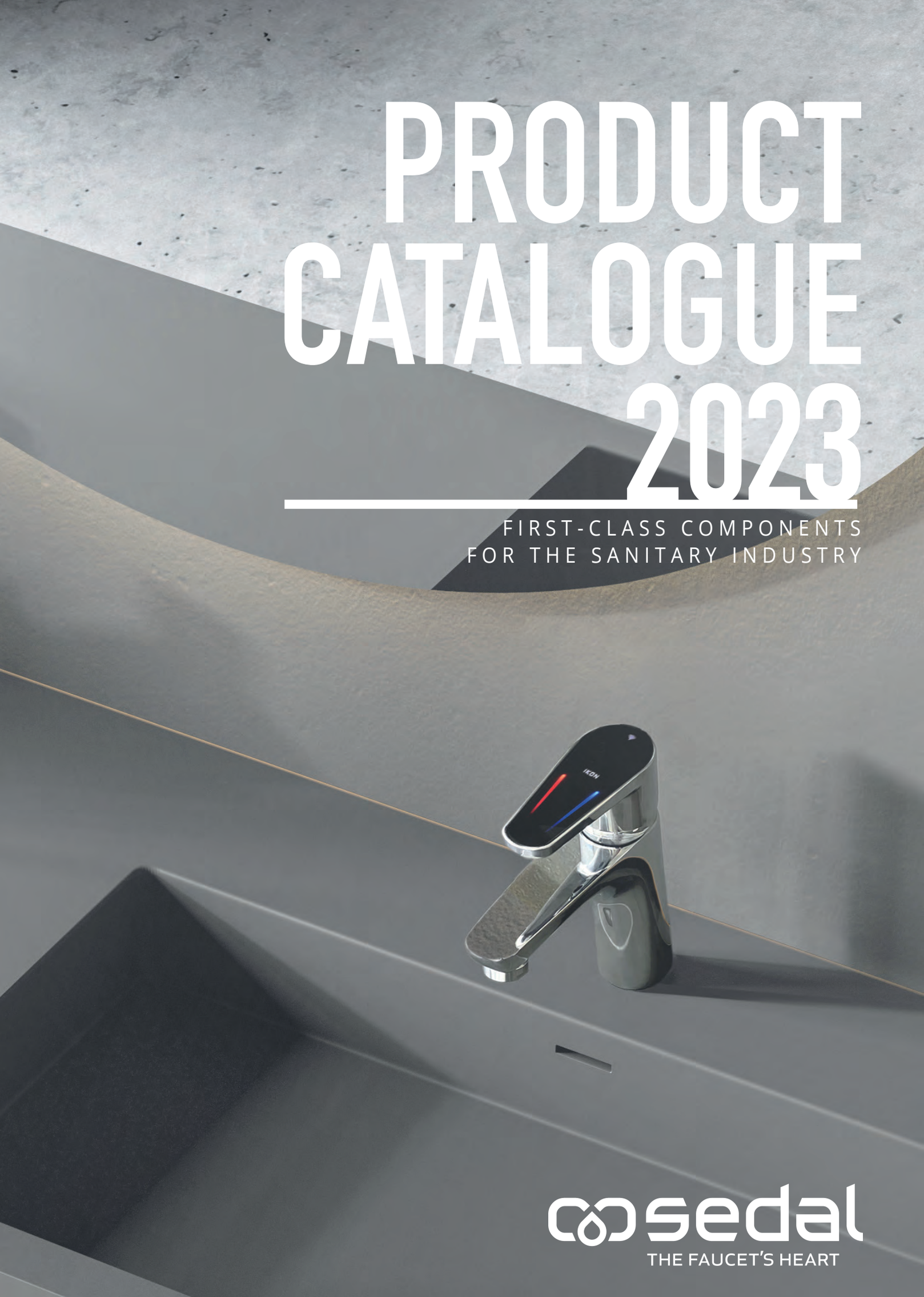
PRODUCT CATALOGUE 2023

FIRST-CLASS COMPONENTS
FOR THE SANITARY INDUSTRY



sedal
THE FAUCET'S HEART

FIND WHAT YOU NEED

The Sedal webiste offers many features in order to achieve the excellence in every detail. Thanks to continuous improvement in everything we do, we offer the best user experience possible. Allowing you to quickly find the information you are looking for.

Discover automated tools, easy navigation menus, intuitive filters and accessible information that makes the website smarter than ever.



SEDAL BLOG

Sedal introduces its new blog, a space to share with all of you information about cartridges and electronic mixing water systems, just as corporate events and latest innovations in sanitary industry,

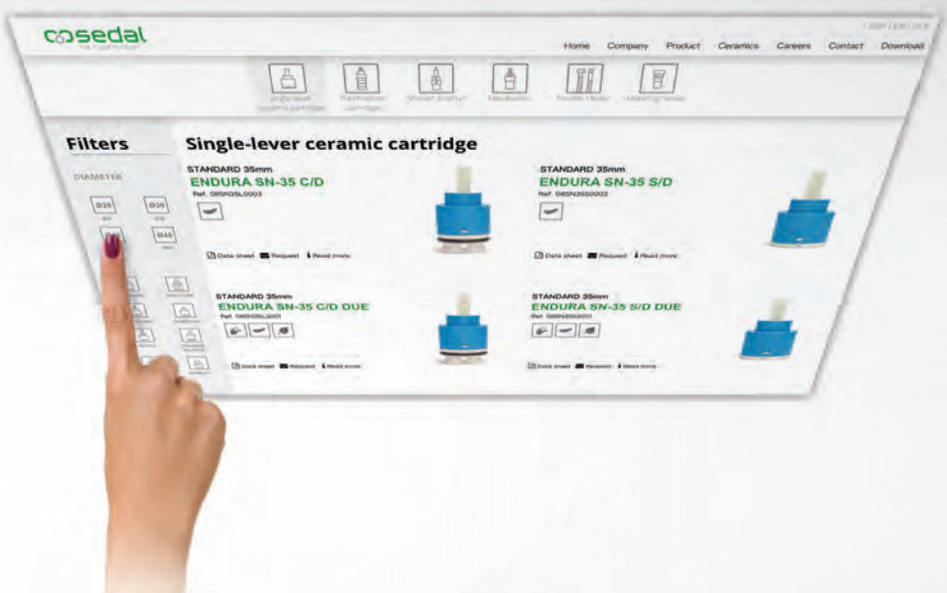
Visit us at blog.sedal.com.



SMART PRODUCT SELECTOR

The Smart Product Selector is an intuitive and powerful tool to find the product you are looking for just in a few seconds.

You can filter the product porfolio by family, size, type and functions and the system interactively displays the products that match your search. Once you finish the search you will be able to navigate or download the Data Sheet, request samples or ask for additional information from the product.



INDEX · CARTRIDGES FOR SINGLE LEVER FAUCETS

25MM MIXERS

TOP

		PAGE
	EN-25 TOP	16

ECOFLOW

		PAGE
	SN-25	26

UPPER SEALING

		PAGE
	GC25	34

28MM MIXERS

SN

		PAGE
	SN-28	38

SPECIALS

		PAGE
	REVOLVING	28
	DIVERTER	30
	JOYSTICK	32

26MM UPPER SEALING

		PAGE
	UPPER SEALING	36

UPPER SEALING

		PAGE
	EX-28 COMPACT	40

35MM

TOP

		PAGE
	EN-35	50

ENDURA

		PAGE
	SN-35	54
	EN-35	58

STANDARD

		PAGE
	EN-35	62
	SN-35	64
	TRN-35	65

BASIC

		PAGE
	BG BASIC	66

ECO FLOW

		PAGE
	SN-35	68

TERMA CLICK

		PAGE
	TERMACLICK	70

DRY FAUCET

		PAGE
	BISO	74
	SISO	76

SPECIALS

	REVOLVING	80
	BRASS DIVERTER	85
	DIVERTERS	86
	JOYSTICK	90

UPPER SEALING

	UPPER SEALING	94
	DIRECT PLUG-IN	100
	G-35 TOP	92
	CC-35	98
	COMPACT	104

40MM

MIXERS

THEDRA

		PAGE
	SN-40	118

STANDARD

		PAGE
	EN-40 E-40	122
	SN-40	130
	TRN-40	131

BASIC

		PAGE
	BG BASIC	132

ECOFLOW

		PAGE
	SN-40	134

HIGH FLOW

		PAGE
	GC-40	136
	GC-45	140

SPECIALS

		PAGE
	REVOLVING	144
	DIVERTER	146
	JOYSTICK	148
	PRESSURE BALANCE	150

UPPER SEALING

		PAGE
	UPPER SEALING	152
	COMPACT	154

34&27 MM

TM001

			PG
34MM		STANDARD	162
		LP	166
		BASIC	168
		COMPACT	170

TM006

			PG
		STANDARD	172
		BASIC	176

HEADWORKS

METAL

			PG
90° & 180°		BRASS	182
		STAINLESS STEEL	190

PLASTIC

			PG
90° & 180°		PLASTIC	192

SHOWER DIVERTERS



SHOWER DIVERTERS
PG.198

METERING VALVES



SELF-CLOSING VALVES
PG. 204

FLEXIBLE HOSES



FLEXIBLE HOSES
PG. 208

SHOWER SYSTEMS

MOZAIC

		PG
INTERFACES	 MODULAR TOUCHPAD	220
	 iSQUARE'S	227

+

SUMMUM ONE

			PG
CPUS		CPU iSCU TH_S CPU iSCU TH_SW	228
		CPU iSCU TH_S 20 CPU iSCU TH_SW20	230
		CPU iSCU TH_S 30 CPU iSCU TH_SW30	232

MOZAIC

		PG
INTERFACES	 MODULAR TOUCHPAD	220

+

SUMMUM

			PG
CPUS		CPU ISCU2 TH 20	234
		CPU ISCU2 TH 30	236
		CPU ISCU2 TH 40	238

FAUCET SYSTEMS

DIGITAP

			PG
CPUS		iSCU MINI TH_F	242
		CPU iSCU TH_F	244

+

			PG
INTERFACES		iSQUARE F	246
		iPLUG	248

IKON

			PG
INTERFACE		iHANDLE	250

+

			PG
CARTRIDGE		iTOP	250

HYDRON SENSORS

			PG												PG
CONTROL BOX		iRED	256	S1		S2		S3		S5		S6			272
		iRED PLUS	258	S1		S7 SENSOR KIT		S8 SENSOR KIT		S9 SENSOR KIT					272
		iRED LP	260	S1		S2		S3		S5		S6			272
		iRED PLUS LP	260	S1		S7 SENSOR KIT		S8 SENSOR KIT		S9 SENSOR KIT					272
		DUAL SENSE	262												



COMPANY: INNOVATING EVERYDAY

SEDAL Group is a leading global manufacturer of components for the faucet and sanitary industry. Founded in 1984, we have since then constantly grown and expanded our activities. Today we offer a wide range of products and solutions that meet the most demanding customer's requirements.

Headquartered in Spain, SEDAL is active in over 45 countries around the world, which provides us with a broad knowledge of the market. Following our vision, we pursue technical excellence in every single product we develop. Our team of engineers takes care of achieving new technical challenges to keep our customers satisfied. Deep know how in critical faucet components such as ceramic cartridges, headworks, thermostatic cartridges, flexible connections or diverters leads us to be the preferred supplier for some of the largest faucet manufacturers worldwide.

Since Sedal integrates a new company in the group, we develop and manufacture products that mix two elements: water and electronics. Under Sedal Digital Systems we combine the strenghts of both companies in order to launch the best OEM electronic systems.. Now we also have in the catalogue thermostatic shower systems, digital faucets and electronic commercial water systems.

We invite you to learn more about our full product range on this catalogue and at www.sedal.com

SEDAL GROUP COMPANIES

sedal THE FAUCET'S HEART

sedal CERAMICS YOUR TECHNICAL CERAMICS PARTNER

sedal DIGITAL SYSTEMS



CARTRIDGES FOR SINGLE LEVER FAUCETS

The ceramic cartridge is the component giving the faucet its main functionalities. SEDAL develops a range of cartridges starting from entry level valves to specific designs to improve our customer productivity and give the consumer an excellent balance between features and user experience.

We have identified each specification with an icon that is displayed along with the product name and reference.



25MM – 28MM CARTRIDGES

FOR SINGLE LEVER FAUCETS

25MM

TOP

			METAL LEVER		CODE	PAGE
25MM		EN-25 TOP C1	✓	CD SD	08EN25L0001 08EN25S0001	16

SN

			METAL LEVER		CODE	PAGE
25MM		SN-25	✓	CD SD	08SN25L0007 08SN25S0007	18
		COLD	✓	CD SD	08SN25L1503 08SN25S1503	20
		COLD MIRROR	✓	CD SD	08SN25L1504 08SN25S1504	22
		BODY & NUT	-		020167	24

ECOFLOW

			METAL LEVER		CODE	PAGE
25MM		SN-25	✓	CD SD	08SN25L0001 08SN25S0002	26

SPECIALS

			METAL LEVER		CODE	PAGE
25MM		REVOLVING GI-25	✓	SD	08GI25FBL00	28
		DIVERTER GD-25	✓	SD	08GD25FAZ00	30
		JOYSTICK JY-25	✓	SD	08JY25S0002	32

UPPER SEALING

			METAL LEVER		CODE	PAGE
25MM		UPPER SEALING GC-25	✓	SD SD CLO	08GC25S0009 08GC25S0012	34

26&27MM

UPPER SEALING

			METAL LEVER		CODE	PAGE
26MM		EX-26	-		08EX26L0001	36
27MM		EX-27	-		08EX27L1501	37

28MM

SN

			METAL LEVER		CODE	PAGE
28MM		SN-28	-	SD	08SN28S0002	38

UPPER SEALING

			METAL LEVER		CODE	PAGE
28MM		COMPACT EX-28	-		08EX28L0002	39
		EX-28 TOP C1	-		08EX28L0501	40
		EX-28 TOP DUE C2	-		08EX28L3501	40
		EX-28 TOP COLD Ch3	-		08EX28L2501	40
		EX-28 TOP COLD DUE C3	-		08EX28L5001	40
		EX-28 TOP COLD MIRROR	-		08EX28L2502	40
		EX-28 TOP COLD DUE MIRROR	-		08EX28L5002	40

EN-25 S/D TOP

STANDARD - C1 | DUE - C2 | COLD Ch3 | COLD DUE C3 | COLD MIRROR DUE

DESCRIPTION

Slim design in high and low base for major high end kitchen and basin applications.

FEATURES

FLOW LIMITER
Limit maximum water flow for water saving.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

ADVANTAGES

STRONG MATERIALS

TOP range cartridge with the newest technologies for smooth operation even in the most demanding applications. Strong and long lasting materials for the best user experience.

SMOOTH OPERATION

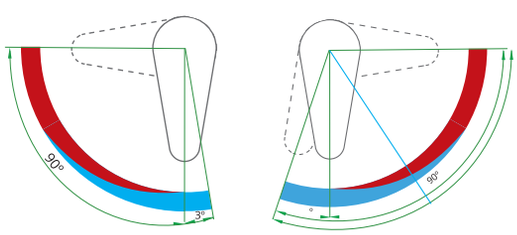
Up to 3x most mechanical standards. Feels like a 35mm cartridge when operated. Smooth operation in very hot water conditions

HIGHER FLOWRATE(1)

TOP has a 5% more flowrate than the average in its market segment. It also has **3.5% more flowrate** than its closest competitor and it is substantially better than the standard cartridges.

COLD & MIRROR TECHNOLOGY

The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



A PLUS IN SENSITIVITY

TOP has a **20% more sensitivity** than its closest competitor. It has a 12% more sensitivity than the average cartridges in the market.

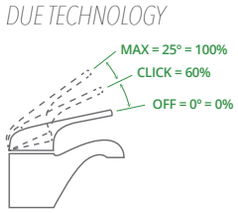
LOWER NOISE LEVEL

TOP produces less than 20dB, **20% less noise** than the average in its market segment and also than its closest competitor.

MECHANICAL STRENGHT

TOP has a **25% more mechanical strenght** than Endura.

DUE TECHNOLOGY



Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

ADDITIONAL FEATURES

EN-25 TOP COLD has the same advantages than EN-25 TOP, but with COLD technology as an additional feature.

NEW

EN-25 C/D

TOP





ALSO WITH METAL LEVER

EN-25 S/D

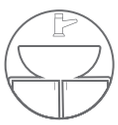
TOP



DOWNLOAD DATA SHEET

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

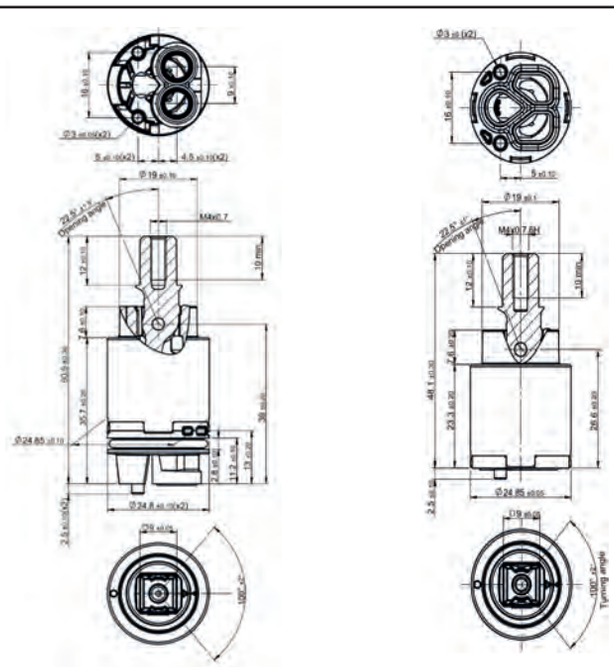


CONCEALED KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	S/D	C/D
TOP C1	REF. 08EN25S0001	REF. 08EN25L0001
TOP DUE C2	REF. 08EN25S3001	REF. 08EN25L3001
TOP COLD Ch3	REF. 08EN25S1501	REF. 08EN25L1501
TOP COLD DUE C3	REF. 08EN25S2001	REF. 08EN25L2001
TOP COLD MIRROR	REF. 08EN25S1502	REF. 08EN25L1502
TOP COLD MIRROR DUE	REF. 08EN25S2002	REF. 08EN25L2002

DIMENSIONS



* Find machinig requirements on pages 42-45

CERTIFICATIONS

KTW NSF ACS

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	7-8Nm
Opening angle	22,5°
Rotation angle	100°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
EN817 – NF ECAU ASME 112.18.1 M	140,000 cycles 1.000.000 cycles
Sensitivity Basin (1)	>12°
Fidelity (1)	<5°C
Constancy 63°C & 50°C (6 l/m & 3 l/m) (1)	<4°C - <6°C
Max. hot water*	90 °C

Operation Torque 3 bar	S/D
Open-close	0.20-0.40 Nm
Turn at close	0.15-0.35 Nm
Turn at open	0.20-0.35 Nm

Flow rate 3 bar (MIX) (1)	S/D
Basin DN8 (Free flow)	14,8 l/min
Basin DN8 (RhA)	10,8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-25

DESCRIPTION

New SN-25 cartridges from SEDAL have been designed to perform above standards including robust lever design, smooth operation and higher flow than previous versions, providing great value-added products for the faucet's manufacturer.

FEATURES



SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.



LEVER VARIANTS
This cartridge allows different lever versions, such as metal lever.

ADVANTAGES

- *IMPROVED PERFORMANCE*

  25mm cartridges are typically more sensitive to tough conditions, so we developed a new 25mm valve improving the technical specifications to achieve the best performance.
  - +30% flow rate increase
  - +20% smoothness operation torque
  - -50% noise reduction

- *MORE ENDURANCE*

  The application of new technologies inside our cartridges has extended SN-25 endurance:
  - 1x ASME / EN life cycle
  - Improved plastic material robustness
  - +50% Increased torque resistance
  - +30% Increased flexion resistance

- *TOUGH CONSTRUCTION FOR SMALL FAUCETS DESIGN*

  The small size of SN-25 makes it specially suitable for slim design faucets, allowing the manufacturer to innovate with its design without giving up the high-performance and robustness of the product.

- *DIFFERENT VERSIONS AVAILABLE*

  SN-25 cartridge is available with and without distributor. There is also a metal lever version compatible with C/D and S/D bases.

- *HIGH SENSITIVITY*

  The high sensitivity SN25 improves the sensitivity test result by more than 20%, enabling the cartridge to be used with shorter levers while keeping an excellent temperature control.

NEW

SN-25 C/D

REF. 08SN25LG000

SN-25 S/D

REF. 08SN25FG000



DOWNLOAD DATA SHEET

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



SHOWERS
Specially designed for one outlet showers.



KITCHENS
Suitable for use in kitchens.

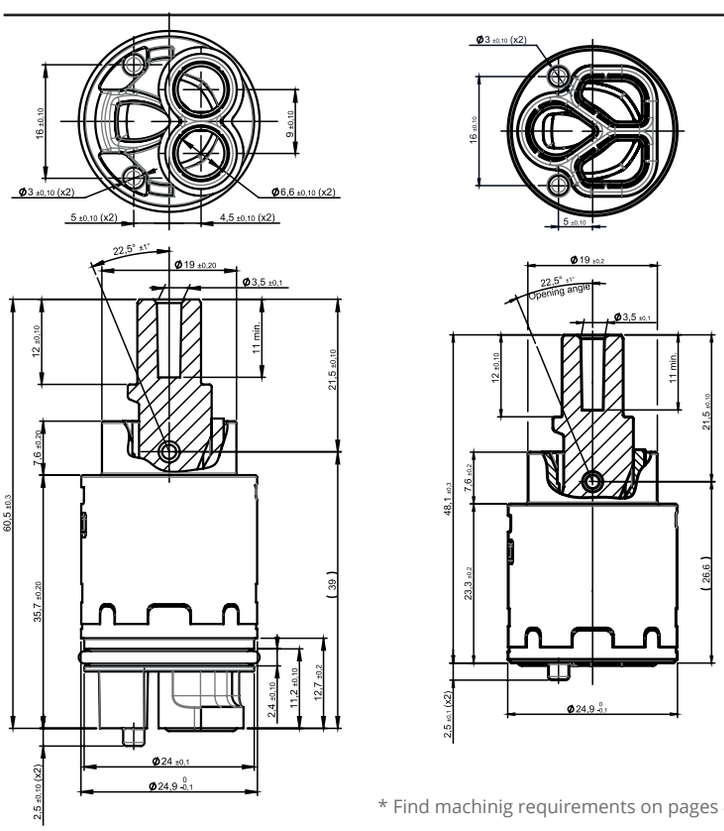
CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS

High Sensitivity REF. 08SN25S0016

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.25	7-8Nm	7-8Nm
Opening angle	22.5°	22.5°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity (r=45mm)	>12 mm	>12 mm
Fidelity	<5°C	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C
Max. hot water*	90 °C	90 °C
Operation Torque	**C/D**	**S/D**
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm
Flow rate (free flow)	**C/D (basin)**	**S/D (basin)**
at 0.2 bar	5 l/min	4.8 l/min
at 1 bar	10.5 l/min	10 l/min
at 3 bar	17.2 l/min	16.9 l/min
at 5 bar	23.5 l/min	21 l/min
Flow rate (free flow)	**C/D (bath)**	**S/D (bath)**
at 0.2 bar	5.6 l/min	3.2 l/min
at 1 bar	12.1 l/min	11.1 l/min
at 3 bar	20.8l/min	19.1 l/min
at 5 bar	26.5 l/min	24.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-25
COLD

DESCRIPTION

New SN-25 cartridges from SEDAL have been designed to perform above standards including robust lever design, smooth operation and higher flow than previous versions, providing great value-added products for the faucet's manufacturer.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

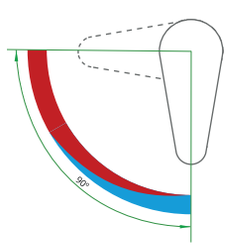
LEVER VARIANTS
This cartridge allows different lever versions, such as metal lever.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

ADVANTAGES

- *ADDITIONAL FEATURES*
  SN-25 Cold has the same advantages than SN-25, but with cold technology as an additional feature.

- *COLD TECHNOLOGY*
  The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



SN-25 C/D

COLD

REF. 08SN25L1503



DOWNLOAD DATA SHEET

SN-25 S/D

COLD

REF. 08SN25S1503



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

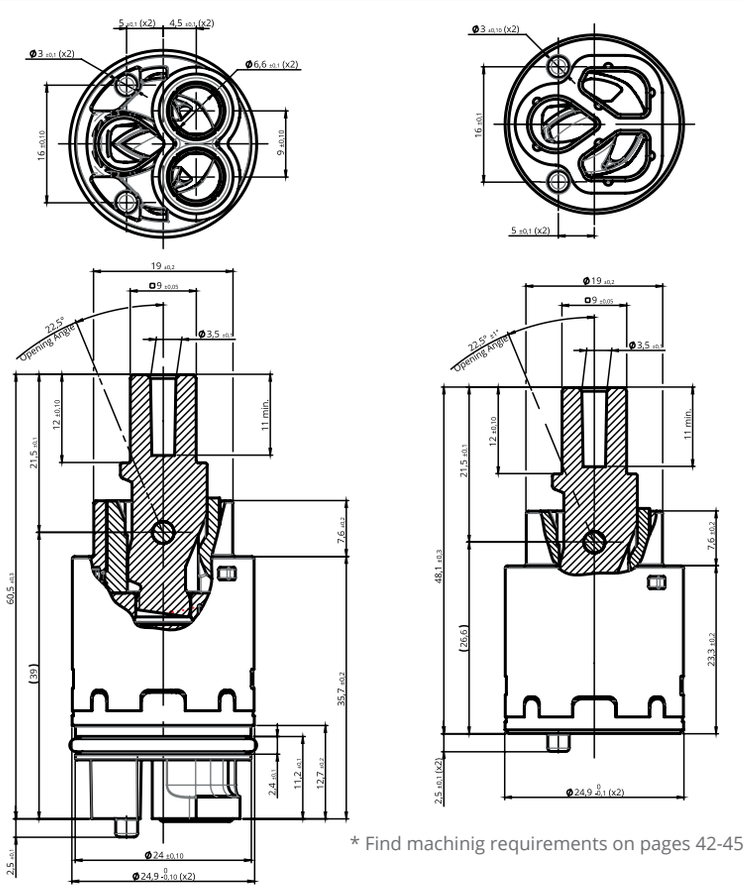


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.25	7-8Nm	7-8Nm
Opening angle	22.5°	22.5°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity (r=45mm)	>12 mm	>12 mm
Fidelity	<5°C	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	3 l/min	3.2 l/min
at 1 bar	7 l/min	7.4 l/min
at 3 bar	12 l/min	12.6 l/min
at 5 bar	15.30 l/min	16.1 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-25
COLD MIRROR

DESCRIPTION

New SN-25 cartridges from SEDAL have been designed to perform above standards including robust lever design, smooth operation and higher flow than previous versions, providing great value-added products for the faucet's manufacturer.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

LEVER VARIANTS
This cartridge allows different lever versions, such as metal lever.

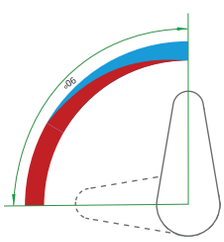
COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

MIRROR
Movement from right to left to obtain hot water.

ADVANTAGES

- *ADDITIONAL FEATURES*
  SN-25 Cold mirror has the same advantages than SN-25, but with cold mirror technology as an additional feature.

- *COLD TECHNOLOGY*
  The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



- *SPECIALLY DESIGNED FOR KITCHEN APPLICATIONS*
  Mirror version has been specifically designed for kitchen applications, avoiding the inconvenience of the handle touching the wall.

SN-25 C/D
COLD MIRROR

REF. 08SN25L1504



DOWNLOAD DATA SHEET

SN-25 S/D
COLD MIRROR

REF. 08SN25S1504

DOWNLOAD DATA SHEET

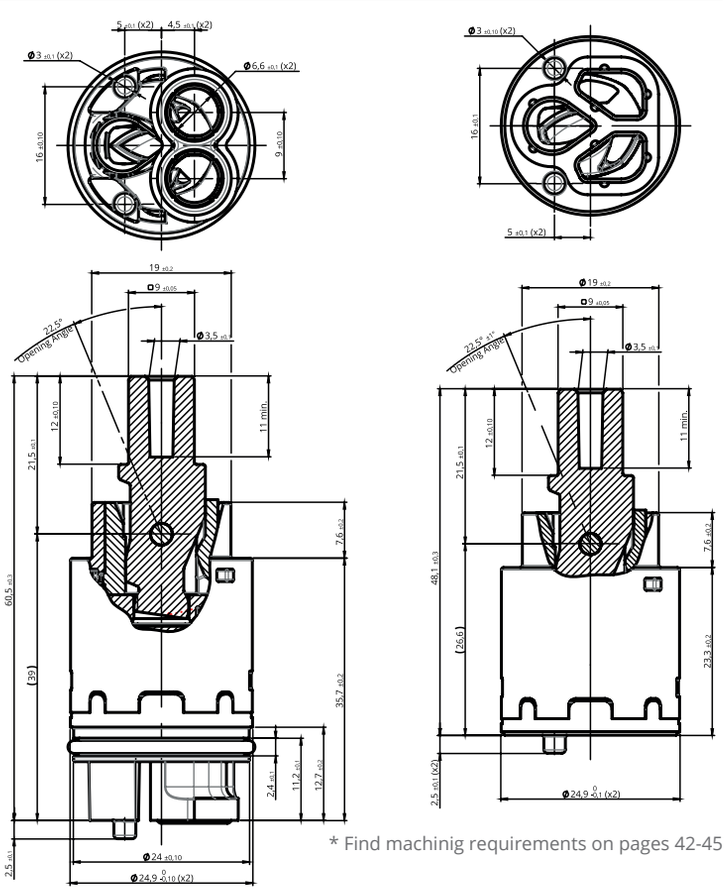
RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.25	7-8Nm	7-8Nm
Opening angle	22.5°	22.5°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity (r=45mm)	>12 mm	>12 mm
Fidelity	<5°C	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	3 l/min	3.2 l/min
at 1 bar	7 l/min	7.4 l/min
at 3 bar	12 l/min	12.6 l/min
at 5 bar	15.30 l/min	16.1 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-25
BODY&NUT

DESCRIPTION

Technical kit consisting in base, cartridge and retaining nut in a single SKU. The faucet project becomes extremely simple as only few machining and critical dimensions are necessary. The materials used in the development of this kit have been carefully curated to cope with the most demanding standards in the world.

FEATURES



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.



EASY MACHINING

ADVANTAGES

- *FAST AND EASY OPERATION*
  Full assembly of base, cartridge and nut to make the faucet design a fast and easy operation.
- *SIMPLIFIES THE MACHINING*
  Simplifies the machining of the body to minimums, keeping the functionality with high precision operation.
- *HOSES INTO THE BASE*
  The hoses thread directly into the base.

BODY & NUT

SN-25

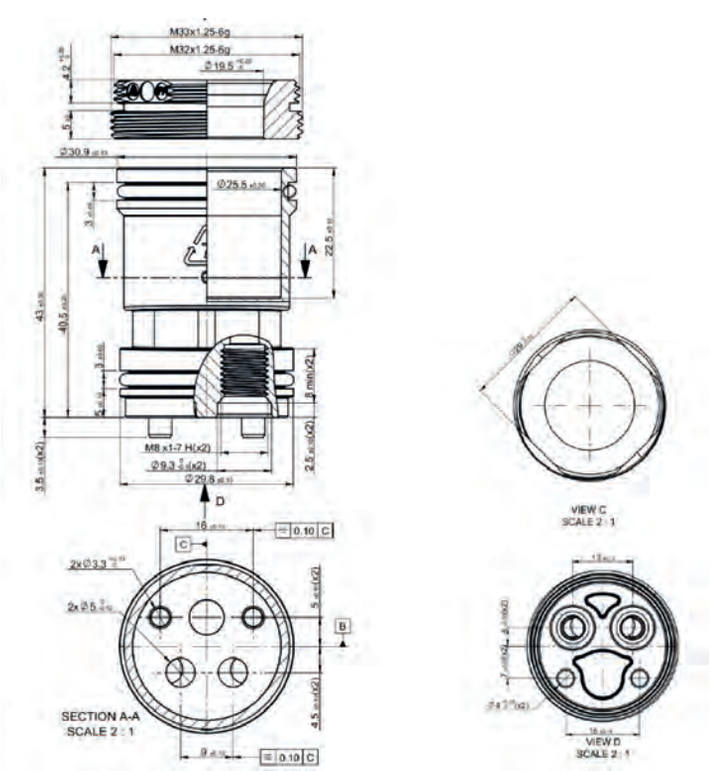
REF. 020167



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D
Nut torque (SEDAL SN25 family recommend)	5 - 6 Nm
Working pressure (recommended)	1 - 5 bar
Flexible connection threaded torque	Max 8Nm

* Find machinig requirements on pages 34-37.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-25
ECOFLOW

DESCRIPTION

Ecoflow cartridges have been designed for applications where a low flow is required to fulfill the latest standards and market trends. The low flow that a manufacturer would normally reach with the use of restrictors, can be reached by using the Ecoflow cartridge with an aireator, suppressing the negative effects of the current solutions. The Ecoflow 25 is specifically designed to deliver 5.5 liters @3 bar without using restrictors. It also includes a clutch for a perfect operational feel and a high maximum torque resistance to withstand harsh environments.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

REGULATIONS
This cartridge is optimized according to WaterSense and Water Label requirements.

RESTRICTOR
The cartridge includes itself a restrictor that reduces the flow rate to save water.

ADVANTAGES

- *SN TECHNOLOGY*
  Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).

- *IMPROVED FLOW-RATE VS HANDLE STROKE*
  Existing solutions offer a very limited opening stroke to regulate the flow. With ECOFLOW, the entire stroke is available.



- *REDUCES TEMPERATURE FLUCTUATION*
  When using a flow limiter in the spout combined with standard cartridges, the user can experience strong changes in water temperature. The new ECOFLOW Tech valves provide an excellent temperature stability in front of pressure variations in cold and hot water supply lines at low flow rates.



VARIATION OF +0,3 BAR IN HOT WATER INLET

- *THE USAGE OF A RESTRICTOR IS OPTIONAL*
  The flow rate reduction is carried out at the right place. With ECOFLOW the usage of a limiter or restrictor is optional.

SN-25 C/D
ECOFLOW

REF.08SN25L0001



SN-25 S/D
ECOFLOW

REF.08SN25S0002



DOWNLOAD
DATA SHEET

DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



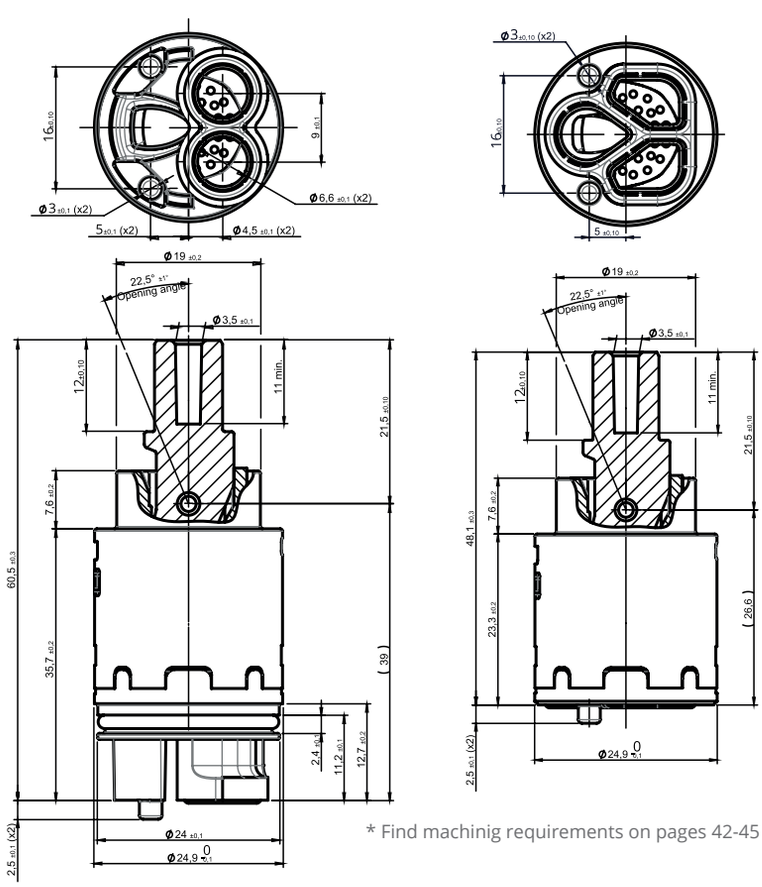
WASHBASINS
Specially useful for
low flow washbasins.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

* Optimised for WaterSense and WaterLabel

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	7-8Nm	7-8Nm
Opening angle	22.5º	22.5º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity	>12 mm	>12 mm
Fidelity	<3º	<3º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	1.5 l/min	1.5 l/min
at 1 bar	3.7 l/min	3.7 l/min
at 3 bar	6.1 l/min	6.1 l/min
at 5 bar	7.3 l/min	7.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

REVOLVING
GI–25

DESCRIPTION

Revolving cartridges include a turning lever in order to mix water and provide better control of the flow rate.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

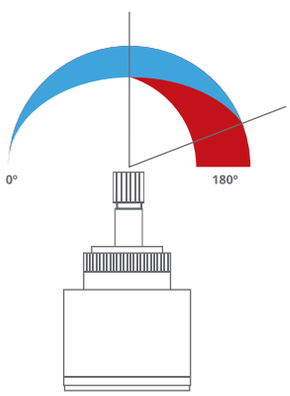
COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

REVOLVING
This cartridge has a turning lever from 0° to 180°.

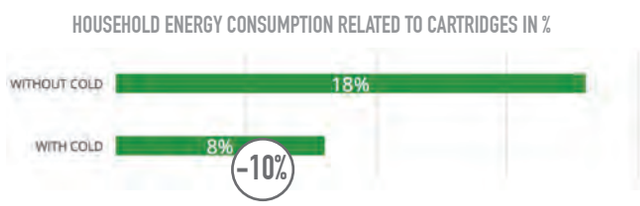
METALLIC LEVER
This revolving cartridge has metallic lever

ADVANTAGES

- *REVOLVING MOVEMENT*
  25mm revolving cartridge has a rotation angle of 180° from cold to hot.



- *COLD TECHNOLOGY*
  The cartridge starts in cold position by default, saving energy consumption related to plumbing products in the household.



GI-25 S/D

REF. 08GI25FBL00



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

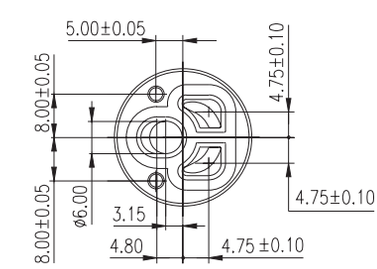


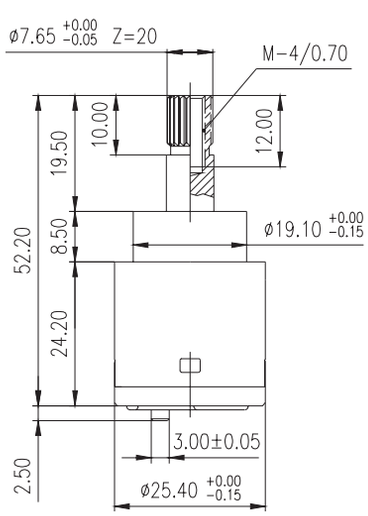
DECORATIVE WASHBASINS
Specially designed for decorative faucets.

CERTIFICATIONS

KTW AS/NZS NSF

DIMENSIONS





* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	7-8Nm
Rotation angle	180º
Working pressure (recommended)	1 - 5 bar
Burst pressure	25-30 bar
Life cycle - EN 200 ASME 112.18.1 M	200,000 cycles 500,000 cycles
Max. hot water*	90 ºC

Operation Torque	S/D
Turn left-right	0.50-0.40 Nm

Flow rate (free flow)	S/D
at 0.5 bar	3.9 l/min
at 1 bar	5.6 l/min
at 3 bar	9.6 l/min
at 5 bar	12.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIVERTER
GD-25

DESCRIPTION

The GD25 diverter from Sedal is a high end 25mm valve that provides smooth operation along with a defined feeling of safety and precision thanks to the metallic lever and a high precision ceramic set. The operation torque has been improved while keeping a small footprint. Works perfectly paired with our TM006 Thermostatic cartridge for showers.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

METALLIC LEVER
This revolving cartridge has metallic lever.

OUTLETS
Diverter cartridge with two outlets.

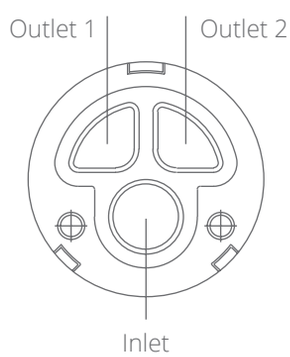
ROTATION ANGLE
Diverter cartridge with 90º rotation angle.

ADVANTAGES

- *SLIM BODY SHOWERS WITH HIGH FLOW*
  The GD25 has a high flow rate @3 bar, allowing to build slim body showers with 2 outlets providing a positive user experience while assuring an ecologic water consumption.

- *MORE ENDURANCE*
  Extended life time thanks to a high grade ceramic set made in our Technical Ceramics facilities. The metal lever improves the user perception of quality and precision in a small cartridge.

- *DIVERTER FUNCTIONALITY*
  This cartridge fits specially good in bath showers because allows to have two different outlets while keeping slim designs. Mixed water entersinlet 3 and exits
  either outlet 1 or 2.



GD-25 S/D

REF. 08GD25FAZ00



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

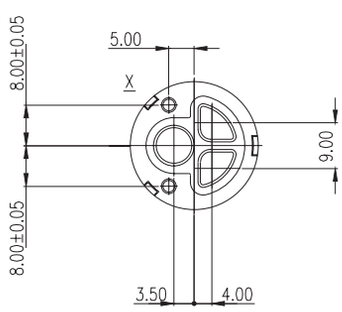


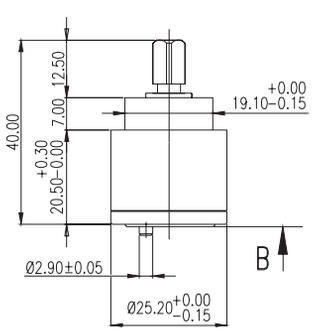
SHOWERS DIVERTERS
Specially designed for showers with diverters.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	7-8Nm
Rotation angle	90°
Working pressure (recommended)	1 - 5 bar
Burst pressure	25 bar
Life cycle - EN 817	30,000 cycles
Max. hot water*	90 °C

Operation Torque	S/D
Turn left-right	0.15-0.30 Nm

Flow rate (free flow)	S/D
at 0.5 bar	6.8 l/min
at 1 bar	9.3 l/min
at 3 bar	16 l/min
at 5 bar	20.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 42-45

JOYSTICK
JY-25

DESCRIPTION

Joystick cartridges have a similar functionality as standard cartridges, although the special design of their levers allows smooth 360º movements. Very popular in some countries, Joystick cartridges provide a natural movement especially with vertical levers. The JY25 from Sedal is a very compact Joystick cartridge specially developed for slim bodies or cascade tap designs.

FEATURES



JOYSTICK
Joystick cartridge with smooth 360º movement.

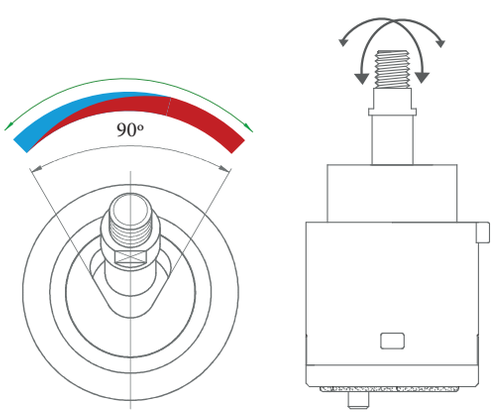


METALLIC LEVER
This joystick cartridge has metallic lever

ADVANTAGES

- *SMALLEST IN THE MARKET*
  25mm joystick is the smallest in the industry, allowing the manufacturer to design slim faucets.

- *NEW CERAMICS DISC GEOMETRY*
  JY-25 C/D has a new ceramics disc geometry that allows its smooth 360º movement.



- *ROBUST DESIGN*
  25mm joystick has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  JY-25 C/D has higher flow rates than previous versions.

JY-25 S/D

REF. 08JY25S0002



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

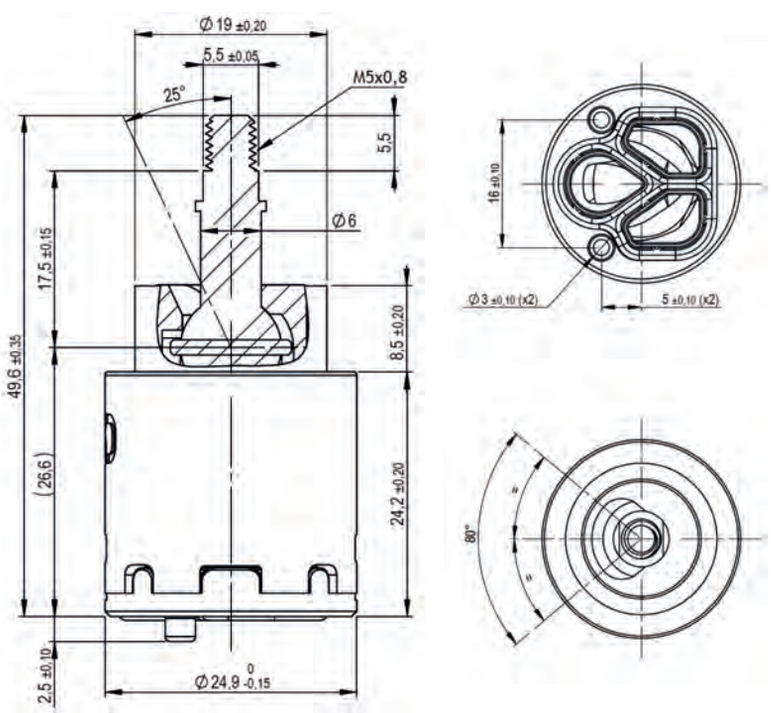


WASHBASINS
Specially designed for washbasins.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	7-8 Nm
Opening angle	25ºC
Rotation angle	80º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817	70,000 cycles
Max. hot water*	90 ºC

Operation Torque	S/D
Turn left-right	0.15-0.35 Nm

Flow rate (free flow)	S/D
at 0.5 bar	6.0 l/min
at 1 bar	8.5 l/min
at 3 bar	14.4 l/min
at 5 bar	18.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 42-45

UPPER SEALING
GC-25

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side.

Some of these cartridges also provide extra productivity thanks to their design.

FEATURES

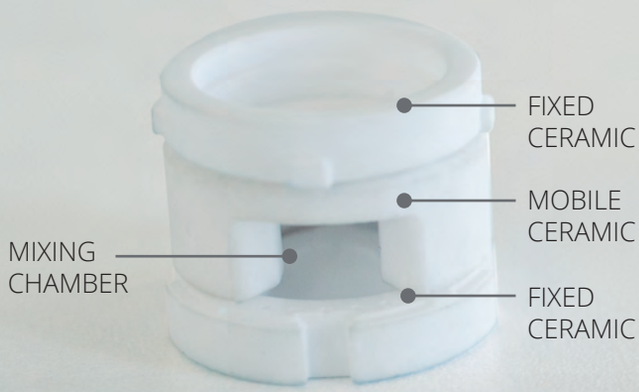


METALLIC LEVER
This joystick cartridge has metallic lever

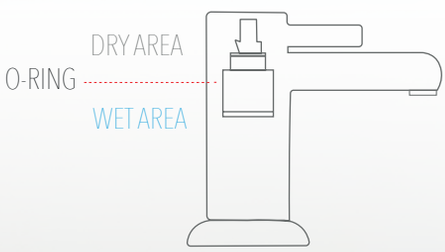
ADVANTAGES

- *TRIALOX TECHNOLOGY*
  The new GC-25 Trialox features a new ceramic design that boosts its life expectancy while improving consistently the comfort of operation. Sedal's Trialox Technology is at the heart of this upper sealing 25mm cartridge to deliver a significant high flow for such a small footprint.

- *NEW REVOLUTIONARY CERAMIC SET*
  The GC-25 Trialox consists on a mobile ceramic sandwiched between two fixed ones, instead of the classic two ceramic construction. The water flows inside GC-25 through the lower ceramic to the mixing chamber. The upper fixed ceramic ensures leakage protection while keeping operation smooth.



- *ALLOWS DIFFERENT FAUCET CONFIGURATIONS*
  Allows the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side.



- *HIGH PERFORMANCE*
  Along with a high flow, the GC-25 Trialox ensures a full EN817 or ASME cycling while keeping the torque of operation and comfort parameters regularly.

- *DLC COATING*
  As an option, a Diamond Coated ceramic set can be ordered to improve the operation torque and the life expectancy, as well as a sensible reduction of the chatter effect in extremely high temperatures.

GC-25 S/D

REF. 08GC25S0009



DOWNLOAD DATA SHEET

GC 25 S/D CLOSED

REF. 08GC25S0012



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

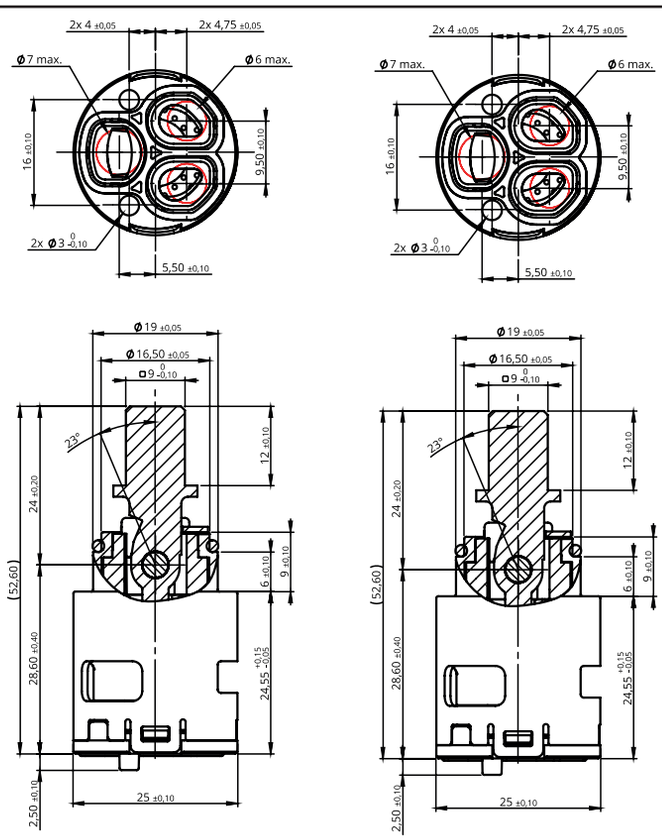
CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

OTHER VERSIONS

	S/D	S/D CLOSED
DLC Coated Ceramic	REF.08GC25S0011	REF.08GC25S0013
Metal Lever Split	REF.08GC25S0017	

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	S/D	S/D CLOSED
Nut torque pitch M1.5	7-8 Nm	7-8 Nm
Opening angle	23º	23º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 ASME A112.18.1	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity (r=52mm)	11º-13º angle	11º-13º angle
Fidelity	<3ºC	<3ºC
Constant 63ºC & 50ºC (6 l/min - 3 l/min)	<4ºC-<6ºC	<4ºC-<6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	S/D	S/D CLOSED
Turn left-right	0.15-0.40 Nm	0.15-0.40 Nm
Open-close	0.15-0.40 Nm	0.15-0.40 Nm

Flow rate (free flow)	S/D	S/D CLOSED
at 0.5 bar	6.2 l/min	6.2 l/min
at 1 bar	9.2 l/min	9.2 l/min
at 3 bar	16.1 l/min	16.1 l/min
at 5 bar	20.9 l/min	20.9 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

EX-26 C/D
CARTRIDGES

NEW

EX-26 C/D

REF. 08EX26L0001



DOWNLOAD DATA SHEET

DESCRIPTION

Small diameter upper sealing cartridge that allows to build slim faucets with a high sealing position for modern designs.

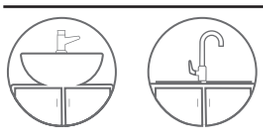
FEATURES

Fulfills major standards and built to last, made with high degree thermoplastics. Small diameter combined with upper sealing area.

ADVANTAGES

Rugged materials combined with several technologies offer a 35mm-like experience with smooth and firm feeling when operated.

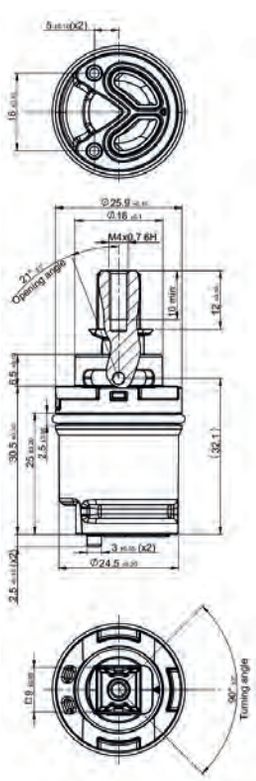
RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS NSF ACS NF

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Nut torque (pitch 1,5mm)	7-8Nm
Opening angle	21°
Rotation angle	90°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life test 2 x EN 817 / GB18145	140,000 cycles
Sensitivity(1) NF-077	>10 mm
Fidelity (1) NF-077	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min) (1)	<4°C - <6°C
Max. hot water*	65 °C

Operation Torque (3 bar)	
Open-close	0.20-0.40 Nm
Turn at close	0.10-0.40 Nm
Turn at open	0.10-0.40 Nm

Flow rate basin faucet @ 3 bar (1)	
Free flow (Mix)	16,0 l/min

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 38-41.

EX-27 S/D

STANDARD C1 | DUE C2 | COLD Ch3 | COLD DUE C3 | COLD MIRROR | COLD MIRROR

EX-27 S/D

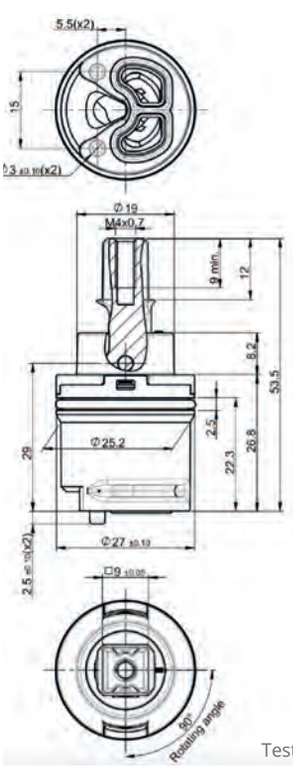
REF. 08EX27L1501



OTHER VERSIONS — S/D

TOP C1	REF. 08EX27L0501
TOP DUE C2	REF. 08EX27L3501
TOP COLD Ch3	REF. 08EX27L2501
TOP COLD DUE C3	REF. 08EX27L5001
TOP COLD MIRROR	REF. 08EX27L2502
TOP COLD MIRROR DUE	REF. 08EX27L5002

DIMENSIONS





-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 42-45

DESCRIPTION

The EX-27 cartridge provides a slim design capability resulting in an interesting intermediate way in between 35mm and 25mm taps. It features soft operational movement thanks to a high grade ceramics.

This cartridge has been specially design to achieve norm NF-007.

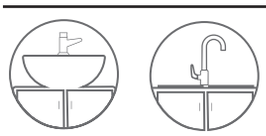
FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges.

ADVANTAGES

The manufacturer can keep a slim design but can obtain a higher flow rate. Upper sealed cartridges allow the manufacturer to work with different faucet configurations.

RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	EX-28 TOP	EX-28 TOP COLD
Nut torque pitch M1.5	7-8Nm	7-8Nm
Opening angle	22º	22º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle- x2 ASME x2 EN 817 NF-077 U3 x2 GB-18145	1,000,000 cycles 140,000 cycles 175,000 cycles 140,000 cycles	1,000,000 cyc. 240,000 cycles 175,000 cycles 140,000 cycles
Sensitivity	>12º angle	>12º angle
Fidelity	<5º C	<5º C
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	EX-28 TOP	EX-28 TOP COLD
Open-close	0.15-0.30 Nm	0.15-0.30 Nm
Turn left-right	0.15-0.30 Nm	0.15-0.30 Nm

Flow rate (free flow DN8)	EX-28 TOP	EX-28 TOP COLD
at 3 bar	13.9 l/min	12.5l/min

SN-28
CARTRIDGES

SN-28 S/D

REF. 08SN28S0002



DOWNLOAD DATA SHEET

DESCRIPTION

The SN28 cartridge provides a slim design capability but not as thin as 25mm cartridges, resulting in an interesting intermediate way in between 35mm and 25mm taps. It features soft operational movement thanks to a clutched ceramic movement and high grade ceramics.

FEATURES

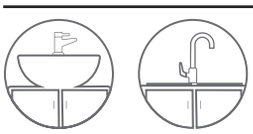
SOFT

Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

ADVANTAGES

The manufacturer can keep a slim design but can obtain a higher flow rate.

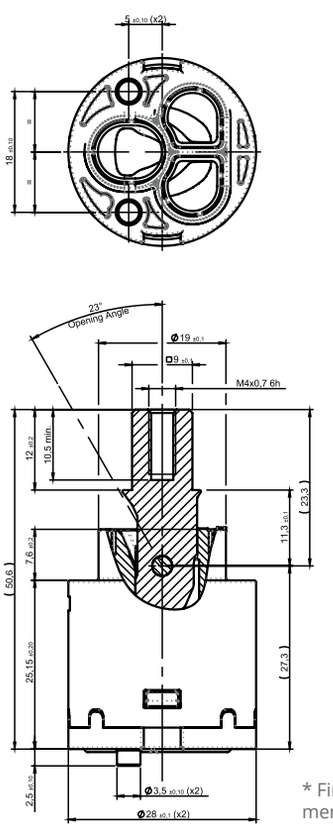
RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 42-45

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	7-8Nm
Opening angle	23°
Rotation angle	100°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
ASME 112.18.1 M	500,000 cycles
Sensitivity (r=45mm)	>10 mm
Fidelity	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C
Max. hot water*	90 °C

Operation Torque	S/D
Open-close	0.15-0.30 Nm
Turn left-right	0.15-0.35 Nm

Flow rate (free flow)	S/D
at 0.2 bar	5.7 l/min
at 1 bar	12 l/min
at 3 bar	20.3 l/min
at 5 bar	25.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT
EX-28

EX-28

REF. 08EX28L0002



DOWNLOAD DATA SHEET

DESCRIPTION

Compact 28 mm cartridge specially designed for short faucets.

ADVANTAGES

MINIMALISM WITH HIGH PERFORMANCE

Compact cartridges allow the manufacturer to create minimalistic faucets without giving up the high-performance features of the cartridges.

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.

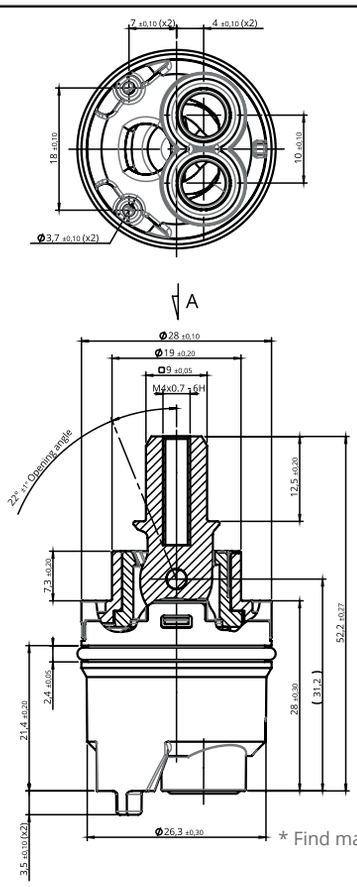


CONCEALED SHOWERS
Specially designed for one outlet showers.



CONCEALED KITCHENS
Suitable for use in kitchens.

DIMENSIONS



* Find machinig requirements on pages 42-45

CERTIFICATIONS

ACS WRAS

TECHNICAL SPECIFICATIONS

General	EX-28
Nut torque pitch M1.5	8 Nm
Opening angle	22º
Rotation angle	90º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817 ASME 112.18.1 M	140,000 cycles 500,000 cycles
Sensitivity	10º-12º angle
Fidelity	5 ºC
Max. hot water*	90 ºC

Operation Torque	EX-28
Open-close	0.15-0.25 Nm

Flow rate (free flow)	EX-28
at 0.5 bar	8.6 l/min
at 1 bar	12.2 l/min
at 3 bar	21.2 l/min
at 5 bar	27.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT EX-28 TOP

STANDARD C1 | DUE C2 | COLD Ch3 | COLD DUE C3 | COLD MIRROR | COLD MIRROR DUE

DESCRIPTION

The EX-28 cartridge provides a slim design capability resulting in an interesting intermediate way in between 35mm and 25mm taps. It features soft operational movement thanks to a high grade ceramics.

This cartridge has been specially design to achieve norm NF-007.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges.

ADVANTAGES

SLIM DESIGN, HIGHER FLOW RATE

The manufacturer can keep a slim design but can obtain a higher flow rate. Upper sealed cartridges allow the manufacturer to work with different faucet configurations.

HIGHER FLOWRATE(1)

TOP has a 5% more flowrate than the average in its market segment. It also has **3.5% more flowrate** than its closest competitor and it is substantially better than the standard cartridges.

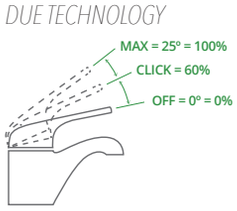
A PLUS IN SENSITIVITY

TOP has a **20% more sensitivity** than its closest competitor. It has a 12% more sensitivity than the average cartridges in the market.

LOWER NOISE LEVEL

TOP produces less than 20dB, **20% less noise** than the average in its market segment and also than its closest competitor.

DUE TECHNOLOGY



Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

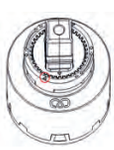
MECHANICAL STRENGHT

TOP has a **25% more mechanical strenght** than Endura.

VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

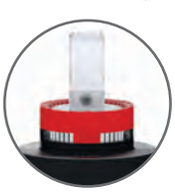

0º TURN


27º TURN

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9º), enabling an anti-scalding safety feature.

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

EXTRAORDINARY COMFORT

TOP has an **extraordinary operational comfort**, with smooth operation even in hot conditions, offering to the user a 11% more comfort than the average in its market segment.

EX-28
TOP



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.

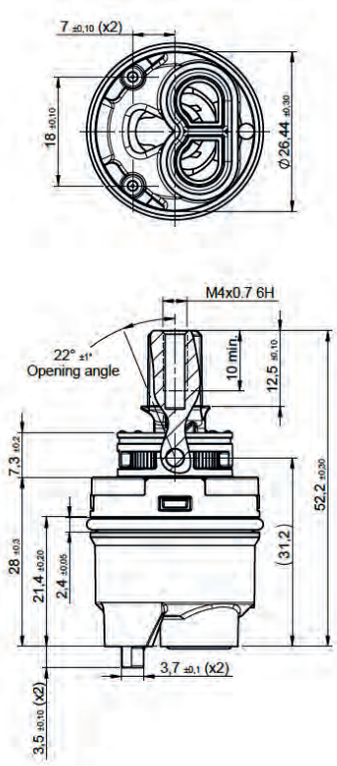


CONCEALED KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

TOP C1	REF. 08EX28L0501
TOP DUE C2	REF.08EX28L3501
TOP COLD Ch3	REF.08EX28L2501
TOP COLD DUE C3	REF.08EX28L5001
TOP COLD MIRROR	REF.08EX28L2502
TOP COLD DUE MIRROR	REF.08EX28L5002

DIMENSIONS







ıd machinig requirements on pages 42-45

CERTIFICATIONS

KTW WRAS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	EX-28 TOP	EX-28 TOP COLD
Nut torque pitch M1.5	7-8Nm	7-8Nm
Opening angle	22º	22º
Rotation angle	90º	93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle- x2 ASME x2 EN 817 NF-077 U3 x2 GB-18145	1,000,000 cycles 140,000 cycles 175,000 cycles 140,000 cycles	1,000,000 cyc. 240,000 cycles 175,000 cycles 140,000 cycles
Sensitivity	>12º angle	>12º angle
Fidelity	<5º C	<5º C
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	EX-28 TOP	EX-28 TOP COLD
Open-close	0.15-0.30 Nm	0.15-0.30 Nm
Turn left-right	0.15-0.30 Nm	0.15-0.30 Nm

Flow rate (free flow DN8)	EX-28 TOP	EX-28 TOP COLD
at 3 bar	13.9 l/min	13.9 l/min

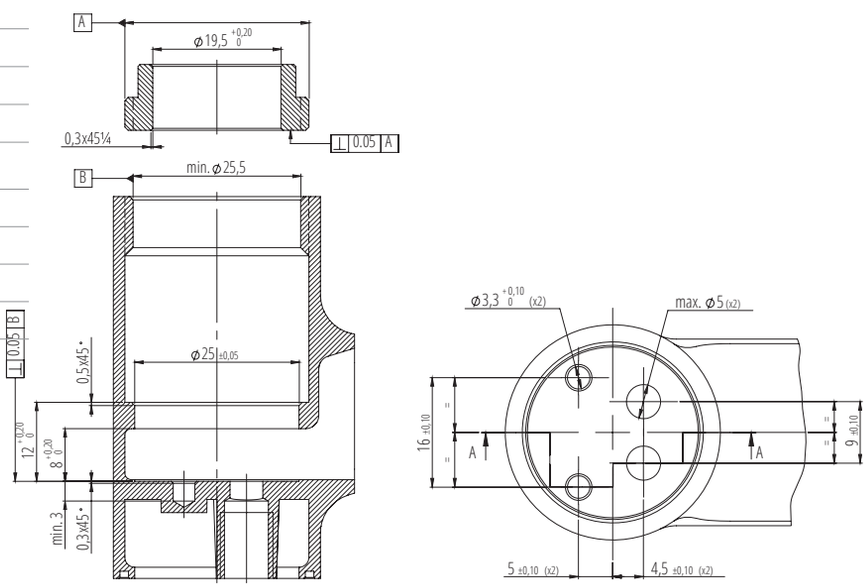
-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

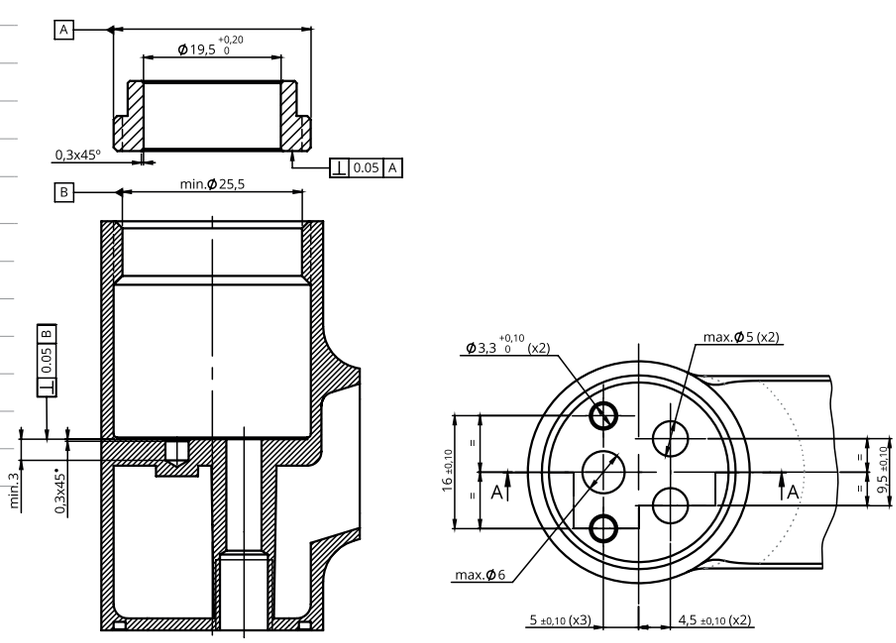
MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

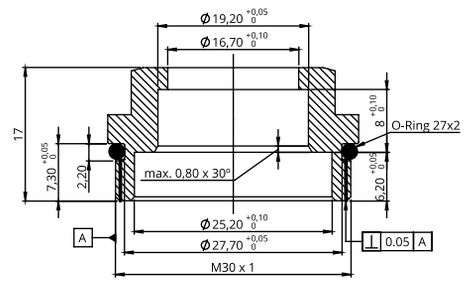
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
25 mm	EN-25 C/D	08EN25L0001	16	
	EN-25 C/D DUE	08EN25L3001	16	
	EN-25 C/D COLD	08EN25L1501	16	
	EN-25 C/D COLD DUE	08EN25L2001	16	
	EN-25 C/D COLD MIRROR	08EN25L1502	16	
	EN-25 C/D COLD MIRROR DUE	08EN25L2002	16	
	SN-25 C/D	08SN25LGO00	18	
	SN-25 C/D COLD	08SN25L1503	20	
	SN-25 C/D COLD MIRROR	08SN25L1504	22	
	SN-25 C/D ECOFLOW	08SN25L0001	26	

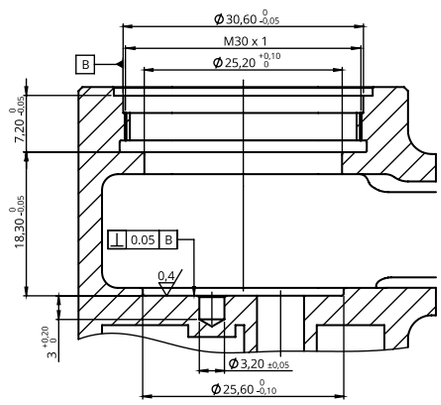


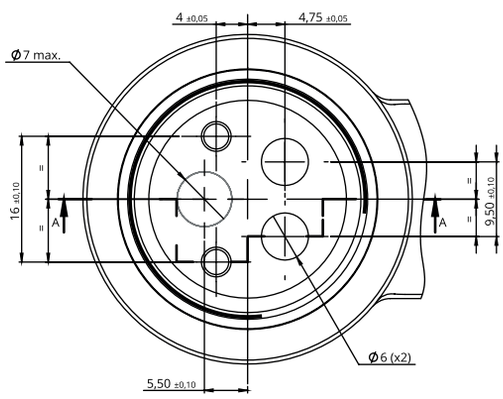
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
25 mm	EN-25 S/D	08EN25S0001	16	
	EN-25 C/D DUE	08EN25S3001	16	
	EN-25 C/D COLD	08EN25S1501	16	
	EN-25 C/D COLD DUE	08EN25S2001	16	
	EN-25 C/D COLD MIRROR	08EN25S1502	16	
	EN-25 C/D COLD MIRROR DUE	08EN25S2002	16	
	SN-25 S/D	08SN25FGO00	18	
	SN-25 S/D COLD	08SN25S1503	20	
	SN-25 S/D COLD MIRROR	08SN25S1504	22	
	SN-25 S/D ECOFLOW	08SN25S0002	26	
	GI-25 S/D	08GI25FBL00	28	
	GD-25 S/D	08GD25FAZ00	30	
	JY-25 S/D	08JY25S0002	32	



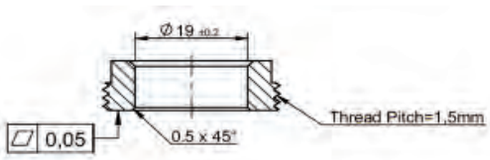
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
25 mm	GC-25 S/D	08FBL100	34	

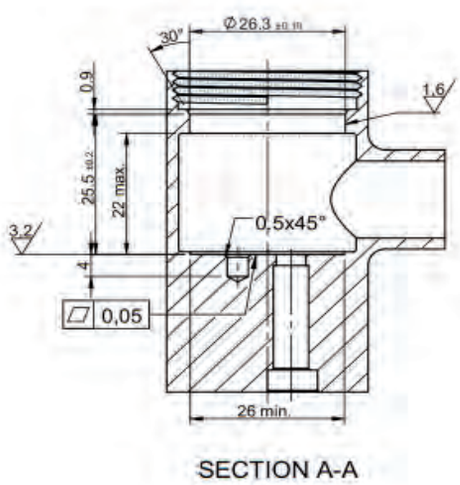




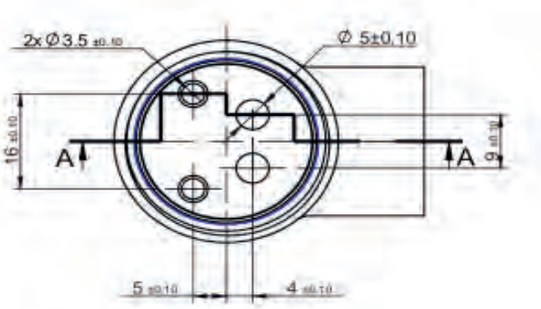


DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
26 mm	EX-26 TOP	08EX26L0001	36	





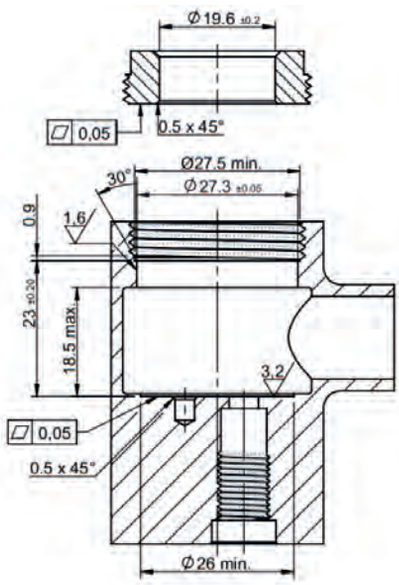
SECTION A-A

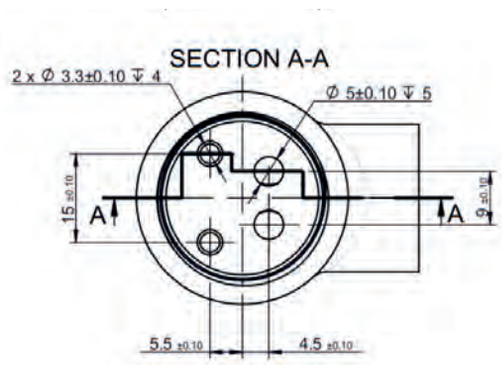


MACHINING REQUIREMENTS

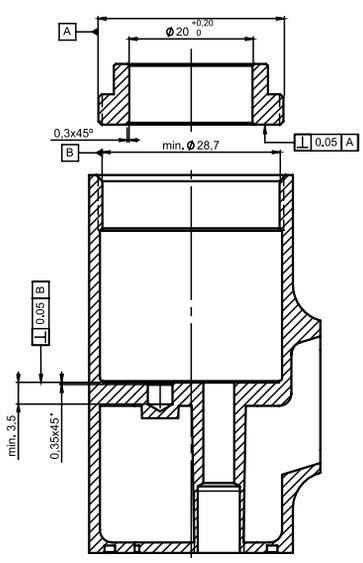
CHART OF MACHINING REQUIREMENTS

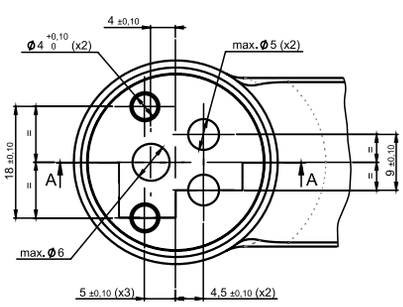
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
27 mm	EX-27		37	



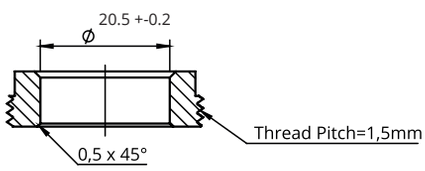


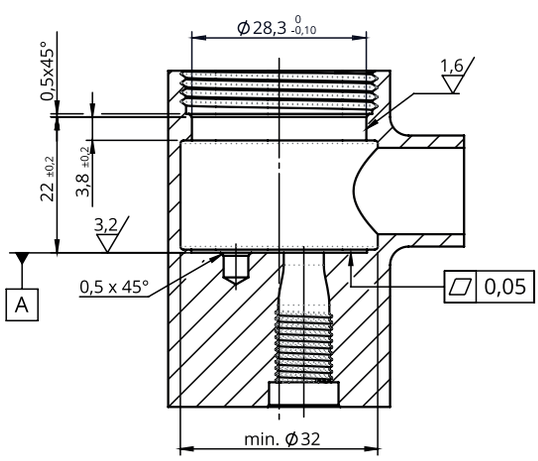
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
28 mm	SN-28	08SN28S0002	38	

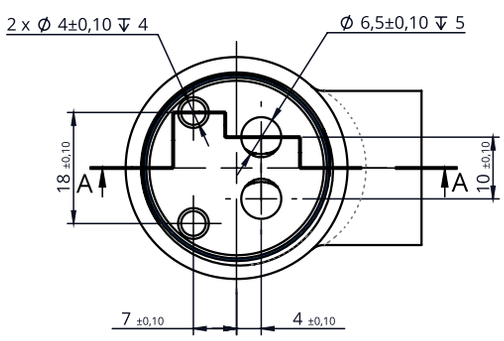




DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
28 mm	EX-28	08EX28L0501	39	
28 mm	EX-28 TOP	08EX28L0501	40	
28 mm	EX-28 TOP DUE	08EX28L3501	40	
28 mm	EX-28 TOP COLD	08EX28L2501	40	
28 mm	EX-28 TOP COLD DUE	08EX28L5001	40	
28 mm	EX-28 TOP COLD MIRROR	08EX28L2502	40	
28 mm	EX-28 TOP COLD DUE MIRRPR	08EX28L5002	40	









35MM CARTRIDGES

FOR SINGLE LEVER FAUCETS

INDEX · 35MM CARTRIDGES

TOP

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
EN		TOP C1	✓	✓	CD SD	08EN35L0023 08EN35S0023	50
		DUE C2	✓	-	CD SD	08EN35L3504 08EN35S3504	50
		HIGH FLOW	✓	-	CD SD	08EN35L0507 08EN35S0507	50
		NIEDERDRUCK	✓	-	SD	08EN35S0506	50
		COLD CH3	✓	✓	CD SD	08EN35L4003 08EN35S4003	52
		COLD DUE C 3	✓	-	CD SD	08EN35L5002 08EN35S5002	52
		MIRROR	✓	✓	CD SD	08EN35L2503 08EN35S2503	52
		COLD MIRROR DUE	✓	-	CD SD	08EN35L5003 08EN35S5003	52

ENDURA

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		ENDURA	✓	✓	CD SD	08SN35L0013 08SN35S0013	54
		DUE	✓	-	CD SD	08SN35L3001 08SN35S3001	54
		COLD	✓	✓	CD SD	08SN35L1502 08SN35S1502	56
		COLD DUE	✓	✓	CD SD	08SN35L0004 08SN35S0004	56
EN		ENDURA	✓	✓	CD SD	08EN35L0004 08EN35S0004	58
		DUE	✓	-	CD SD	08EN35L3001 08EN35S3001	58
		COLD	✓	✓	CD SD	08EN35L1503 08EN35S1503	60
		COLD MIRROR	-	-	CD SD	08EN35L1505 08EN35S1505	60
		COLD DUE	✓	✓	CD SD	08EN35L0005 08EN35S0005	60
		COLD MIRROR DUE	-	-	CD SD	08EN35L2002 08EN35S2002	60

STANDARD

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
EN		EN-35	-	-	CD SD	08EN35L0003 08EN35S0003	62
		EN-35 DUE	-	-	CD SD	08E35LAZ31 08E35FAZ31	63
SN		SN-35	-	-	CD SD	08SN35LGO00 08SN35FGO00	64
TRN		TRN-35	✓	✓	CD SD	08RN35LVE00 08RN35FVE00	65

BASIC

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
BASIC		BG BASIC	-	-	CD SD	08EN35L0011 08EN35S0011	66

ECOFLOW

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		SN-35	-	-	CD SD	08SN35L0008 08SN35S0009	68

TERMACLICK

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		TERMACLICK	-	-	CD SD	08SN35L2003 08SN35S2003	70
		MIRROR	-	-	CD SD	08SN35L2004 08SN35S2004	72

DRY FAUCET

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		BISO	-	-	2 3	08SN35B0008 08SN35B0007	74
		SISO	-	-	2 3	08SN35A0008 08SN35A0007	76
SN		SISO STD	-	-	2	08EN35A0003	78
		SISO COLD MIRROR	-	-	2	08EN35A1503	78

SPECIALS

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
REVOLVING		GI-35	✓	-	CD SD	08GI35LBE64 08GI35FBE64	80
		GI-35 L9	-	-	CD SD	08GI35LBE09 08GI35FBE09	80
		GI-35 Z20	-	-	CD SD	08GI35LBE01 08GI35FBE01	83
DIVERTERS			-	-	SD	08GD35S0019	84
		GD-35	-	-	CD SD	08GD35LBE00 08GD35FBE00	86
		GD-35 4	-	-	SD	08GD35S0001	88
JOYSTICK		JY-35	-	-	CD	08JY35L001	90

UPPER SEALING

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
UPPER SEALING		G-35	✓	✓	CD	08RG35L4602	94
		G-35 DUE	✓	✓	CD	08G35L0002	94
		G-35 COLD	✓	✓	CD	08G35L1501	96
DIRECT PLUG-IN		CC-35	✓	✓	CD	08CC35L0003	100
		CC-35 BASIC	✓	✓	CD	08CC35L0016	100
		CC-35 BASIC DUE	✓	✓	CD	08CC35L4502	102
COMPACT		EX-35	✓	✓	CD	08EX35S0001	108
		EX-35 DUE	✓	✓	CD	08EX35S3501	110

UPPER SEALING TOP

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
U. SEALING		G-35 TOP	✓	-	CD	08G35L0502	92
		G-35 TOP DUE C2	✓	-	CD	08G35I3501	92
		G-35 TOP COLD	✓	-	CD	08G35L2501	92
		G-35 TOP COLD DUE C3	✓	-	CD	08G35I5002	92
D. PLUG-IN		CC-35 TOP C1	✓	-	CD	08CC35L0501	98
		CC-35 TOP DUE C2	✓	-	CD	08cc35I3502	98
		CC-35 TOP COLD Ch3	✓	-	CD	08CC35L2501	98
		CC-35 TOP COLD DUE C3	✓	-	CD	08CC35I5002	98
COMPACT		EX-35 TOP C1	✓	✓	CD	08EX35L0504	104
		EX-35 TOP DUE C2	✓	-	CD	08EX35L3502	104
		EX-35 TOP COLD Ch3	✓	✓	CD	08EX35L2502	106
		EX-35 TOP COLD DUE C3	✓	-	CD	08EX35L5002	106

EN-35 TOP
STANDARD - C1 | DUE - C2

DESCRIPTION

EN-35 TOP is a 35mm cartridge created to be the best in class, outstanding its competitors in all fields and offering the manufacturer a perfect balanced cartridge with an extraordinary endurance: 3x standard life cycling tests. It is also available with TRN technology for water and energy saving.

FEATURES



FLOW LIMITER
Limit maximum water flow for water saving.



DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.



TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ADVANTAGES

- *HIGHER FLOWRATE[1]*

  TOP has a 5% more flowrate than the average in its market segment. It also has **3.5% more flowrate** than its closest competitor and it is substantially better than the standard cartridges.

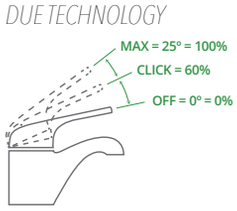
- *A PLUS IN SENSITIVITY*

  TOP has a **20% more sensitivity** than its closest competitor. It has a 12% more sensitivity than the average cartridges in the market.

- *LOWER NOISE LEVEL*

  TOP produces less than 20dB, **20% less noise** than the average in its market segment and also than its closest competitor.

- *DUE TECHNOLOGY*



  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

- *EXTRAORDINARY COMFORT*

  TOP has an **extraordinary operational comfort**, with smooth operation even in hot conditions, offering to the user a 11% more comfort than the average in its market segment.

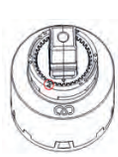
- *MECHANICAL STRENGHT*

  TOP has a **25% more mechanical strenght** than Endura.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

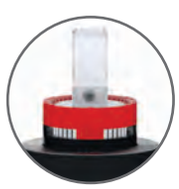

0° TURN


27° TURN

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9°), enabling an anti-scalding safety feature.

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

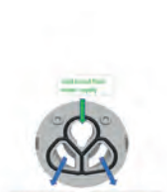
TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

- *NIEDERDRUCK*

  Niederdruck is a popular system in Germany that uses a small heater below the sink requiring a single cold water inlet and using the cartridge in a different configuration than usual.





- *COMPATIBILITY*

  Compatibility with other versions available.

EN-35 C/D

TOP



DOWNLOAD DATA SHEET

EN-35 S/D

TOP



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

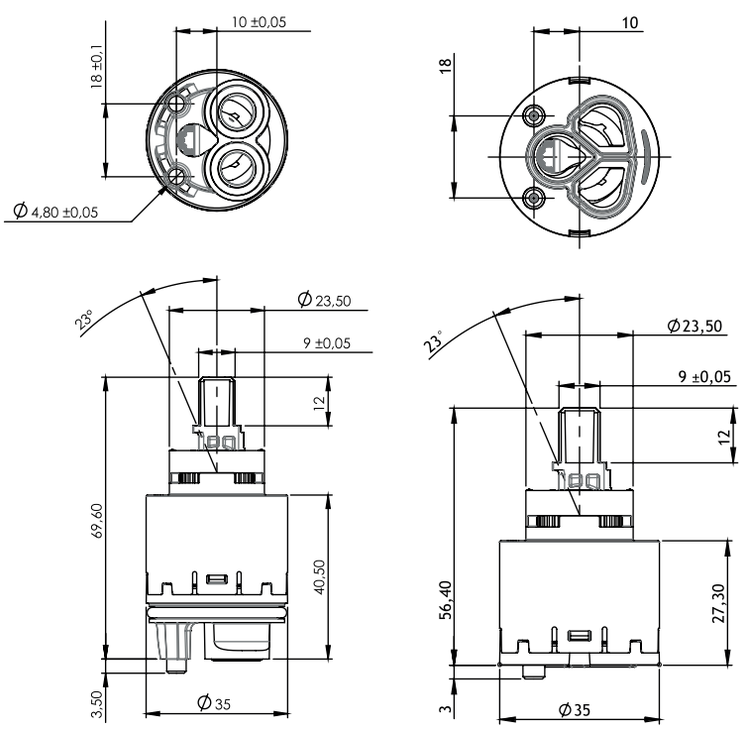


KITCHENS
Suitable for use in kitchens.

VERSIONS

VERSIONS	C/D	S/D
TOP TR C1	REF.08EN35L0023	REF. 08EN35S0023
TOP TRN C1	REF.08EN35L4505	REF. 08EN35S4505
TOP DUE TR C2	REF.08EN35L3504	REF.08EN35S3504
TOP High Flow TR (1)	REF. 08EN35L0507	REF. 08EN35S0507
TOP NIEDERDRUCK(2)	-	REF. 08EN35S0506
INDEPENDENT CEAL	REF. 08EX35L0505	

DIMENSIONS



* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle- x3 ASME	1,500,000 cycles	1,500,000 cycles
x3 EN 817	210,000 cycles	210,000 cycles
NF-077 U3	175,000 cycles	175,000 cycles
x3 GB-18145	210,000 cycles	210,000 cycles
Sensitivity NF-077	>12 mm	>12 mm
Fidelity NF-077	<5º	<5º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.2-0.4 Nm	0.2-0.4 Nm
Turn left-right	0.2-0.4 Nm	0.2-0.4 Nm

Noise level	C/D	S/D
Noise level (A2-NF077)	<20 dB (A)	<20 dB (A)

Flow rate (free flow)	C/D	S/D
at 3 bar	28 l/min	27.4 l/min
at 3 bar (high flow)(1)	30 l/min	29.7 l/min
at 3 bar (niederdruck)(2)	-	13.3 l/min

-Hammer test **NF-077**.
-High temp. pressure test **AS-NZS**

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.
(1) High Flow version; (2) Niederdruck

EN-35 TOP
COLD Ch3| COLD DUE C3 | COLD MIRROR

DESCRIPTION

EN-35 TOP is a 35mm cartridge created to be the best in class, outstanding its competitors in all fields and offering the manufacturer a perfect balanced cartridge with an extraordinary endurance: 3x standard life cycling tests. It is also available with TRN and COLD technologies for water and energy saving.

FEATURES



FLOW LIMITER
Limit maximum water flow for water saving.



COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.



TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.



DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

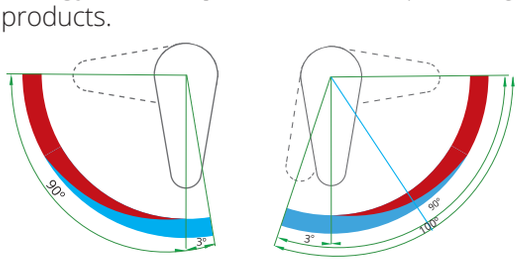
ADVANTAGES

ADDITIONAL FEATURES

EN-35 TOP Cold has the same advantages than EN-35 Top, but with COLD technology as an additional feature.

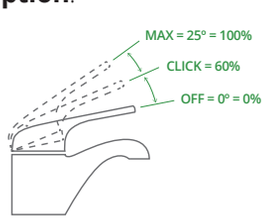
COLD & MIRROR TECHNOLOGY

The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



DUE TECHNOLOGY

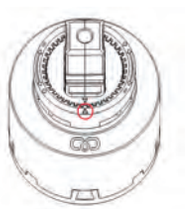
Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



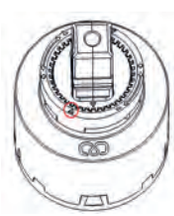
VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9º), enabling an anti-scalding safety feature.



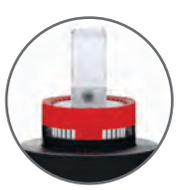
0º TURN



27º TURN

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

EN-35 C/D

TOP



DOWNLOAD DATA SHEET

EN-35 S/D

TOP



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

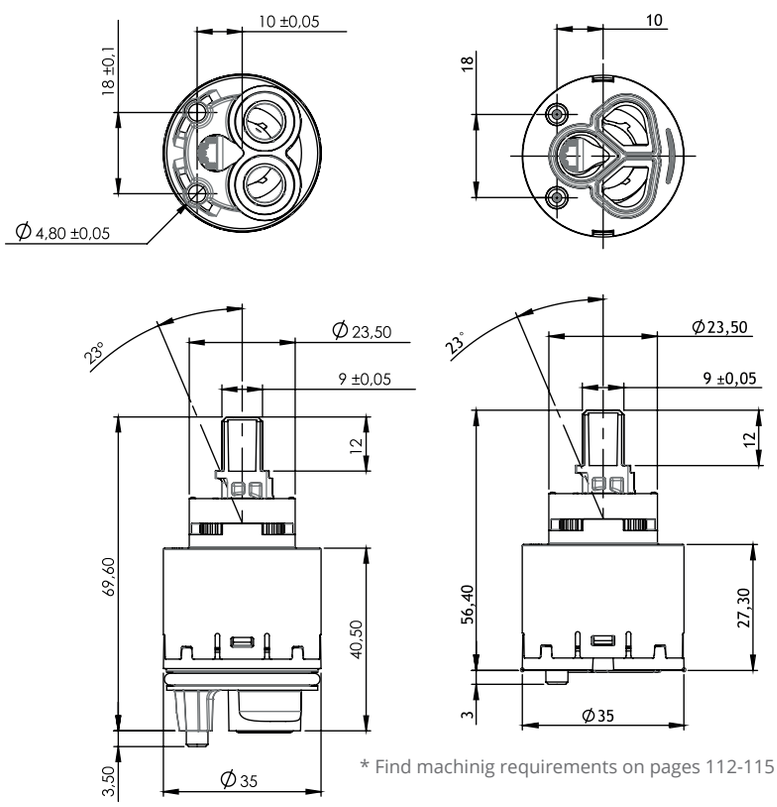


KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	C/D	S/D
TOP COLD TR Ch3	08EN35L2502	08EN35S2502
TOP COLD TRN Ch3	08EN35L4003	08EN35S4003
TOP COLD DUE C3	08EN35L5002	08EN35S5002
TOP COLD MIRROR TR	08EN35L2503	08EN35S2503
TOP COLD MIRROR TRN	08EN35L4506	08EN35S4506
TOP COLD MIRROR TR DUE	08EN35L5003	08EN35S5003

DIMENSIONS



* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23°	23°
Rotation angle	93°	93°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle- x3 ASME x3 EN 817 NF-077 U3 x3 GB-18145	1,500,000 cycles 210,000 cycles 175,000 cycles 210,000 cycles	1,500,000 cycles 210,000 cycles 175,000 cycles 210,000 cycles
Sensitivity NF-077	>12 mm	>12 mm
Fidelity NF-077	<5°	<5°
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.2 -0.4 Nm	0.2 -0.4 Nm
Turn left-right	0.2 -0.4 Nm	0.2 -0.4 Nm

Noise level	C/D	S/D
Noise level (A2-NF077)	<20 dB (A)	<20 dB (A)

Flow rate (free flow)	C/D	S/D
at 3 bar	28 l/min	27.4 l/min

-Hammer test **NF-077**.
-High temp. pressure test **AS-NZS**

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-35 ENDURA
STANDARD | DUE

DESCRIPTION

35mm cartridge with an extraordinary endurance: 2x standard life cycling tests, thanks to SedalOX® ceramics reinforced with our exclusive Nano Shelter Technology and a complete set of technologies. It also includes SN system, which provides the cartridge with a unique smoothness of operation and TRN technology for water and energy saving.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

FLOW LIMITER
Limit maximum water flow for water saving.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

ADVANTAGES

SN TECHNOLOGY
Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).

HIGH-PRECISION COMPONENTS
High precision components and excellent performing materials.

A BUNCH OF TECHNOLOGY
A complete set of high tech solutions:
- Glide Feel Technology for a perfectly smooth operation
- Ceramic Nano Shelter Technology for extra durability,
- Noise Cancelling Technology
- AccuDue Technology to save water

DOUBLE LIFE-CYCLE
The new ENDURA features SedalOX™ 96, which allows an extended life cycling. The result is more than double ASME and EN standard cycles in life tests.

GREAT RANGE. GREATER POSSIBILITIES
The new ENDURA 35 range provides the manufacturer with 18 different options to develop its products and more than 100 potential combinations.

VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)
Endura cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)
TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

DUE TECHNOLOGY
Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

SN-35 C/D
ENDURA

REF.08SN35L0013



DOWNLOAD DATA SHEET

OPTIONAL: Improved comfort & durability version for extreme conditions

SN-35 S/D
ENDURA

REF.08SN35S0013



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

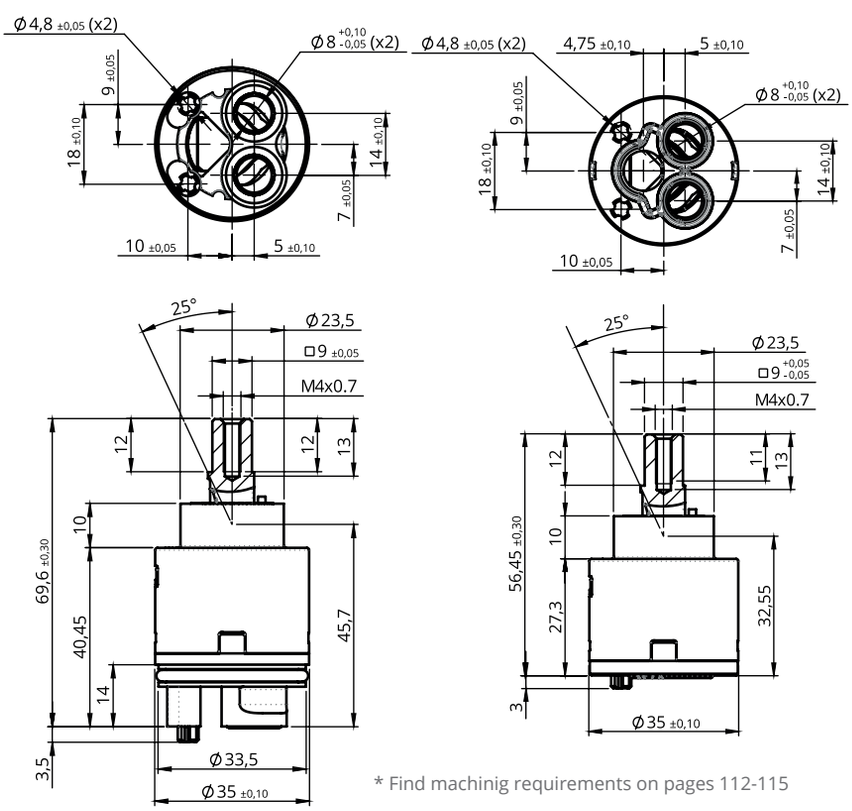


KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	C/D	S/D
Endura TRN	REF.08SN35L4501	REF.08SN35S4501
Endura TR	REF.08SN35L5401	REF.08SN35S5401
Endura DUE	REF.08SN35L3001	REF.08SN35S3001
Endura DUE TRN	on demand	on demand
Endura DUE TR	REF.08SN35L5701	REF.08SN35L5401

DIMENSIONS



* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

* Ready for NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle-EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>12 mm	>12 mm
Fidelity	<2°	<2°
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4 C - <6°C
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.20-0.35 Nm	0.20-0.35 Nm
Turn left-right	0.15-0.30 Nm	0.15-0.30 Nm

Noise level	C/D	S/D
Noise level	20 ± 2 dB	20 ± 2 dB

Flow rate (free flow)	C/D	S/D
at 0.2 bar	7.8 l/min	7.4 l/min
at 1 bar	17.1 l/min	16.4 l/min
at 3 bar	29.5 l/min	28.2 l/min
at 5 bar	38 l/min	36.4 l/min

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-35 ENDURA
COLD | COLD DUE

DESCRIPTION

35mm cartridge with an extraordinary endurance: 2x standard life cycling tests, thanks to SedalOX® ceramics reinforced with our exclusive Nano Shelter Technology and a complete set of technologies. It also includes SN system, which provides the cartridge with a unique smoothness of operation, TRN technology for maximum water saving and control. This cartridge opens in cold position, with an open angle of 20° to the right and 90° to the left.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

FLOW LIMITER
Limit maximum water flow for water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

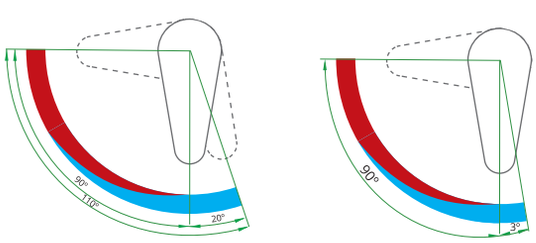
ADVANTAGES

ADDITIONAL FEATURES

SN-35 Endura Cold C110 has the same advantages than SN-35 Endura, but with cold technology as an additional feature.

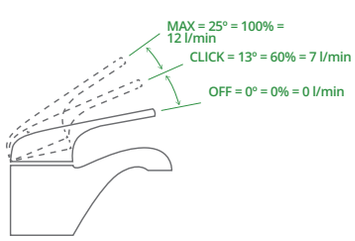
COLD TECHNOLOGY

The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



DUE TECHNOLOGY

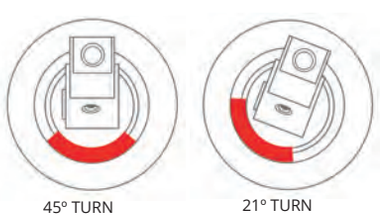
Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

Endura cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.



position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



SN-35 C/D

ENDURA COLD

REF.08SN35L1502



DOWNLOAD DATA SHEET

SN-35 S/D

ENDURA COLD

REF.08SN35S1502



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

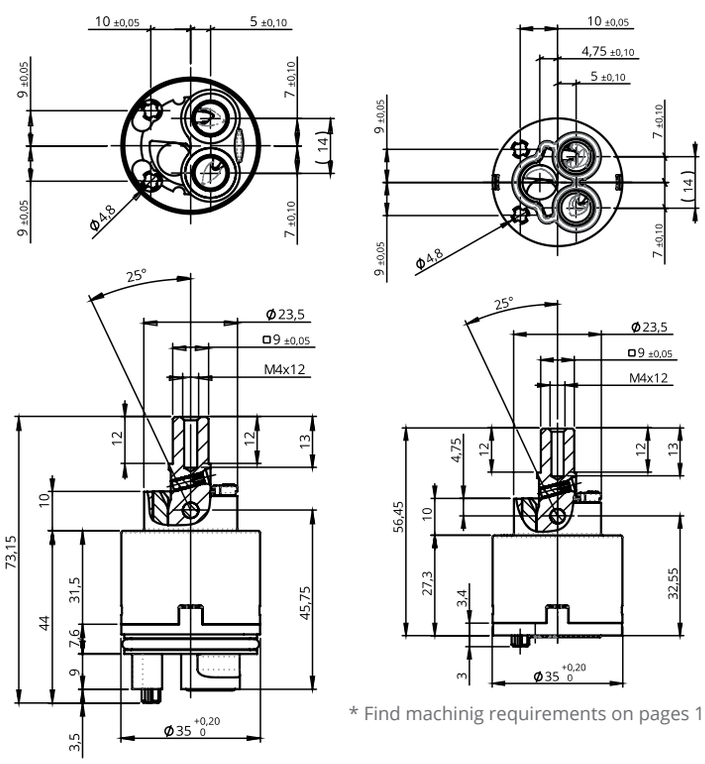


KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	C/D	S/D
COLD TR	REF.08SN35L2501	REF.08SN35S2501
COLD TRN	REF.08SN35L4001	REF.08SN35S4001
COLD Version 93º Rotation Angle	REF.08SN35L1504	REF.08SN35S1504
COLD DUE	REF.08SN35L0004	REF.08SN35S0004
COLD DUE TR	REF.08SN35L5001	REF.08SN35S5001
COLD DUE TRN	REF.08SN35L5501	REF.08SN35S5505

DIMENSIONS



* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

* Ready for NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	110º/ 93º	110º/ 93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>12 mm	>12 mm
Fidelity	<2º	<2º
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.35 Nm	0.20-0.35 Nm
Turn left-right	0.15-0.30 Nm	0.15-0.30 Nm

Noise level	C/D	S/D
Noise level	20 ± 2 dB	18.7 ± 2 dB

Flow rate (free flow)	C/D	S/D
at 0.5 bar	5.4 l/min	5.4 l/min
at 1 bar	7.8 l/min	7.7 l/min
at 3 bar	13.6 l/min	13.5 l/min
at 5 bar	17.1 l/min	17.6 l/min

FLOW FIGURES AT COLD POSITION

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

EN-35 ENDURA
STANDARD | DUE

DESCRIPTION

35mm cartridge with an extraordinary endurance: 2x standard life cycling tests, thanks to SedalOX® ceramics reinforced with our exclusive Nano Shelter Technology and a complete set of technologies. It also includes TR and TRN versions for water and energy saving.

FEATURES

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

FLOW LIMITER
Limit maximum water flow for water saving.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

ADVANTAGES

- *HIGH-PRECISION COMPONENTS*
  High precision components and excellent performing materials.

- *A BUNCH OF TECHNOLOGY*
  A complete set of high tech solutions:
  - Glide Feel Technology for a perfectly smooth operation
  - Ceramic Nano Shelter Technology for extra durability,
  - Noise Cancelling Technology
  - AccuDue Technology to save water

- *DOUBLE LIFE-CYCLE*
  The new ENDURA features SedalOX™ 96, which allows an extended life cycling. The result is more than double ASME and EN standard cycles in life tests.

- *GREAT RANGE. GREATER POSSIBILITIES*
  The new ENDURA 35 range provides the manufacturer with 18 different options to develop its products and more than 100 potential combinations.

- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

Endura cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



EN-35 C/D

ENDURA

REF.08EN35L0004



DOWNLOAD DATA SHEET

EN-35 S/D

ENDURA

REF.08EN35S0004



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

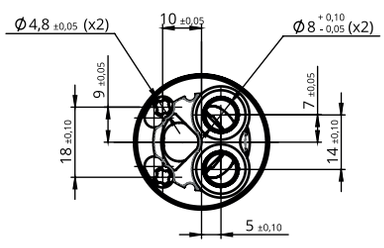
KTW WRAS AS/NZS NSF ACS NF

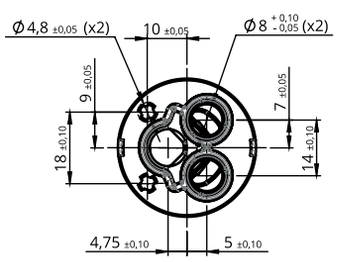
* Ready for NF

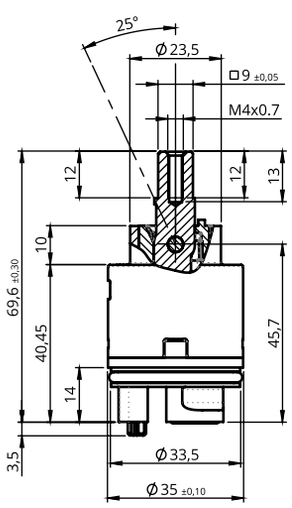
OTHER VERSIONS

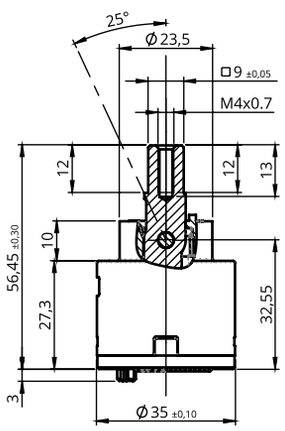
	C/D	S/D
Endura TR	REF.08EN35L5401	REF.08EN35S5401
Endura TRN	REF.08EN35L4501	REF.08EN35S4501
Endura DUE	REF.08EN35L3001	REF.08EN35S3001
Endura DUE TR	REF.08EN35L5701	REF.08EN35S5701
Endura DUE TRN	on demand	on demand

DIMENSIONS









* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>12 mm	>12 mm
Fidelity	<2º	<2º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4 C - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.35 Nm	0.20-0.35 Nm
Turn left-right	0.20-0.35 Nm	0.20-0.35 Nm

Noise level	C/D	S/D
Noise level	20 ± 2 dB	20 ± 2 dB

Flow rate (free flow)	C/D	S/D
at 0.2 bar	7.4 l/min	7 l/min
at 1 bar	16 l/min	15.4 l/min
at 3 bar	27.7 l/min	26.1 l/min
at 5 bar	36 l/min	33.9 l/min

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

EN-35 ENDURA

COLD | COLD MIRROR | COLD DUE | COLD MIRROR DUE

DESCRIPTION

35mm cartridge with an extraordinary endurance: 2x standard life cycling tests, thanks to SedalOX® ceramics reinforced with our exclusive Nano Shelter Technology and a complete set of technologies. It also includes TRN technology for maximum water saving and control. This cartridge opens in cold position, with an open angle of 20º to the right and 90º to the left.

FEATURES



COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.



TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



FLOW LIMITER
Limit maximum water flow for water saving.



MIRROR
Movement from right to left to obtain hot water.



DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

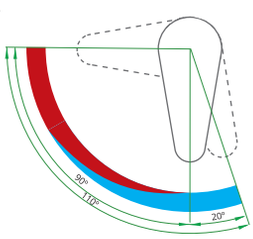
ADVANTAGES

- *ADDITIONAL FEATURES*

  EN-35 Endura Cold C110 has the same advantages than EN-35 Endura, but with cold technology as an additional feature.

- *COLD TECHNOLOGY*

  The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



- *SPECIALLY DESIGNED FOR KITCHEN APPLICATIONS*

  Mirror version has been specifically designed for kitchen applications, avoiding the inconvenience of the handle touching the wall.

- *DUE TECHNOLOGY*

  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

Endura cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.



45º TURN



21º TURN

position	15º l/min	65º l/min	ºC 3bar
1	16	4	26º
2	12,5	7,5	35º
3	9	11	43º
4	5	15	50º
5	2	18	56º
6	1	19	61º
7	0	20	65º

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

EN-35 C/D

ENDURA COLD

REF.08EN35L1503



DOWNLOAD DATA SHEET

EN-35 S/D

ENDURA COLD

REF.08EN35S1503



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

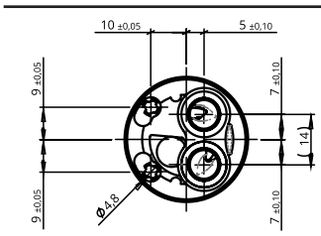


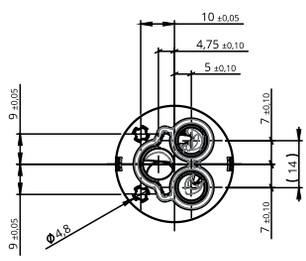
KITCHENS
Suitable for use in kitchens.

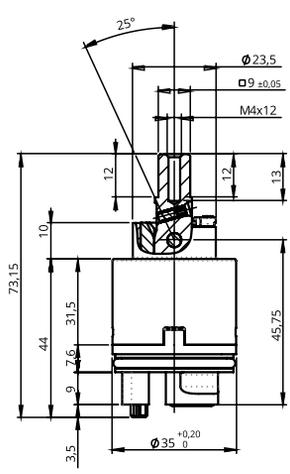
OTHER VERSIONS

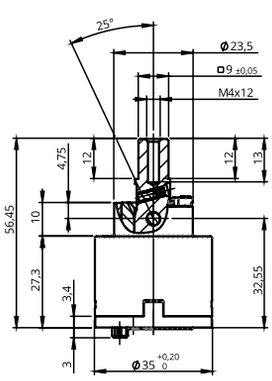
	C/D	S/D
Endura COLD TR	REF.08EN35L2501	REF.08EN35S2501
Endura COLD TRN	REF.08EN35L4001	REF.08EN35S4001
Endura COLD MIRROR	REF.08EN35L1505	REF.08EN35S1505
Endura COLD DUE	REF.08EN35L0005	REF.08EN35S0005
Endura COLD DUE TR	REF.08EN35L5001	REF.08EN35S5001
Endura COLD DUE TRN	REF.08EN35L5501	REF.08EN35S5501
Endura COLD MIRROR DUE	REF.08EN35L2002	REF.08EN35S2002

DIMENSIONS









* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

* Ready for NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	110º ± 2	110º ± 2
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	55-60 bar	55-60 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	12º-14º angle	12º-14º angle
Fidelity	<1º	<1º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<0.5ºC - <1.2ºC	<0.5ºC - <1.2ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	3.4 l/min	3 l/min
at 1 bar	8 l/min	6.7 l/min
at 3 bar	13.8 l/min	11.8 l/min
at 5 bar	18.5 l/min	15.3 l/min

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

STANDARD
CARTRIDGES

EN-35 C/D

REF.08EN35L0003



DOWNLOAD DATA SHEET

EN-35 S/D

REF. 08EN35S0003



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm cartridge.

ADVANTAGES

The classic standard cartridge of Sedal has shown its good performance thorough the years.

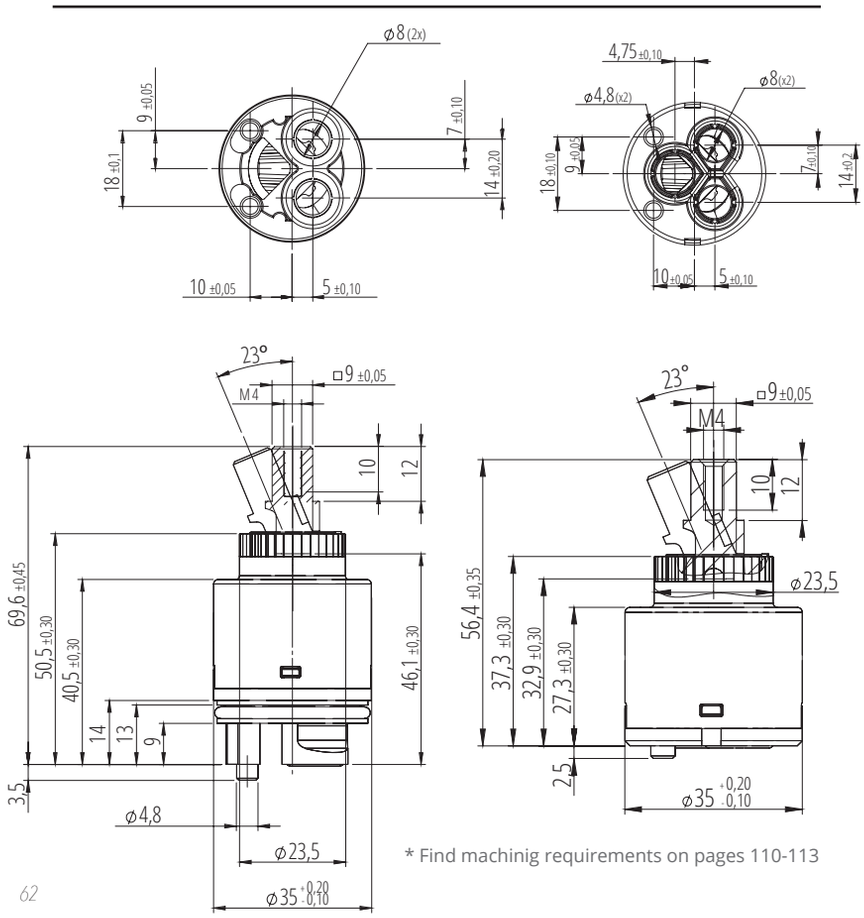
RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 110-113

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 ASME 112.18.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	>12 mm	>12 mm
Fidelity	<3º	<3º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<2ºC - <4.5ºC	<2ºC - <4.5ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.25-0.40 Nm	0.25-0.40 Nm
Turn left-right	0.15-0.40 Nm	0.15-0.40 Nm

Noise level	C/D	S/D
Noise level	24 ± 2 dB	26 ± 2 dB
Flow rate (free flow)	**C/D**	**S/D**
at 0.2 bar	6.1 l/min	5.8 l/min
at 1 bar	13.1 l/min	13.4 l/min
at 3 bar	22.3 l/min	23.1 l/min
at 5 bar	29 l/min	29.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

EN-35 C/D

DUE

REF.08E35LAZ30



DOWNLOAD DATA SHEET

EN-35 S/D

DUE

REF. 08E35FAZ30



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm cartridge.

ADVANTAGES

The classic standard cartridge of Sedal has shown its good performance thorough the years. Due technology for water saving.

RECOMMENDED APPLICATIONS

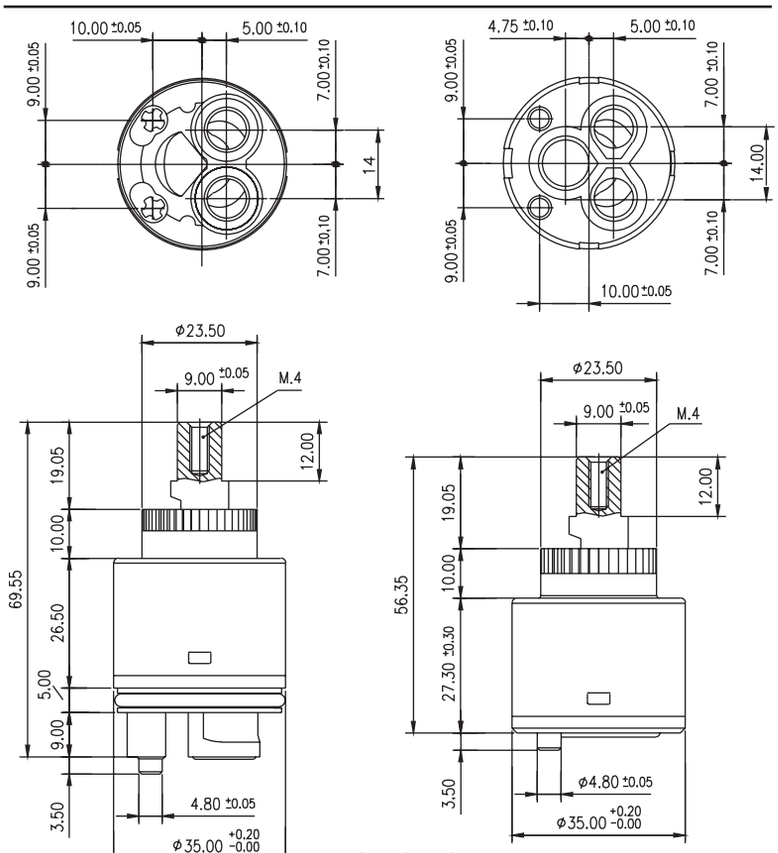


CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

* Ready for NF

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>25 bar	>25 bar
Life cycle - EN 817 ASME 112.18.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	10º-11º	10º-11º
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.25-0.40 Nm	0.25-0.40 Nm
Turn left-right	0.15-0.40 Nm	0.15-0.40 Nm

Noise level	C/D	S/D
Noise level	24 ± 2 dB	26 ± 2 dB

Flow rate (free flow)	C/D	S/D
at 0.2 bar	6.1 l/min	5.8 l/min
at 1 bar	13.1 l/min	13.4 l/min
at 3 bar	22.3 l/min	23.1 l/min
at 5 bar	29 l/min	29.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

STANDARD
CARTRIDGES

SN-35 C/D

REF.08SN35LG000



DOWNLOAD DATA SHEET

SN-35 S/D

REF.08SN35FG000



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm cartridge.

ADVANTAGES

The classic standard cartridge with SN technology. Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).

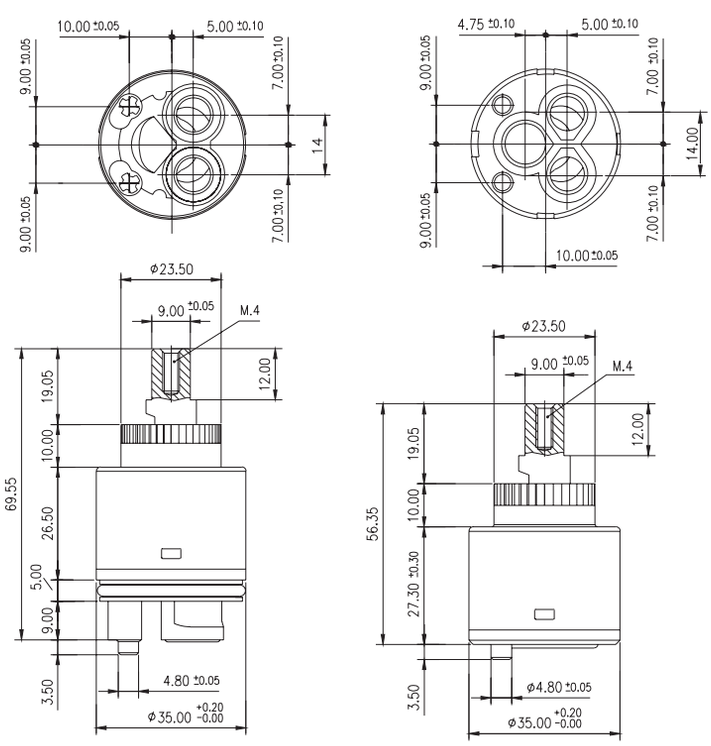
RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 110-113

TECHNICAL SPECIFICATIONS

General	CD	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	55-60 bar	50-60 bar
Life cycle - EN 817 ASME 118.12.1 M x2 GB18145	175,000 cycles 500,000 cycles 140,000 cycles	175,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	11°-14° angle	13°-15° angle
Max. hot water	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.20-0.25 Nm	0.20-0.30 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.9 l/min	8.7 l/min
at 1 bar	13.5 l/min	12.2 l/min
at 3 bar	23.4 l/min	21 l/min
at 5 bar	30.1 l/min	26.9 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

TRN-35 C/D

REF.08RN35LVE01



DOWNLOAD DATA SHEET

TRN-35 S/D

REF.08RN35FVE01



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm cartridge.

ADVANTAGES

Sedal standard cartridge includes flow and temperature limiters to save water and energy, offering an environmental sustainability feature.

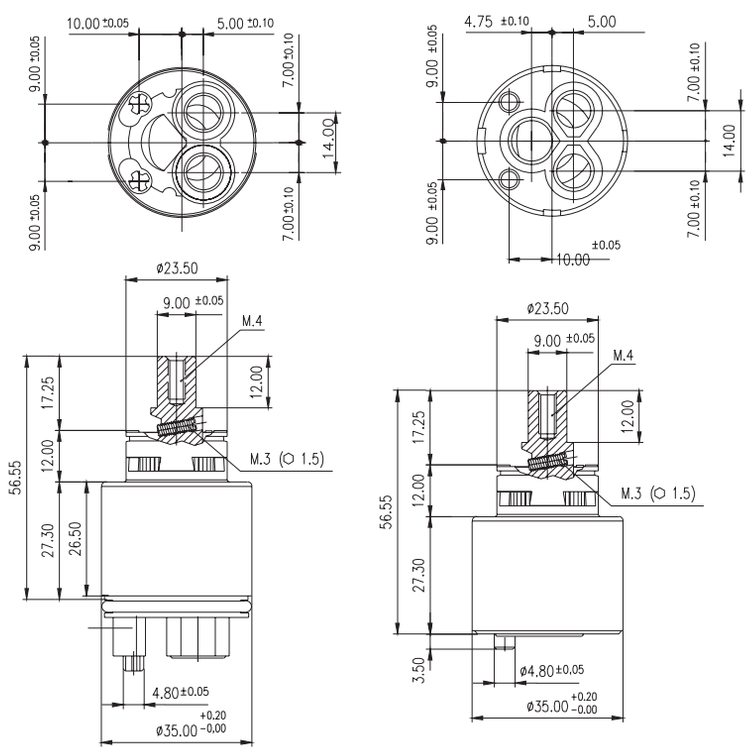
RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	28-35 bar	28-35 bar
Life cycle - EN 817 / ASME 112.18.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	10º-11º angle	8.9º -9.2º angle
Max. hot water	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.22-0.25 Nm	0.21-0.25 Nm
Turn left-right	0.24-0.33 Nm	0.22-0.31 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	10.7 l/min	9.2 l/min
at 1 bar	14.9 l/min	12.9 l/min
at 3 bar	25.3 l/min	22.3 l/min
at 5 bar	33 l/min	28.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

BASIC
CARTRIDGES

DESCRIPTION

35mm basic cartridge with ACS certification and available with and without distributor. This Sedal valve is specially designed for washbasins, bath-showers and kitchen faucets.

ADVANTAGES

Entry-level product with Sedal high-reliability.

EN-35 C/D

BG BASIC

REF.08EN35L0011



DOWNLOAD DATA SHEET

EN-35 S/D

BG BASIC

REF. 08EN35S0011



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

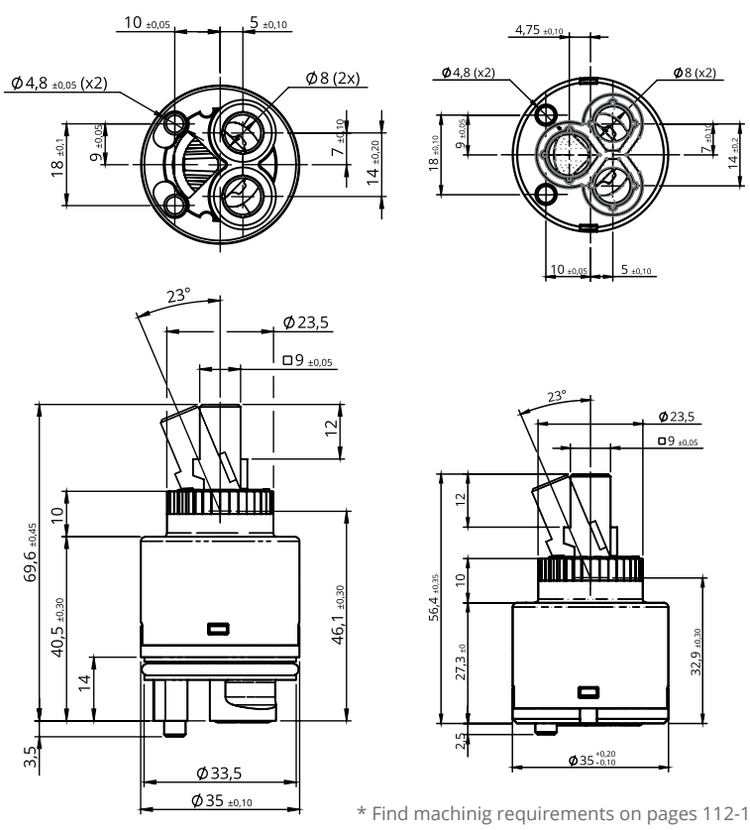


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	35 bar	35 bar
Life cycle - EN 817 ASME 118.12.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	12º-14º angle	12º-14º angle
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<1.2ºC - <1.2ºC	<1.1ºC - <1.4ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.15-0.40 Nm	0.15-0.40 Nm
Turn left-right	0.15-0.40 Nm	0.15-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.3 l/min	8.8 l/min
at 1 bar	13.1 l/min	12.6 l/min
at 3 bar	22.3 l/min	22.1 l/min
at 5 bar	29 l/min	28 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-35
ECOFLOW

DESCRIPTION

Ecoflow cartridges have been designed for applications where a low flow is required to fulfill the latest standards and market trends. The low flow that a manufacturer would normally reach with the use of restrictors, can reached by using the Ecoflow cartridge with an aireator, suppressing the negative effects of the current solutions. The Ecoflow 35 is specifically designed to deliver 7.8 liters @3 bar without using restrictors. It also includes a clutch for a perfect operational feel and a high maximum torque resistance to withstand harsh environments.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

REGULATIONS
This cartridge is optimized according to WaterSense and Water Label requirements.

RESTRICTOR
The cartridge includes itself a restrictor that reduces the flow rate to save water.

ADVANTAGES

- *SN TECHNOLOGY*
  Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life)

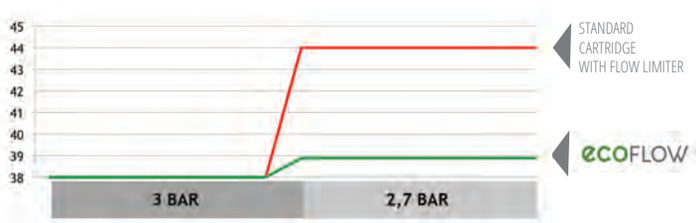
- *IMPROVED FLOW-RATE VS HANDLE STROKE*
  Existing solutions offer a very limited opening stroke to regulate the flow. With ECOFLOW, the entire stroke is available.



STANDARD CARTRIDGE
MAX. FLOW: 6/L MIN WITH LIMITER

ECOFLOW CARTRIDGE
MAX. FLOW: 6/L MIN WITH ECOFLOW

- *REDUCES TEMPERATURE FLUCTUATION*
  When using a flow limiter in the spout combined with standard cartridges, the user can experience strong changes in water temperature. The new ECOFLOW Tech valves provide an excellent temperature stability in front of pressure variations in cold and hot water supply lines at low flow rates.



VARIATION OF +0,3 BAR IN HOT WATER INLET

- *THE USAGE OF A RESTRICTOR IS OPTIONAL*
  The flow rate reduction is carried out at the right place. With ECOFLOW the usage of a limiter or restrictor is optional.

SN-35 C/D

ECOFLOW

REF.08SN35L0008



DOWNLOAD DATA SHEET

SN-35 S/D

ECOFLOW

REF.08SN35S0009



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



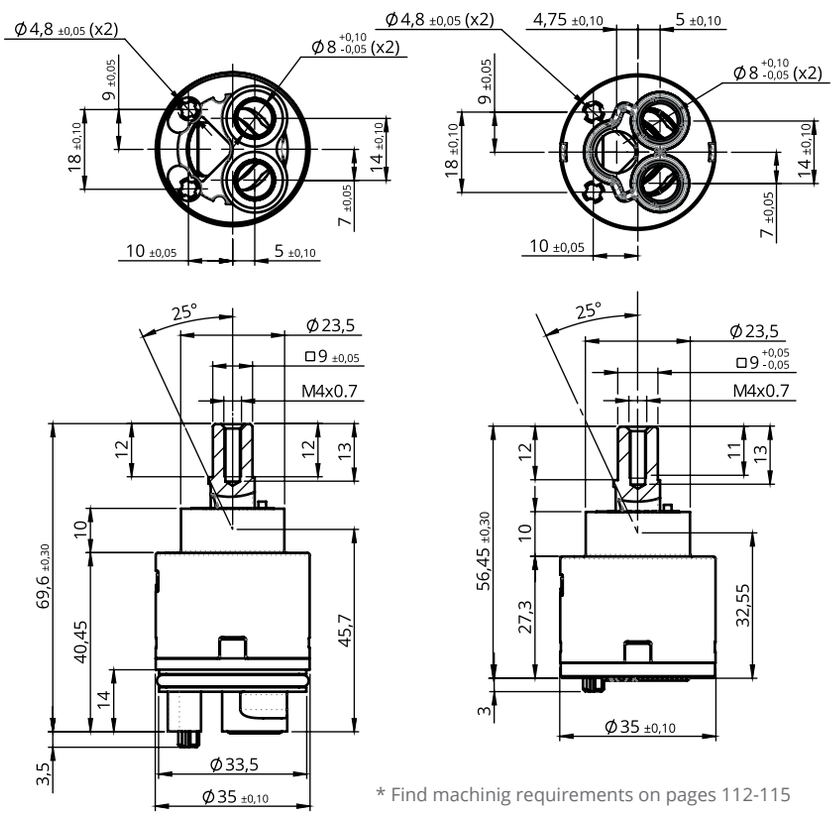
KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

* Optimised for WaterSense and WaterLabel

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	7-8Nm	7-8Nm
Opening angle	25°	25°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 ASME 112.18.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	>10-12 mm	>10-12 mm
Fidelity	<3°	<3°
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C
Max. hot water*	90 °C	90 °C
Operation Torque	**C/D**	**S/D**
Open-close	0.20-0.35 Nm	0.20-0.35 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	2.3 l/min	2.3 l/min
at 1 bar	5.3 l/min	5.3 l/min
at 3 bar	9 l/min	9 l/min
at 5 bar	11.5 l/min	11.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

TERMACLICK

DESCRIPTION

Thanks to a mid-stroke click at the temperature comfort point, the new termaclick cartridge prevents waste of energy as the user enjoys a unique smoothness of operation. This valve, which includes cold start, is available in 35mm and mirrored for kitchen application.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

TERMACLICK
Mid-way click at comfort temperature and energy saving feature thanks to a cold opening. Left to hot.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

ADVANTAGES

- *ENERGY SAVING*

  Termaclick cartridge helps saving energy thanks to:
  - Cold start opening, which flows cold water when the lever is centered.
  - Mid-way stroke that clicks at the theoretical point of 38°C water outlet, making the user aware of the saving point.

- *SAFETY CLICK AT COMFORT TEMPERATURE*

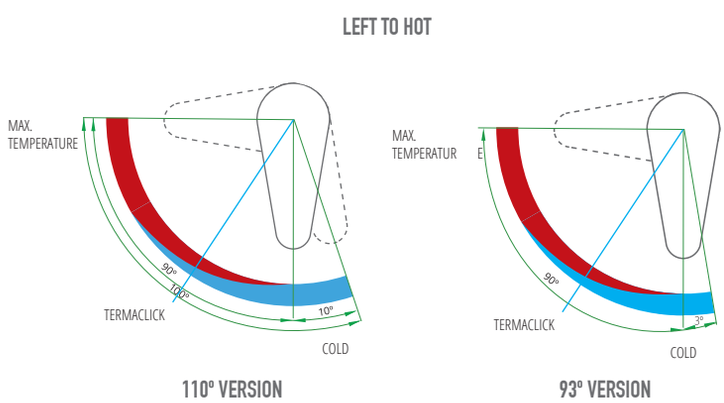
  The user detects the click point and enjoys comfort temperature of water without risks at the safety temperature. This feature allows completely safe usage for children.

- *SEDALOX CERAMIC SET*

  Termaclick incorporates SedalOX ceramics for a superior endurance.

- *DIFFERENT VERSIONS AVAILABLE*

  Termaclick is a 35mm cartridge, comprising high and low base versions. The manufacturer can also choose the rotation angle (110° or 90°).



- *GLIDE FEEL TECHNOLOGY*

  This technology ensures the user a unique smoothness of operation.

SN-35 C/D
TERMACLICK

REF.08SN35L2003



DOWNLOAD DATA SHEET

SN-35 S/D
TERMACLICK

REF.08SN35S2003



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

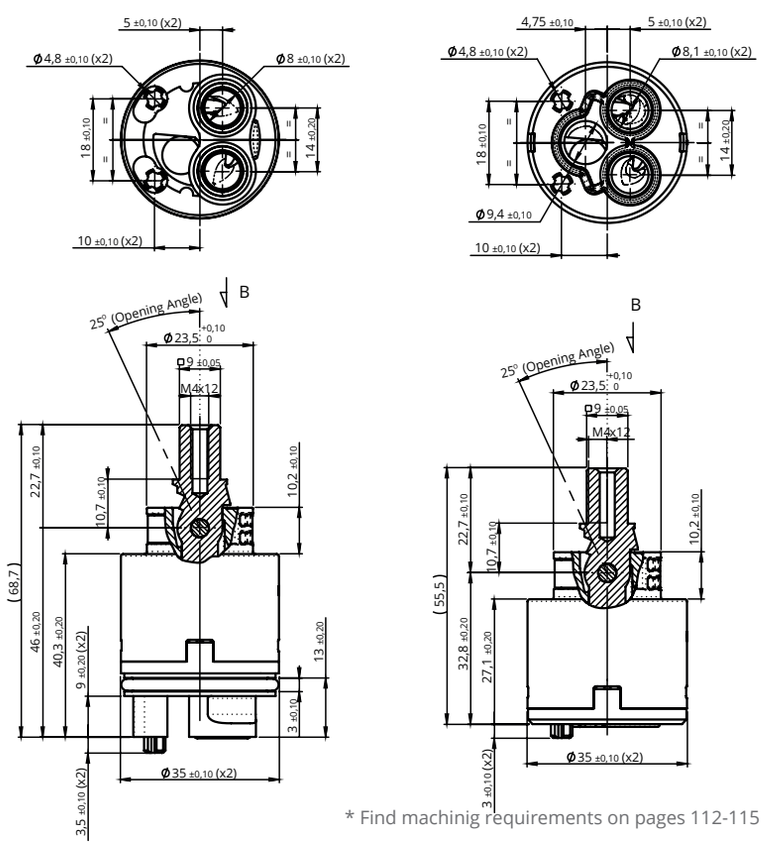
OTHER VERSIONS

	C/D	S/D
Rotation angle at 93º	REF.08SN35L2005	REF.08SN35S2005

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º/ 93º	100º/ 93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - x2 EN 817 x2 GB18154	140,000 cycles 140,000 cycles	140,000 cycles 140,000 cycles
Sensitivity (r=45mm)	>10 mm	>10 mm
Fidelity	<5ºC	<5ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.15-0.35 Nm	0.15-0.35 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	6.4 l/min	5.6 l/min
at 1 bar	13.3 l/min	12.2 l/min
at 3 bar	24.9 l/min	21.4 l/min
at 5 bar	32.3 l/min	27.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

TERMACLICK
MIRROR

DESCRIPTION

Thanks to a mid-stroke click at the temperature comfort point, the new termaclick cartridge prevents waste of energy as the user enjoys a unique smoothness of operation. This valve, which includes cold start, is available in 35mm and mirrored for kitchen application.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

TERMACLICK MIRROR
Mid-way click at comfort temperature and energy saving feature thanks to a cold opening. Right to hot.

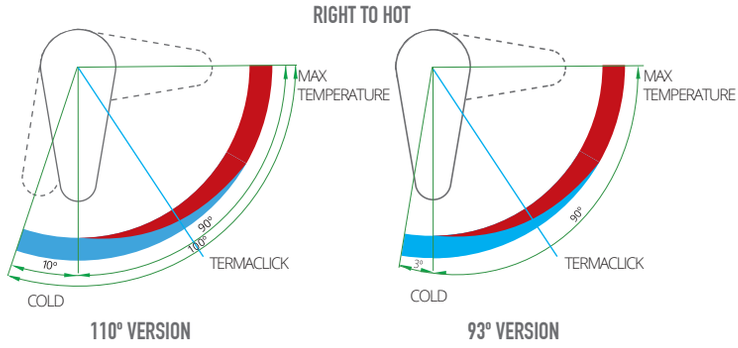
COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

ADVANTAGES

- *ADDITIONAL FEATURES*
  SN-35 Termaclick mirror has the same advantages than Termaclick, but with mirror base as an additional feature.

- *SPECIALLY DESIGNED FOR KITCHEN APPLICATIONS*
  Mirror version has been specifically designed for kitchen applications, avoiding the inconvenience of the handle touching the wall.







SN-35 C/D

TERMACLICK MIRROR

REF. 08SN35L2004



DOWNLOAD DATA SHEET

SN-35 S/D

TERMACLICK MIRROR

REF.08SN35S2004



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

KITCHENS

Specially designed for washbasins.

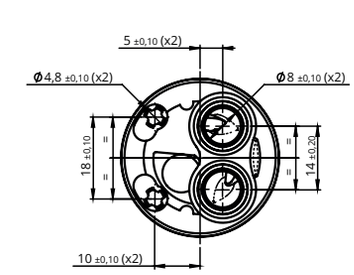
CERTIFICATIONS

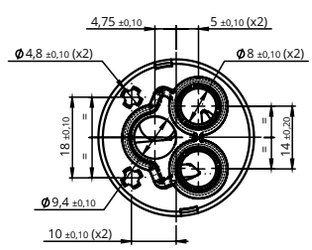
KTW WRAS AS/NZS NSF ACS

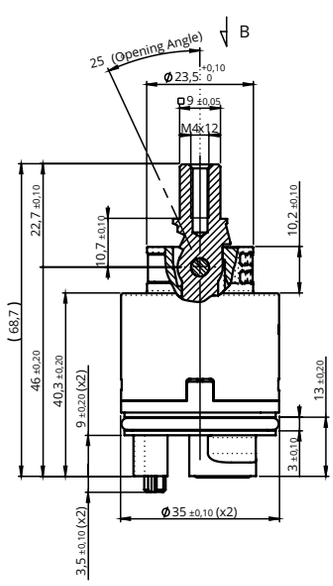
OTHER VERSIONS

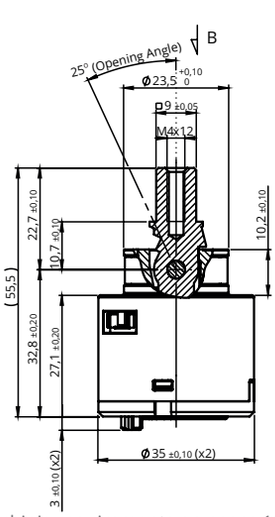
	C/D	S/D
Rotation angle at 93º	REF.08SN35L2006	REF.08SN35S2006

DIMENSIONS









* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º/ 93º	100º/ 93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - x2 EN 817 x2 GB18154	140,000 cycles 140,000 cycles	140,000 cycles 140,000 cycles
Sensitivity (r=45mm)	>10 mm	>10 mm
Fidelity	<5ºC	<5ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.15-0.35 Nm	0.15-0.35 Nm
Turn left-right	0.15-0.35 Nm	0.15-0.35 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	6.4 l/min	5.6 l/min
at 1 bar	13.3 l/min	12.2 l/min
at 3 bar	24.9 l/min	21.4 l/min
at 5 bar	32.3 l/min	27.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DRY FAUCET
BISO CARTRIDGES

DESCRIPTION

Dry faucet range is an optimal solution for lead-free policy products, as there is no contact between the water and the metal of the body. It helps to save costs because faucets bodies and spouts can be manufactured with different materials while allowing brass weight reduction in the faucet body.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

DRY FAUCET
Thanks to its design, the water is never in contact with the metal of the body faucet.

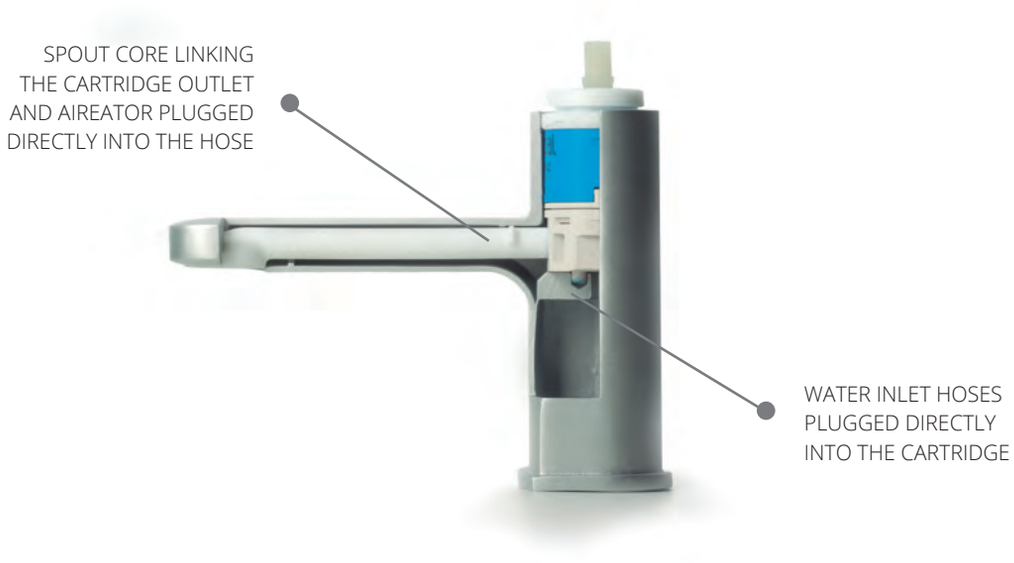
DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.

LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *LIGHTER BODY*
  BISO cartridge allows lighter body design and easier casting.

- *LEAD-FREE*
  Optimal solution for lead-free policy products, because there is no contact between water and metal.



- *DIFFERENT OPTIONS AVAILABLE*
  Different configurations as it is part of Endura family, such as STD, Cold or Ecoflow options.

SN-35
BISO 2

REF. 08SN35B008



DOWNLOAD DATA SHEET

SN-35
BISO 3

REF. 08SN35B007



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



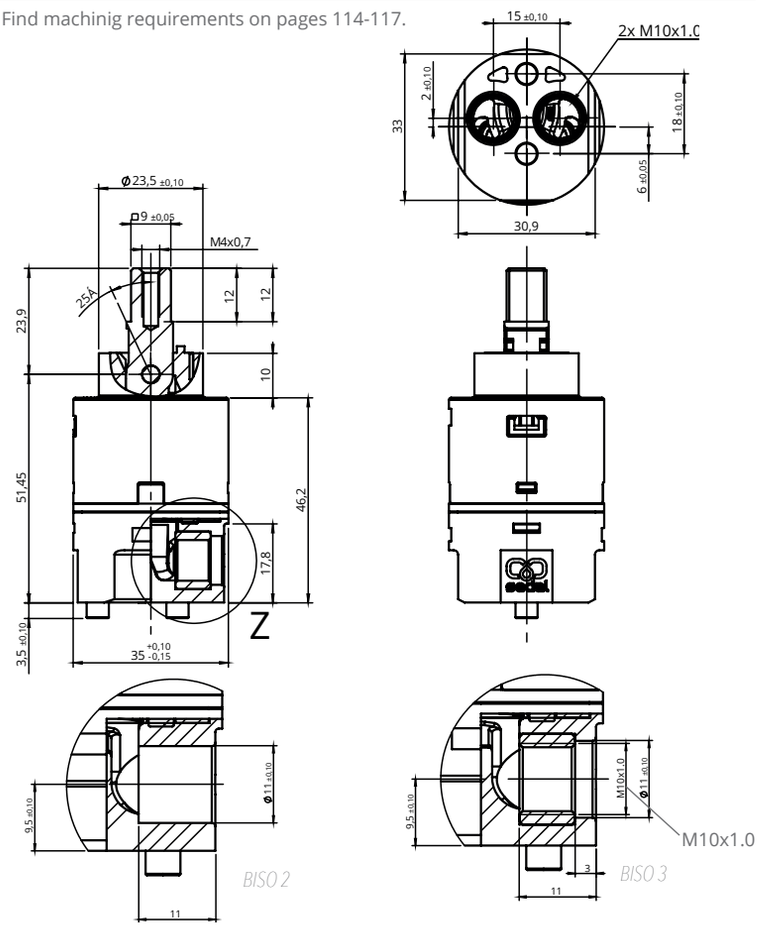
WASHBASINS
Specially designed for washbasins.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS

* Find machinig requirements on pages 114-117.



TECHNICAL SPECIFICATIONS

General	BISO 2	BISO 3
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>10 mm	>12 mm
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4 C - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	BISO 2	BISO 3
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	BISO 2	BISO 3
at 0.2 bar	5.3 l/min	5.3 l/min
at 1 bar	12 l/min	12 l/min
at 3 bar	20.8 l/min	20.8 l/min
at 5 bar	26.5 l/min	26.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 112-115

DRY FAUCET
SISO CARTRIDGES

DESCRIPTION

Dry faucet range is an optimal solution for lead-free policy products, as there is no contact between the water and the metal of the body. It helps to save costs because faucets bodies and spouts can be manufactured with different materials while allowing brass weight reduction in the faucet body.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

DRY FAUCET
Thanks to its design, the water is never in contact with the metal of the body faucet.

DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.

LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *LIGHTER BODY*
  SISO cartridge allows lighter body design and easier casting.

- *LEAD-FREE POLICY*
  Optimal solution for lead-free policy products, because there is no contact between water and metal.



- *DIFFERENT OPTIONS AVAILABLE*
  Different configurations as it is part of Endura family, such as Standard, Cold or Ecoflow options.

SN-35
SISO 2

REF.08SN35A0008



DOWNLOAD DATA SHEET

SN-35
SISO 3

REF.08SN35A0007



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



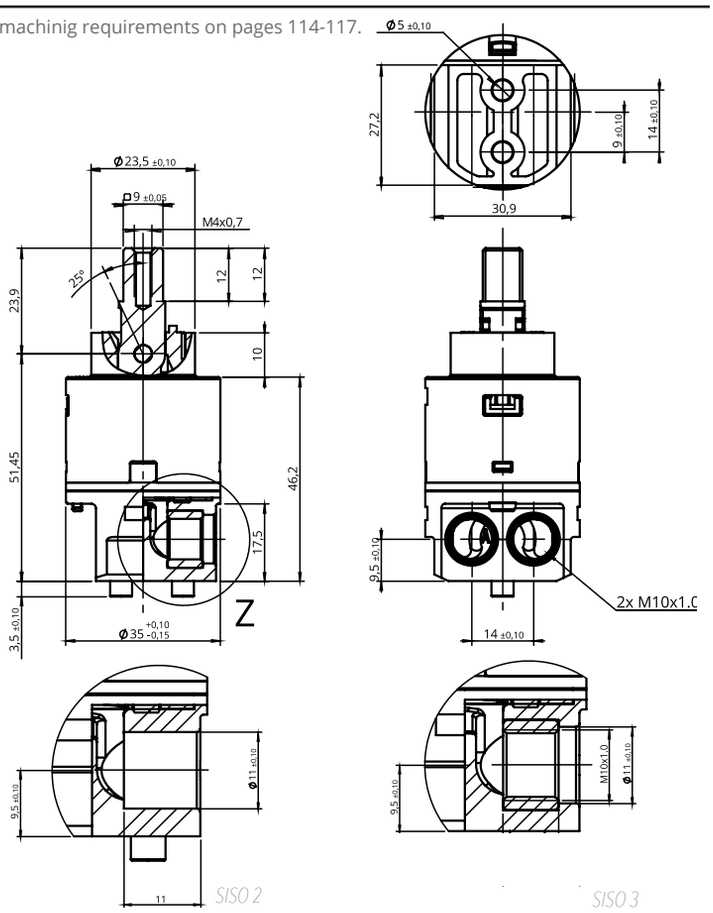
KITCHENS
Specially designed for kitchen sink.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS

* Find machinig requirements on pages 114-117.



SISO 2 SISO 3

TECHNICAL SPECIFICATIONS

General	SISO 2	SISO 3
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>10 mm	>12 mm
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4 C - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	SISO 2	SISO 3
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	SISO 2	SISO 3
at 0.2 bar	5.3 l/min	5.3 l/min
at 1 bar	12 l/min	12 l/min
at 3 bar	20.8 l/min	20.8 l/min
at 5 bar	26.5 l/min	26.5 l/min

* Find machinig requirements on pages 112-115

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DRY FAUCET
SISO CARTRIDGES

DESCRIPTION

Dry faucet range is an optimal solution for lead-free policy products, as there is no contact between the water and the metal of the body. It helps to save costs because faucets bodies and spouts can be manufactured with different materials while allowing brass weight reduction in the faucet body.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

DRY FAUCET
Thanks to its design, the water is never in contact with the metal of the body faucet.

DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.

LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *LIGHTER BODY*
  SISO cartridge allows lighter body design and easier casting.

- *LEAD-FREE POLICY*
  Optimal solution for lead-free policy products, because there is no contact between water and metal.



- *DIFFERENT OPTIONS AVAILABLE*
  Different configurations as it is part of Endura family, such as Standard, Cold or Ecoflow options.

SN-35
SISO STD

REF.08EN35A0003



DOWNLOAD DATA SHEET

SN-35
SISO COLD MIRROR

REF.08EN35A1503



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



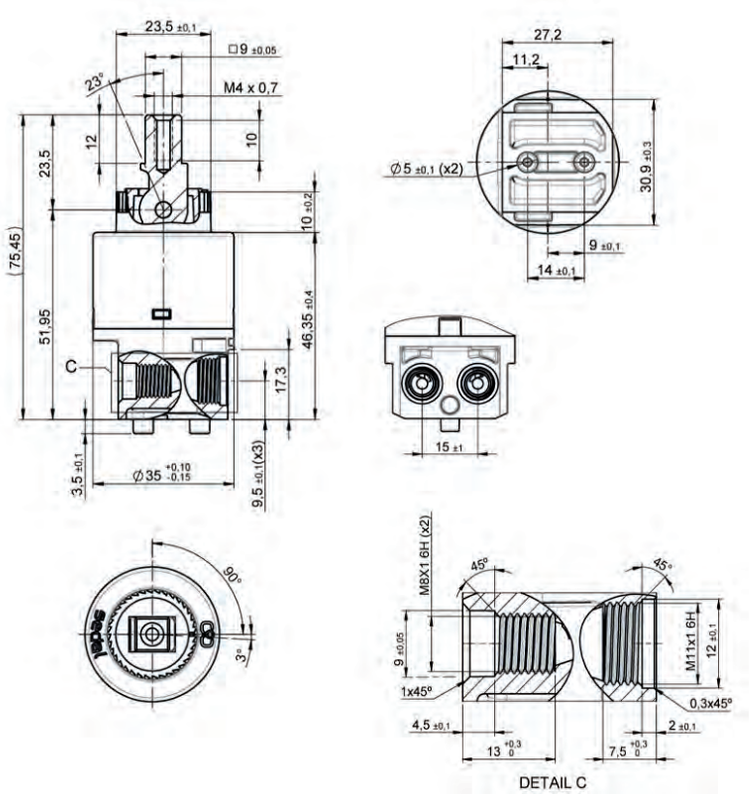
KITCHENS
Specially designed for kitchen sink.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS

* Find machinig requirements on pages 114-117.



TECHNICAL SPECIFICATIONS

General	SISO STD	SISO COLD MIRROR
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	90º	93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity DN6 (1)	>10º	>10º
Fidelity (1)	<5ºC	<5º
Max. recommended water temperature	60 - 65 ºC	60 - 65 ºC
Max. peak water temperature	90 ºC	90 ºC

Operation torque @ 3 bar	SISO STD	SISO COLD MIRROR
Open-close	0.25-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.15-0.40 Nm	0.20-0.40 Nm

Flow rate at Cold Start @ 3 bar (1)	SISO STD	SISO COLD MIRROR
Free flow	14,3 l/min	12,7 l/min
RhB	12,4 l/min	11 l/min

* Find machinig requirements on pages 112-115

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

REVOLVING
GI-35

DESCRIPTION

Revolving cartridges include a turning lever in order to mix water and provide better control of the flow rate.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

REVOLVING
This cartridge has a turning lever from 0° to 180°.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

METALLIC LEVER
This revolving cartridge has metallic lever

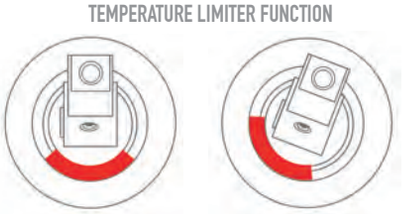
ADVANTAGES

- *180° ROTATION ANGLE*
  35mm revolving cartridge has a rotation angle of 180° from cold to hot.

- *EASY REVOLVING MOVEMENT*
  Smooth revolving movement for a comfort operation to the user.

- *TR TECHNOLOGY*
  The TR technology allows energy saving thanks to temperature limiters. It also enables an anti-scalding safety feature. This function allows limiting maximum temperature in 7 selectable stops.

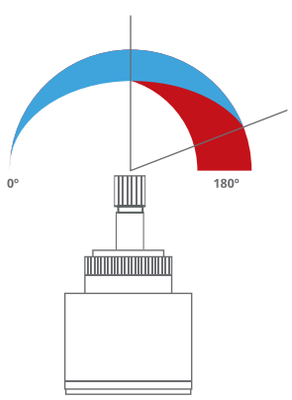
TEMPERATURE LIMITER FUNCTION



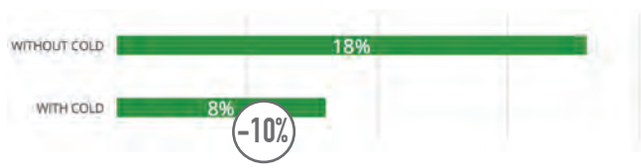
45° TURN 21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

- *COLD TECHNOLOGY*
  The cartridge starts in cold position by default, saving energy consumption related to plumbing products in the household.



HOUSEHOLD ENERGY CONSUMPTION RELATED TO CARTRIDGES IN %



GI-35 C/D

TR

REF.08GI35LBE64



DOWNLOAD DATA SHEET

GI-35 S/D

TR

REF. 08GI35FBE64



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

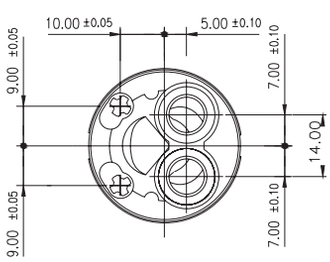


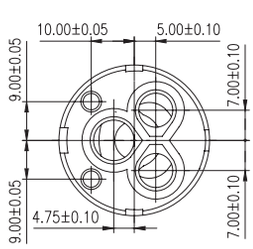
DECORATIVE WASHBASINS
Specially designed for decorative faucets.

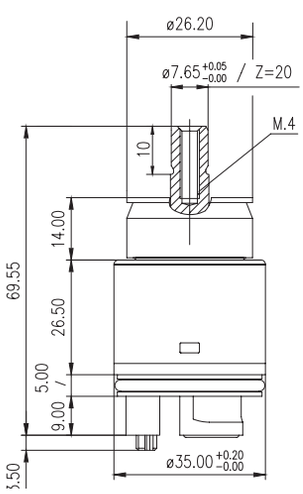
CERTIFICATIONS

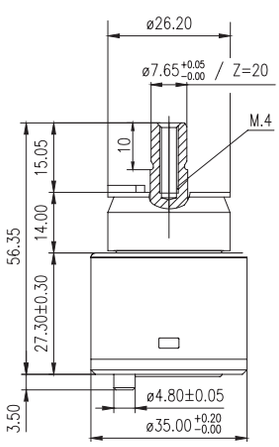
KTW AS/NZS NSF ACS WRAS

DIMENSIONS









* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180°	180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	40-45 bar	40-45 bar
Life cycle - EN 200 ASME 118.12.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Turn left-right	0.22-0.24 Nm	0.22-0.24 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.9 l/min	8.6 l/min
at 1 bar	13.7 l/min	11.9 l/min
at 3 bar	23.1 l/min	20.1 l/min
at 5 bar	29.5 l/min	25.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

REVOLVING
GI-35

GI-35 C/D
L9

REF.08GI35LBE09



DOWNLOAD DATA SHEET

GI-35 S/D
L9

REF. 08GI35FBE09

DESCRIPTION



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm revolving cartridges with a turning lever in order to mix water and provide better control of the flow rate.

ADVANTAGES

BRASS OR PLASTIC SHAFT

Cartridge available with plastic or metal shaft, depending on the application.

RECOMMENDED APPLICATIONS



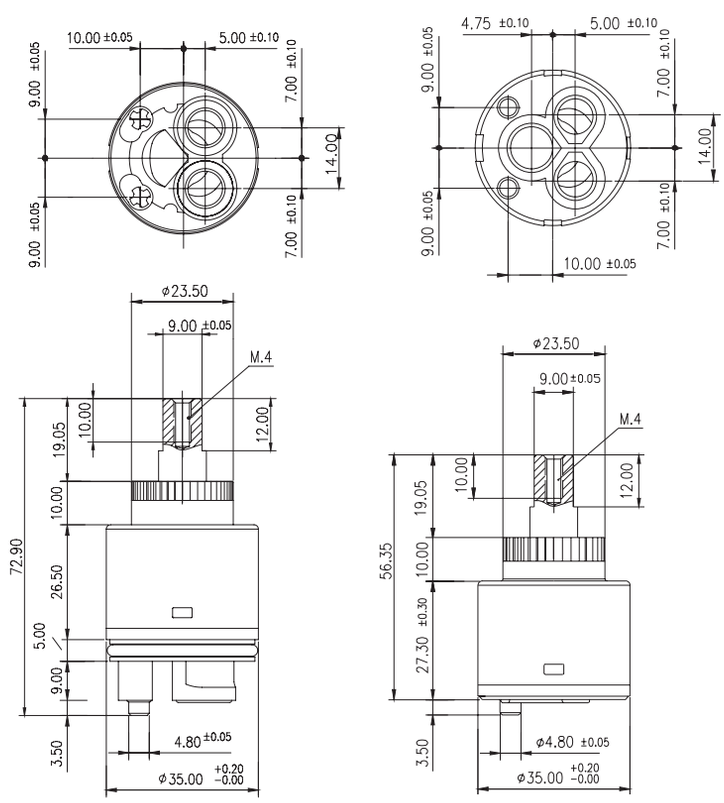
DECORATIVE WASHBASINS

Specially designed for decorative faucets.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180º	180º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	45-50 bar	45-50 bar
Life cycle - EN 200 ASME 112.18.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Turn left-right	0.22-0.24 Nm	0.25-0.55 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.9 l/min	8.6 l/min
at 1 bar	13.7 l/min	11.9 l/min
at 3 bar	23.1 l/min	20.1 l/min
at 5 bar	29.5 l/min	25.8 l/min

* Find machinig requirements on pages 106-109.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

GI-35 S/D

Z20

REF.08GI35LBE01



DOWNLOAD DATA SHEET

GI-35 S/D

Z20

REF. 08GI35FBE01



DOWNLOAD DATA SHEET

DESCRIPTION

35 mm revolving cartridges with a turning lever in order to mix water and provide better control of the flow rate.

ADVANTAGES

BRASS OR PLASTIC SHAFT

Cartridge available with plastic or metal shaft, depending on the application.

RECOMMENDED APPLICATIONS



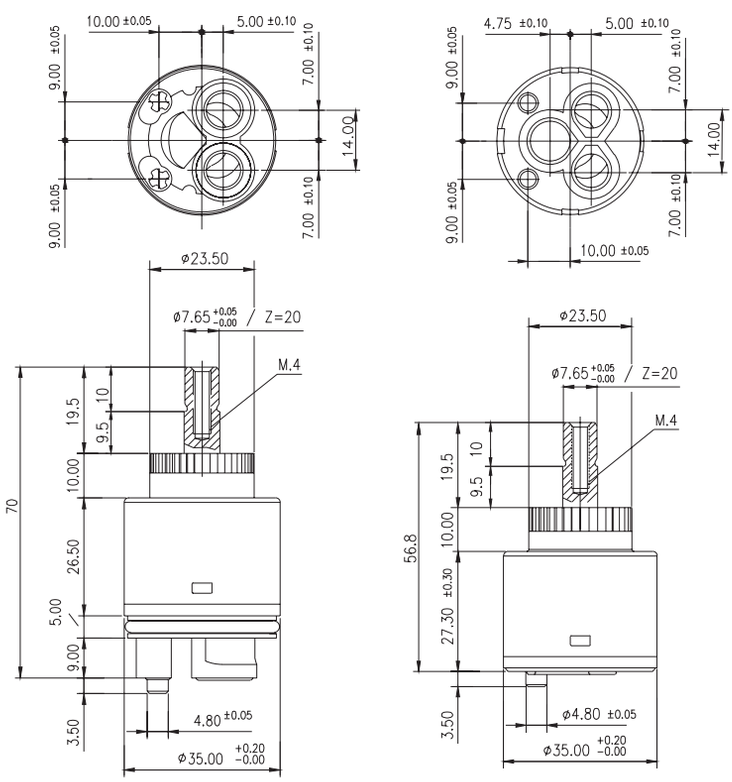
DECORATIVE WASHBASINS

Specially designed for decorative faucets.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180°	180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	45-50 bar	45-50 bar
Life cycle - EN 200 ASME 112.18.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Turn left-right	0.22-0.24 Nm	0.25-0.55 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.9 l/min	8.6 l/min
at 1 bar	13.7 l/min	11.9 l/min
at 3 bar	23.1 l/min	20.1 l/min
at 5 bar	29.5 l/min	25.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

GD35
BRASS DIVERTERS

DESCRIPTION

Brass diverters from SEDAL are Premium diverters for showering systems that require extremely reliable and robust solutions with a competitive cost. The definition of the stops and the smoothness of operation make this cartridge a great choice to elevate the quality perception of the shower for the end user, while providing safety and peace of mind to installers.

Pairs with our standard or OEM thermostatic cartridges for a superior showering experience.

FEATURES



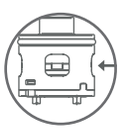
ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



METALLIC LEVER
This revolving cartridge has metallic lever



CLICK
GD-35 includes a click in the middle to notice the change of outlet.



SIDE INLET
The inlet of the diverter is located on the sides.



TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

- *MECHANICAL STRENGHT*
  Increased mechanical strength and robustness for a long life expectancy keeping the user experience at the highest standards.

- *SMOOTH OPERARTION*
  Excellent, smooth operation torque for a Premium feeling while operating the shower's outlets.

- *CUSLTOMIZABLE*
  Customizable number and outlet combinations for different applications, and customizable stops.

- *OEM CUSTOMIZATION*
  Customizable brass shaft length and grooving.

GD35 BRASS

REF. 08GD35S0019

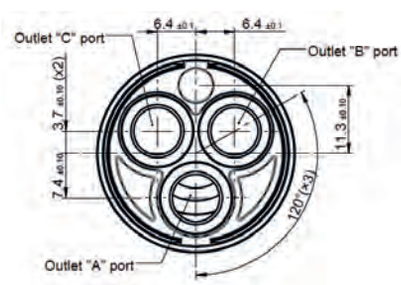


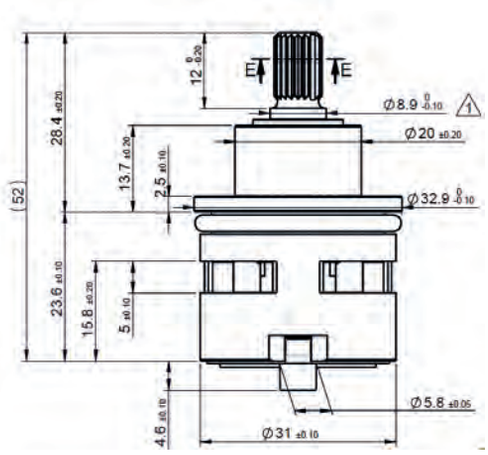
RECOMMENDED APPLICATIONS



SHOWERS DIVERTERS
Specially designed for showers with diverters.

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12Nm
Rotation angle	>360°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817 NF077 ASME 112-18-1	30,000 cycles 30,000 cycles 15,000 cycles
Max. hot water*	90 °C

Operation Torque	S/D
Turn left-right	0.15-0.45 Nm
OUTLET SELECTOR (Torque increment)	0.10-0.20 Nm

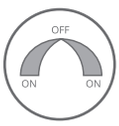
Flow rate (free flow)	S/D
at 0.5 bar	7.9 l/min
at 1 bar	16 l/min
at 3 bar	27.6 l/min
at 5 bar	35.3 l/min

DIVERTER
GD-35

DESCRIPTION

The GD35 diverter from Sedal is a high end 35mm valve that provides smooth operation along with a defined feeling of safety and precision thanks to the metallic lever and a high precision ceramic set. The operation torque has been improved while keeping a small footprint. Works perfectly paired with our TM001 Thermostatic cartridge for showers.

FEATURES



ON-OFF
Diverter with on-off function in default position with flow control.



CLICK
GD-35 includes a click in the middle to notice the change of outlet.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



METALLIC LEVER
This diverter cartridge has metallic lever.



OUTLETS
Diverter cartridge with two outlets.



ROTATION ANGLE
Diverter cartridge with 180º rotation angle.

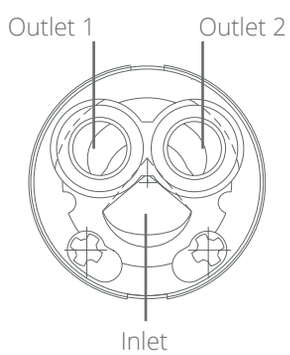
ADVANTAGES

- *SURPASSES CONVENTIONAL DURABILITY STANDARDS*
  Extended life time thanks to a high grade ceramic set made in our Technical Ceramics facilities. The metal lever improves the user perception of quality and precision in a small cartridge.

- *ROBUST DESIGN*
  GD-35 has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  The GD35 has a high flow rate @3 bar, allowing to build body showers with 2 outlets providing a positive user experience while assuring an ecologic water consumption.

- *DIVERTER FUNCTIONALITY*
  This cartridge fits specially good in bath showers because allows to have two different outlets while keeping slim designs. Mixed water entersinlet 3 and exits either outlet 1 or 2.



GD-35 C/D

REF.08GD35LBE00



DOWNLOAD DATA SHEET

GD-35 S/D

REF.08GD35FBE00



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

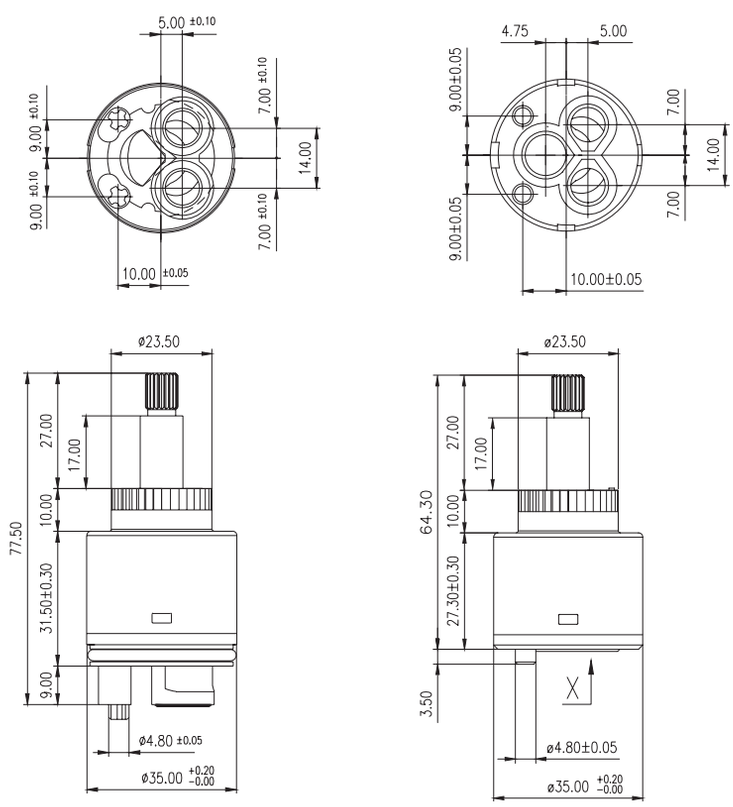


SHOWERS DIVERTERS
Specially designed for showers with diverters.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	7-8Nm	7-8Nm
Rotation angle	180º	180º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	25-30 bar	25-30 bar
Life cycle - EN 200 ASME 112.18.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Turn left-right	0.50-0.40 Nm	0.50-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	3.9 l/min	3.9 l/min
at 1 bar	5.6 l/min	5.6 l/min
at 3 bar	9.6 l/min	9.6 l/min
at 5 bar	12.4 l/min	12.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIVERTER
GD-35 4

DESCRIPTION

The GD35 S/D 4 diverter from Sedal is a high end 35mm valvewith four outlets that provides smooth operation along with a defined feeling of safety and precision thanks to the metallic lever and a high precision ceramic set. The operation torque has been improved while keeping a small footprint. Works perfectly paired with our TM001 Thermostatic cartridge for showers.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

CLICK
GD-35 includes a click in the middle to notice the change of outlet.

OUTLETS
Diverter cartridge with two outlets.

METALLIC LEVER
This diverter cartridge has metallic lever.

ROTATION ANGLE
Diverter cartridge with 360º rotation angle.

SIDE INLET
The inlet of the diverter is located on the sides.

ADVANTAGES

- *SURPASSES CONVENTIONAL DURABILITY STANDARDS*
  Extended life time thanks to a high grade ceramic set made in our Technical Ceramics facilities. The metal lever improves the user perception of quality and precision in a small cartridge.

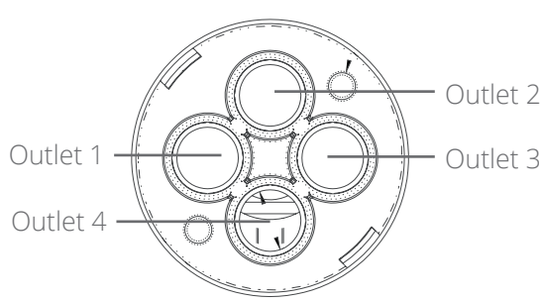
- *ROBUST DESIGN*
  GD-35 has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  The GD35 has a high flow rate @3 bar, allowing to build body showers with 2 outlets providing a positive user experience while assuring an ecologic water consumption.

- *3 DIFFERENT SHAFTS LENGHT AVAILABLE*
  The GD35 is available with three different shaft lenghts to fullfill any manufacturer requirements.

Total Height (mm)
52.2 mm
64.8 mm
80.5 mm

- *DIVERTER FUNCTIONALITY*
  This cartridge fits specially good in bath showers because allows to have four different outlets. Mixed water enters inlet on the side and exits either outlet 1, 2, 3 or 4.



GD-35 S/D 4

REF. 08GD35S0001



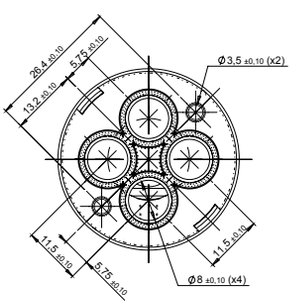
DOWNLOAD
DATA SHEET

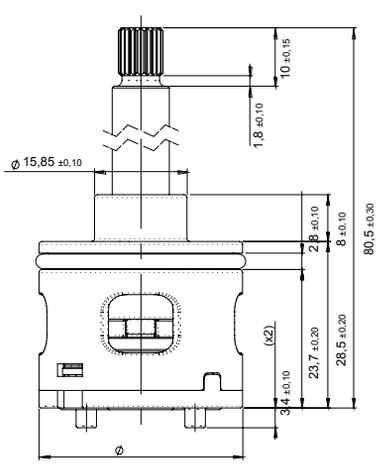
RECOMMENDED APPLICATIONS



SHOWERS DIVERTERS
Specially designed for showers with diverters.

DIMENSIONS





* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12 Nm
Rotation angle	360°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817 NF077	30,000 cycles 30,000 cycles
Max. hot water*	90 °C

Operation Torque	S/D
Turn left-right	0.15-0.40 Nm
OUTLET SELECTOR (Torque increment)	0.10-0.20 Nm

Flow rate (free flow)	S/D
at 0.5 bar	10.2 l/min
at 1 bar	15.5 l/min
at 3 bar	26.5 l/min
at 5 bar	34 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

JOYSTICK
JY-35

DESCRIPTION

Joystick cartridges have a similar functionality as standard cartridges, although the special design of their levers allows smooth 360° movements.

Very popular in some countries, Joystick cartridges provide a natural movement especially with vertical levers.

The JY35 from Sedal is a very robust Joystick cartridge specially developed for faucets or cascade tap designs.

FEATURES



JOYSTICK
Joystick cartridge with smooth 360° movement.

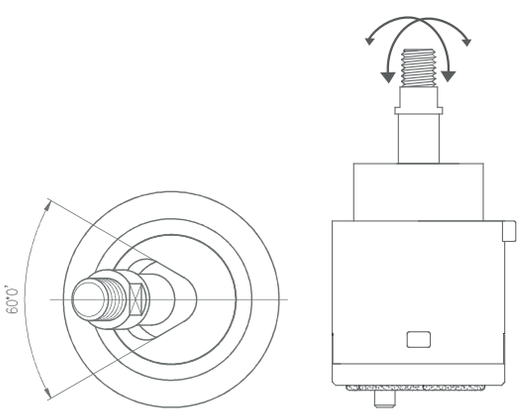


METALLIC LEVER
This joystick cartridge has metallic lever

ADVANTAGES

- *SMOOTH FEELING*
  35mm joystick has a very smooth operational feeling that gives comfort to the user.

- *NEW CERAMICS DISC GEOMETRY*
  JY-35 has a new ceramics disc geometry that allows its smooth 360° movement.



- *ROBUST DESIGN*
  35mm joystick has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  JY-35 has higher flow rates than previous versions.

JY-35 C/D

REF. 08JY35L001



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

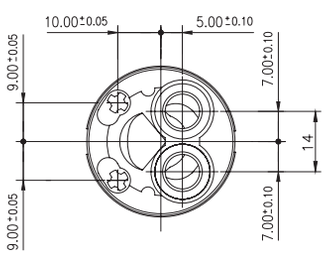


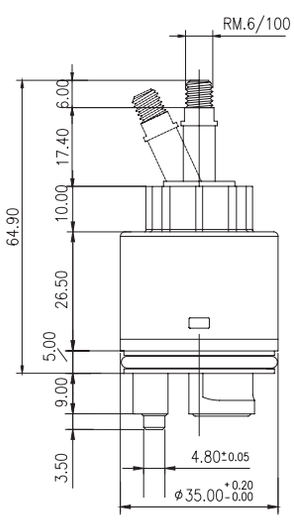
WASHBASINS
Specially designed for washbasins.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS





* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12 Nm
Opening angle	25ºC
Rotation angle	90º
Working pressure (recommended)	1 - 5 bar
Burst pressure	30-35 bar
Life cycle - EN 817	70,000 cycles
Max. hot water*	90 ºC

Operation Torque	S/D
Turn left-right	0.25-0.33 Nm

Flow rate (free flow)	S/D
at 0.5 bar	10.4 l/min
at 1 bar	14.3 l/min
at 3 bar	24.6 l/min
at 5 bar	31.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

UPPER SEALING G-35 TOP

STANDARD C1 | DUE C2 | COLD Ch3 | COLD DUE C3

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design. G-35 TOP is a 35mm cartridge created to be the best in class, outstanding its competitors in all fields and offering the manufacturer a perfect balanced cartridge with an extraordinary endurance.

FEATURES



FLOW LIMITER
Limit maximum water flow for water saving.



DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.



TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ADVANTAGES

- *HIGHER FLOWRATE*

  TOP has a 5% more flowrate than the average in its market segment. It also has **3.5% more flowrate** than its closest competitor and it is substantially better than the standard cartridges.

- *A PLUS IN SENSITIVITY*

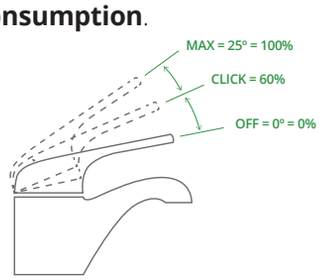
  TOP has a **20% more sensitivity** than its closest competitor. It has a 12% more sensitivity than the average cartridges in the market.

- *LOWER NOISE LEVEL*

  TOP produces less than 20dB, **20% less noise** than the average in its market segment and also than its closest competitor.

- *DUE TECHNOLOGY*

  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



- *EXTRAORDINARY COMFORT*

  TOP has an **extraordinary operational comfort**, with smooth operation even in hot conditions, offering to the user a 11% more comfort than the average in its market segment.

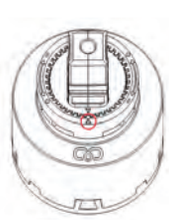
- *MECHANICAL STRENGHT*

  TOP has a **25% more mechanical strenght** than Endura.

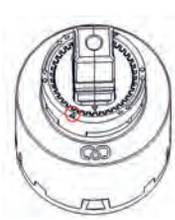
- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9°), enabling an anti-scalding safety feature.



0° TURN



27° TURN

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

G-35
TOP

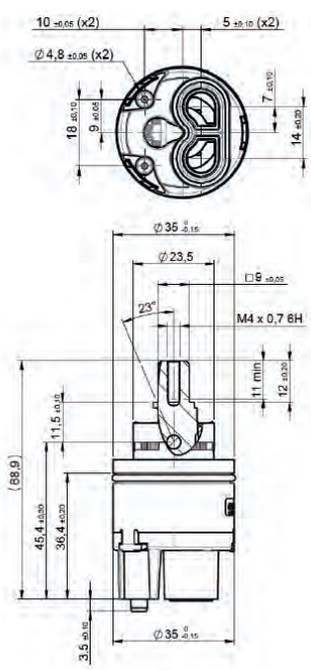


DOWNLOAD
DATA SHEET

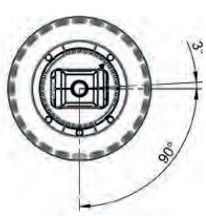
OTHER VERSIONS

TOP TR C1	REF. 08G35L0502
TOP TR DUE C2	REF. 08G35L3501
TOP COLD TR Ch3	REF. 08G35L2501
TOP COLD DUE TR C3	REF. 08G35L5002

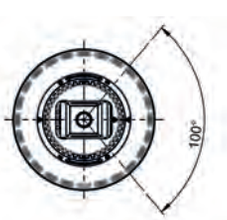
DIMENSIONS



COLD OPEN



STANDARD OPEN



* Find machinig requirements on pages 112-115

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	G-35 TOP	G-35 TOP COLD
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	100º	93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle- x3 ASME x3 EN 817 NF-077 U3 x3 GB-18145	1,500,000 cycles 210,000 cycles 175,000 cycles 210,000 cycles	1,500,000 cyc. 210,000 cycles 175,000 cycles 210,000 cycles
Sensitivity NF-077	>12º angle	>12º angle
Fidelity NF-077	<5º C	<5º C
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	
Open-close	0.20÷0.40 Nm
Left-Right	0.20÷0.40 Nm

Flow rate (free flow)	G-35 TOP	G-35 TOP COLD
Free flow	27.7 l/min	27.7 l/min
A-Restrictor - Shower	12.7 l/min	12.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

UPPER SEALING
G-35 | G-35 DUE

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design.

FEATURES



TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

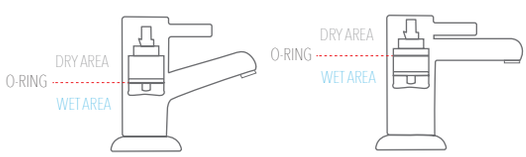


FLOW LIMITER
Limit maximum water flow for water saving.

ADVANTAGES

- *ALLOWS DIFFERENT FAUCET CONFIGURATIONS*

  Allows the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side.

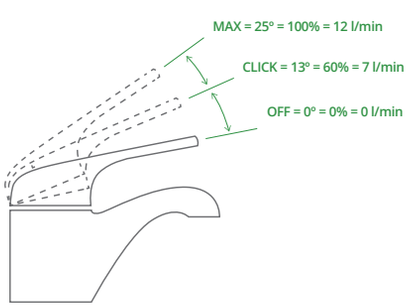


- *COMPATIBILITY*

  Lower sealing compatible with standard 35mm available.

- *DUE TECHNOLOGY*

  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



- *UPPER SEALING WITH LIMITERS AVAILABLE*

TEMPERATURE LIMITER FUNCTION (TR)

G-35 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

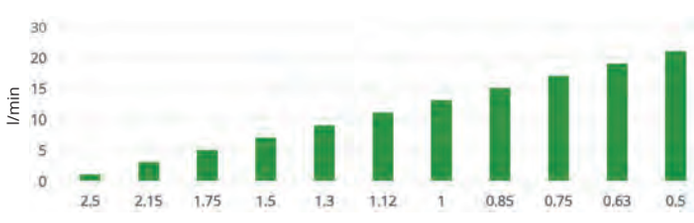
position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



G-35 C/D



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

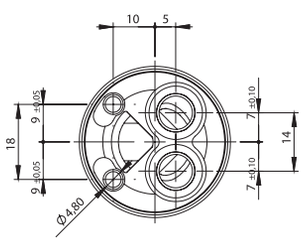


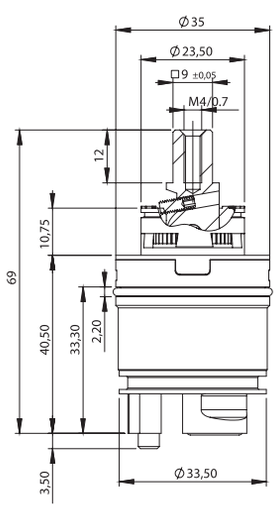
KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	C/D
Without limiters	REF. 08G35L0001
TRN	REF. 08RG35L4602
DUE TRN	REF. 08G35L0002

DIMENSIONS





* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	C/D
Nut torque pitch M1.5	10-12Nm
Opening angle	23º
Rotation angle	96º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle - EN 817	70,000 cycles
Sensitivity (r=45mm)	>10º angle
Fidelity	<5º C
Max. hot water*	90 ºC

Operation Torque	C/D
Open-close	0.20-0.40 Nm

Flow rate (free flow)	C/D
at 0.5 bar	9.2 l/min
at 1 bar	13 l/min
at 3 bar	22.5 l/min
at 5 bar	29 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

UPPER SEALING
G-35 COLD

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

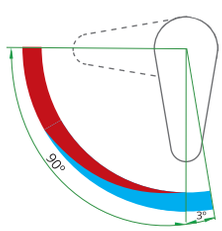
ADVANTAGES

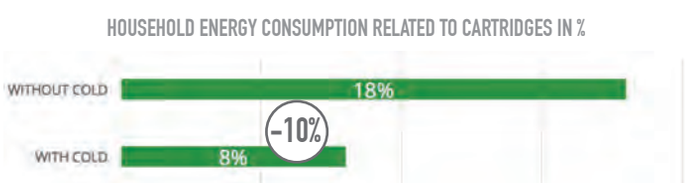
- *ADDITIONAL FEATURES*

  G-35 Cold has the same advantages than G-35, but with cold technology as an additional feature.

- *COLD TECHNOLOGY*

  The lever is in cold position by default, saving up to 10% from the household energy consumption related to plumbing products. Sedal has developed a new version of standard upper sealing cartidges of 35mm with cold start opening, which flows cold water when the lever is centered.
  This energy saving feature will help the user to have a better control of energy consumption.





G-35 C/D

COLD

REF. 08G35L1502



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

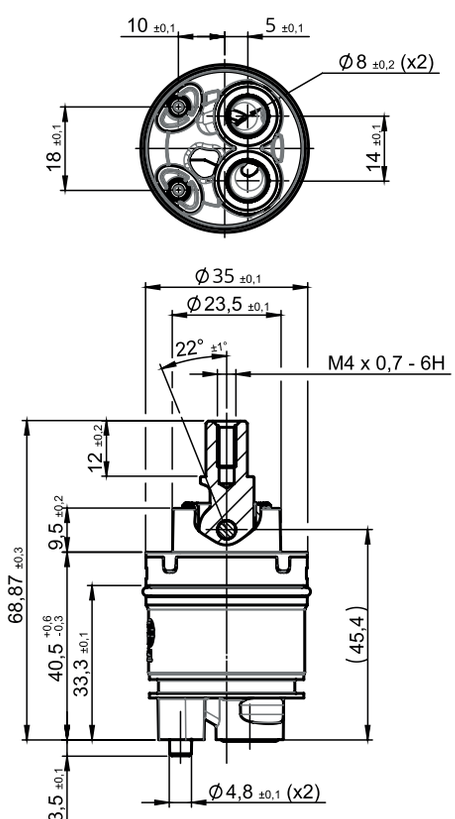


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	C/D
Nut torque pitch M1.5	10-12Nm
Opening angle	22º
Rotation angle	93º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817	70,000 cycles
Sensitivity (r=45mm)	>10º angle
Fidelity	<5º C
Max. hot water*	90 ºC

Operation Torque	C/D
Open-close	0.20-0.40 Nm

Flow rate (free flow)	C/D
at 0.5 bar	6 l/min
at 1 bar	8.8 l/min
at 3 bar	15.3 l/min
at 5 bar	19.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIRECT PLUG-IN - CC-35 TOP

STANDARD C1 | DUE C2 | COLD Ch3 | COLD DUE C3

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design. CC-35 TOP is a 35mm cartridge created to be the best in class, outstanding its competitors in all fields and offering the manufacturer a perfect balanced cartridge with an extraordinary endurance.

FEATURES

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

FLOW LIMITER
Limit maximum water flow for water saving.

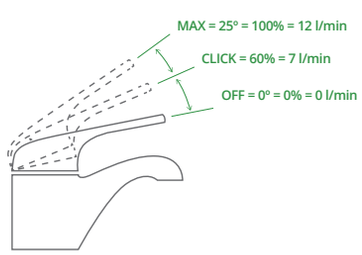
ADVANTAGES

- *MINIMALISM WITH HIGH PERFORMANCE*
  Compact cartridges allow the manufacturer to create minimalistic faucets without giving up the high-performance features of the cartridges.

- *ECO FEATURES*
  35 mm compact cartridges are available with a DUE option, a feature that provides up to 50% water saving thanks to a mid-way stop at 60% of the lever stroke.

- *ENHANCED PERFORMANCE*
  EX-35 Plus cartridge is a completely new design with enhanced performance, meeting the highest technical requirements.

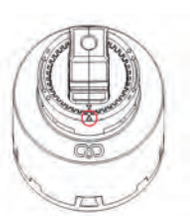
- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

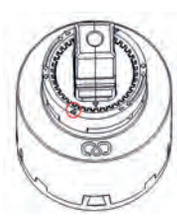


- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9°), enabling an anti-scalding safety feature.


0° TURN


27° TURN

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

CC-35

TOP

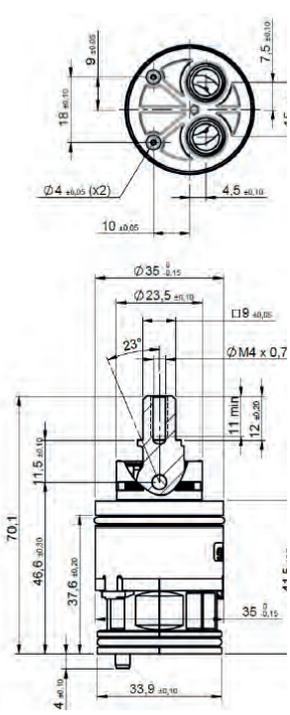


DOWNLOAD DATA SHEET

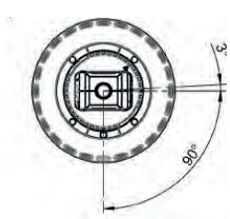
OTHER VERSIONS

TOP TR C1	REF. 08CC35L0501
TOP TR DUE C2	REF. 08CC35L3502
TOP COLD TR Ch3	REF. 08CC35L2501
TOP COLD DUE TR C3	REF. 08CC35L5002

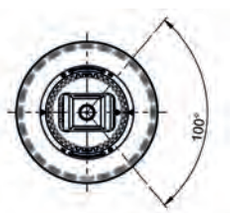
DIMENSIONS



COLD OPEN



STANDARD OPEN



* Find machinig requirements on pages 112-115

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins.

KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	CC-35 TOP	CC-35 TOP COLD
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	100º	93º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle- x3 ASME	1,500,000 cycles	1,500,000 cyc.
x3 EN 817	210,000 cycles	210,000 cycles
NF-077 U3	175,000 cycles	175,000 cycles
x3 GB-18145	210,000 cycles	210,000 cycles
Sensitivity NF-077	>12º angle	>12º angle
Fidelity NF-077	<5º C	<5º C
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	
Open-close	0.20÷0.40 Nm
Left-Right	0.20÷0.40 Nm

Flow rate (free flow)	CC-35 TOP	CC-35 TOP COLD
Free flow	26 l/min	26 l/min
A-Restrictor - Shower	12.7 l/min	12.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIRECT PLUG-IN
CC-35

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

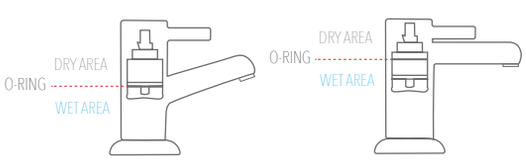
DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.

FLOW LIMITER
Limit maximum water flow for water saving.

ADVANTAGES

- *DIRECT PLUG-IN*
  Hoses are threaded directly into the cartridge with direct inlet connections

- *MODERN FAUCET DESIGNS*
  This kind of cartridge allows modern faucet design options thanks to its multiple configurations.

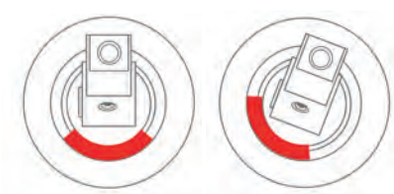


- *COST SAVINGS*
  Direct plug-in allows lighter faucet body and consequently the manufacturer has process and brass savings.
  - Brass saving up to 8%
  - Process saving up to 15%

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

CC-35 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.



position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



CC-35

REF. 08CC35L0003



DOWNLOAD DATA SHEET

CC-35
BASIC

REF. 08CC35L0019



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

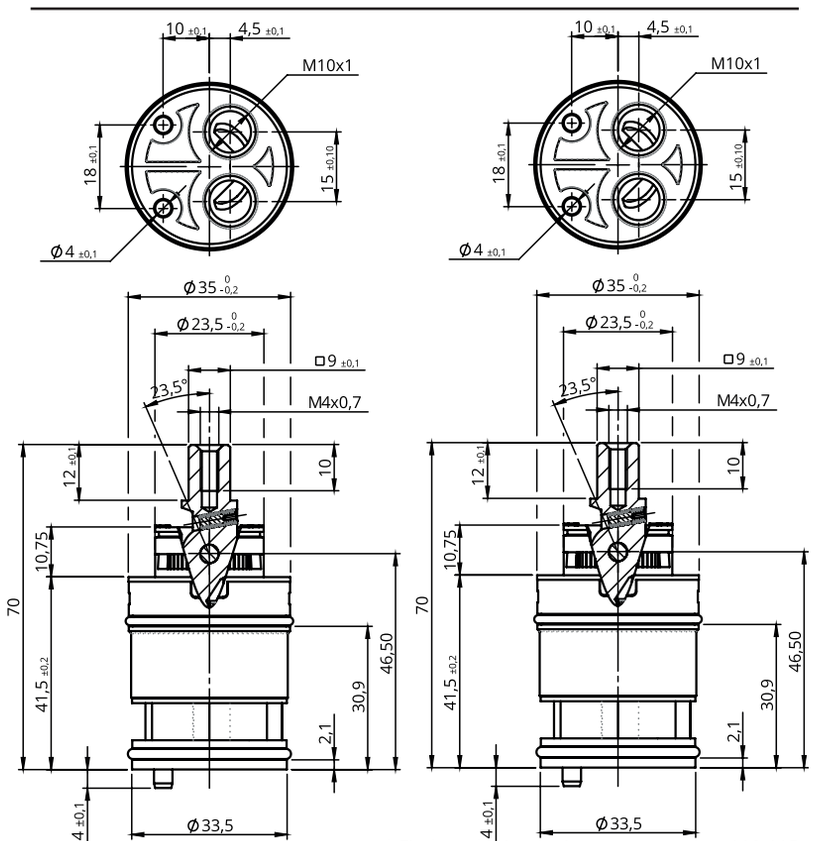
	STANDARD	BASIC
Temperature limiter (TR)	REF. 08CC35L0001	REF. 08CC35L0002
Temperature & flow limiter (TRN)	REF.08CC35L4501	REF.08CC35L4502

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

*CC-35 BASIC is ACS certified only

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	CC-35
Nut torque pitch M1.5	10-12Nm
Opening angle	23.5º
Rotation angle	96º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle - EN 817	70,000 cycles
Sensitivity	11.5º angle
Fidelity	<5º C
Max. hot water*	90 ºC

Operation Torque	CC-35
Open-close	0.30-0.50 Nm

Flow rate (free flow)	CC-35
at 0.5 bar	9.2 l/min
at 1 bar	12.9 l/min
at 3 bar	22.4 l/min
at 5 bar	29.1 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIRECT PLUG-IN
CC-35 DUE

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

FLOW LIMITER
Limit maximum water flow for water saving.

DIRECT PLUG IN
Water inlet hoses are plugged directly into the cartridges.

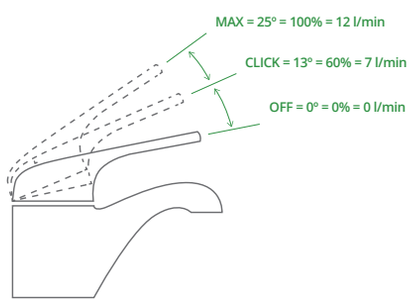
ADVANTAGES

ADDITIONAL FEATURES

CC-35 due has the same advantages than CC-35, but with due technology as an additional feature.

DUE TECHNOLOGY

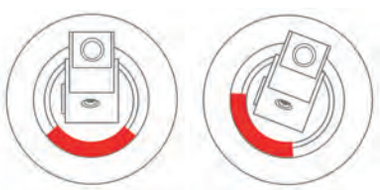
Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

CC-35 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN 21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



CC-35

DUE BASIC

REF.08CC35L4502 (TRN)



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



KITCHENS
Suitable for use in kitchens.

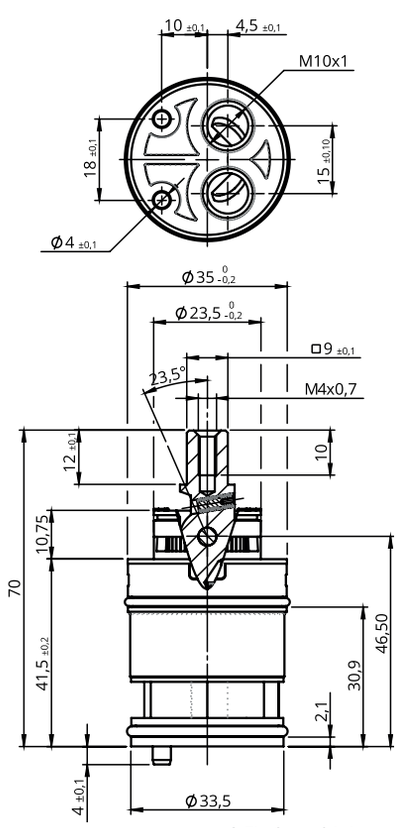
OTHER VERSIONS

	STANDARD	BASIC
Temperature limiter (TR)	-	REF. 08CC35L5701

CERTIFICATIONS

ACS

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	CC-35 DUE TRN BASIC
Nut torque pitch M1.5	10-12Nm
Opening angle	23.5º
Rotation angle	96º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle - EN 817	70,000 cycles
Sensitivity	11.5º angle
Fidelity	<5º C
Max. hot water*	90 ºC

Operation Torque	CC-35 DUE TRN BASIC
Open-close	0.30-0.50 Nm

Flow rate (free flow)	CC-35 DUE TRN BASIC
at 0.5 bar	9.2 l/min
at 1 bar	12.9 l/min
at 3 bar	22.4 l/min
at 5 bar	29.1 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT EX-35 TOP
STANDARD C1 | DUE C2

DESCRIPTION

Compact 35mm cartridge allows the manufacturer for short faucets.

FEATURES

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

FLOW LIMITER
Limit maximum water flow for water saving.

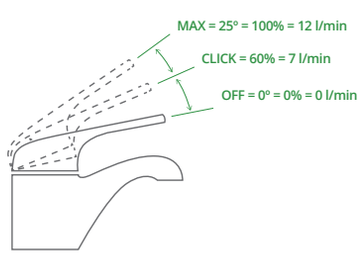
ADVANTAGES

- *MINIMALISM WITH HIGH PERFORMANCE*
  Compact cartridges allow the manufacturer to create minimalistic faucets without giving up the high-performance features of the cartridges.

- *ECO FEATURES*
  35 mm compact cartridges are available with a DUE option, a feature that provides up to 50% water saving thanks to a mid-way stop at 60% of the lever stroke.

- *ENHANCED PERFORMANCE*
  EX-35 Plus cartridge is a completely new design with enhanced performance, meeting the highest technical requirements.

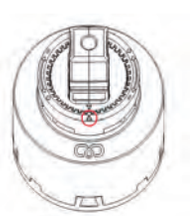
- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

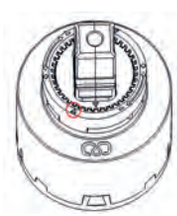


- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9°), enabling an anti-scalding safety feature.


0° TURN


27° TURN

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

EX-35

TOP

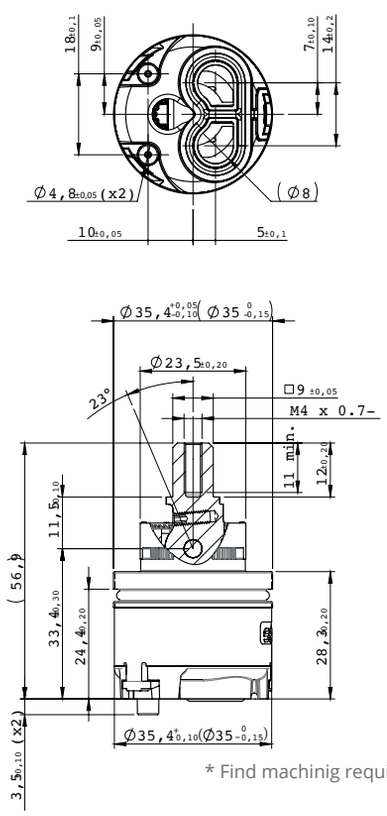


DOWNLOAD DATA SHEET

DOWNLOAD DATA SHEET

OTHER VERSIONS	35 MM	35,4 MM
TOP C1	REF. 08EX35L0004	REF. 08EX35L0003
TOP TR C1	REF. 08EX35L0504	REF. 08EX35L0502
TOP TRN C1	REF. 08EX35L4505	REF. 08EX35L4504
TOP DUE TR C2	REF. 08EX35L3502	REF. 08EX35L3501

DIMENSIONS



* Find machinig requirements on pages 112-115

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.



CONCEALED BATH-SHOWERS
Specially designed for bath showers.



CONCEALED KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	EX-35 TR TOP
Nut torque pitch M1.5	10-12Nm
Opening angle	23º
Rotation angle	100º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle- x3 ASME x3 EN 817 NF-077 U3 x3 GB-18145	1,500,000 cycles 210,000 cycles 175,000 cycles 210,000 cycles
Sensitivity (r=45mm) NF-077	>12º
Fidelity NF-077	<5 ºC
Constant 63ºC & 50ºC (6 l/m & 3 l/m)	<4ºC-6ºC
Max. hot water*	90 ºC

Operation Torque	EX-35 TR TOP
Open-close	0.2-0.4 Nm
Turn left-right	0.2-0.4 Nm

Noise level	EX-35 TR TOP
Noise level	<20 dB(A)

Flow rate (free flow)	EX-35 TR TOP
at 3 bar	27,3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT EX-35 TOP
COLD Ch3 | COLD DUE C3

DESCRIPTION

Compact 35 mm cartridge allows the manufacturer for short faucets.

FEATURES

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

FLOW LIMITER
Limit maximum water flow for water saving.

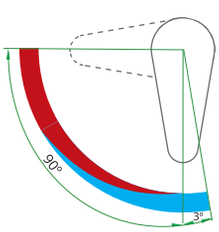
ADVANTAGES

ADDITIONAL FEATURES

EX-35 Plus cold has the same advantages than EX-35 Plus, but with cold technology as an additional feature.

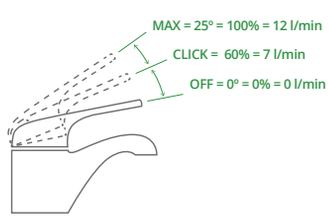
COLD TECHNOLOGY

The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



DUE TECHNOLOGY

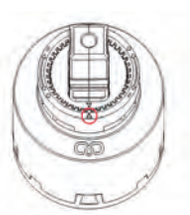
Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

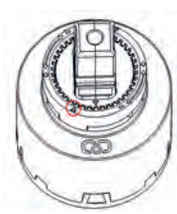


VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

TOP cartridge has an optional ring called TR that allows limiting maximum temperature in 10 selectable stops (every 9°), enabling an anti-scalding safety feature.


0° TURN


27° TURN

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

EX-35

TOP



DOWNLOAD DATA SHEET

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.



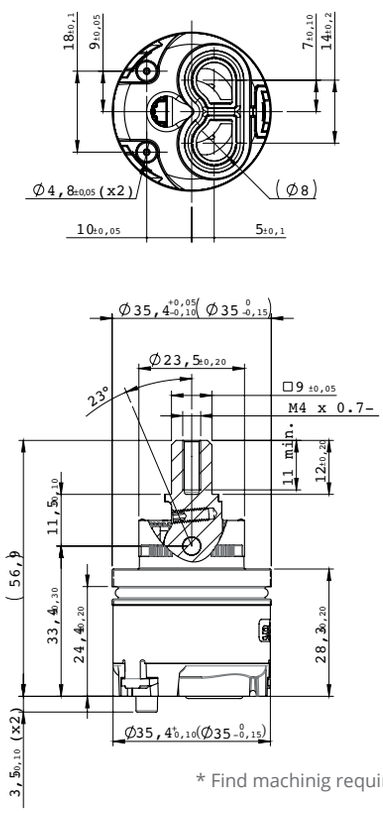
CONCEALED KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS	35 MM	35,4 MM
TOP COLD Ch3	REF. 08EX35L1503	REF. 08EX35L1502
TOP COLD TR Ch3	REF. 08EX35L2503	REF. 08EX35L2502
TOP COLD TRN Ch3	REF. 08EX35L4003	REF. 08EX35L4002
TOP COLD DUE TR C3	REF. 08EX35L5003	REF. 08EX35L5002

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

DIMENSIONS



* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	EX-35 TR TOP
Nut torque pitch M1.5	10-12Nm
Opening angle	23º
Rotation angle	93º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle- x3 ASME x3 EN 817 NF-077 U3 x3 GB-18145	1,500,000 cycles 210,000 cycles 175,000 cycles 210,000 cycles
Sensitivity (r=45mm) NF-077	>12º
Fidelity NF-077	<5 ºC
Constant 63ºC & 50ºC (6 l/m & 3 l/m)	<4ºC-6ºC
Max. hot water*	90 ºC

Operation Torque	EX-35 TR TOP
Open-close	0.2-0.4 Nm
Turn left-right	0.2-0.4 Nm

Noise level	EX-35 TR TOP
Noise level	<20 dB(A)

Flow rate (free flow)	EX-35 TR TOP
at 3 bar	27,3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT
EX-35

DESCRIPTION

Compact 35 mm cartridge allows the manufacturer for short faucets.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

FLOW LIMITER
Limit maximum water flow for water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ADVANTAGES

MINIMALISM WITH HIGH PERFORMANCE

Compact cartridges allow the manufacturer to create minimalistic faucets without giving up the high-performance features of the cartridges.

ECO FEATURES

35 mm and 40mm compact cartridges are available with a due option, a feature that provides up to 50% water saving thanks to a mid-way stop at 60% of the lever stroke.
35mm cartridge is also available with temperature and flow limiters.

VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

EX-35 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



EX-35

TRN

REF. 08EX35S0001 (TRN)



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.



CONCEALED BATH-SHOWERS
Specially designed for bath showers.

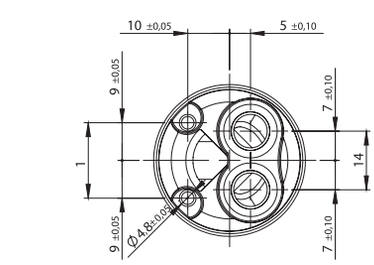


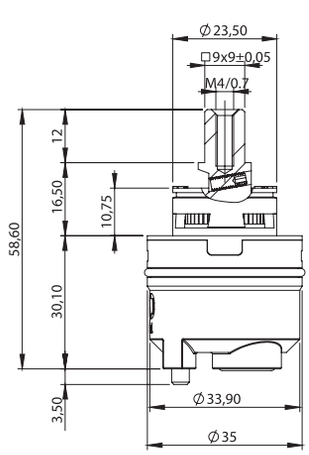
CONCEALED KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

Without limiters	REF. 08EX35S1001

DIMENSIONS





* Find machinig requirements on pages 112-115

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	EX-35 TRN
Nut torque pitch M1.5	10-12Nm
Opening angle	24º
Rotation angle	96º
Working pressure (recommended)	1 - 5 bar
Burst pressure	56 bar
Life cycle - EN 817	70,000 cycles
Sensitivity	10º-12º angle
Fidelity	3 ºC
Max. hot water*	90 ºC

Operation Torque	EX-35 TRN
Open-close	0.20-0.30 Nm

Flow rate (free flow)	EX-35 TRN
at 0.5 bar	8.5 l/min
at 1 bar	12 l/min
at 3 bar	20.8 l/min
at 5 bar	26.8 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT
EX-35 DUE

DESCRIPTION

Compact 35 mm cartridge allows the manufacturer for short faucets.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

FLOW LIMITER
Limit maximum water flow for water saving.

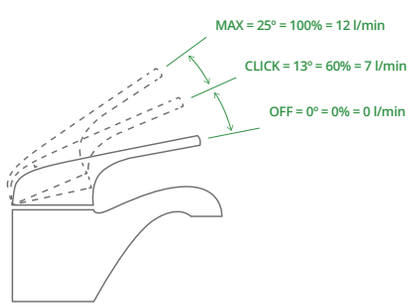
ADVANTAGES

ADDITIONAL FEATURES

EX-35 due has the same advantages than EX-35, but with due technology as an additional feature.

DUE TECHNOLOGY

Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

EX-35 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



EX-35

TRN DUE

REF. 08EX35S3501 (TRN)



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.



CONCEALED BATH-SHOWERS
Specially designed for bath showers.

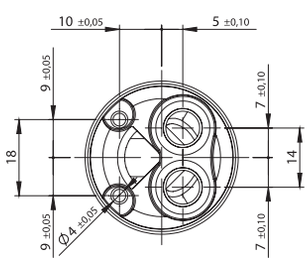


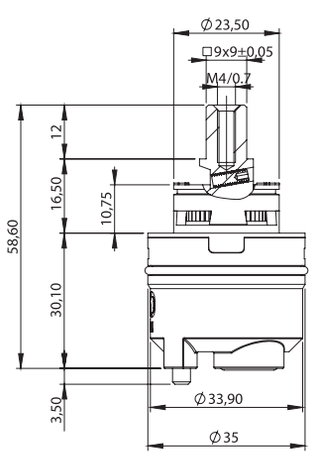
CONCEALED KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS





* Find machinig requirements on pages 112-115

TECHNICAL SPECIFICATIONS

General	EX-35 TRN
Nut torque pitch M1.5	10-12Nm
Opening angle	24º
Rotation angle	96º
Working pressure (recommended)	1 - 5 bar
Burst pressure	56 bar
Life cycle - EN 817	70,000 cycles
Sensitivity	10º-12º angle
Fidelity	3 ºC
Max. hot water*	90 ºC

Operation Torque	EX-35 TRN
Open-close	0.20-0.30 Nm
Saving device (DUE)	0.60-0.90 Nm

Flow rate (free flow)	EX-35 TRN
at 0.5 bar	8.5 l/min
at 1 bar	12 l/min
at 3 bar	20.8 l/min
at 5 bar	26.8 l/min

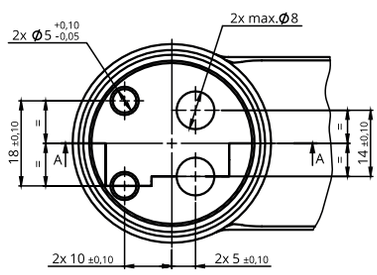
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

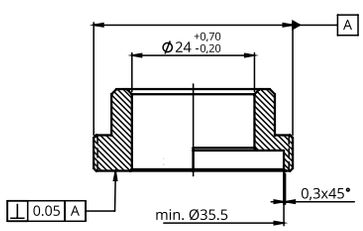
MACHINING REQUIREMENTS

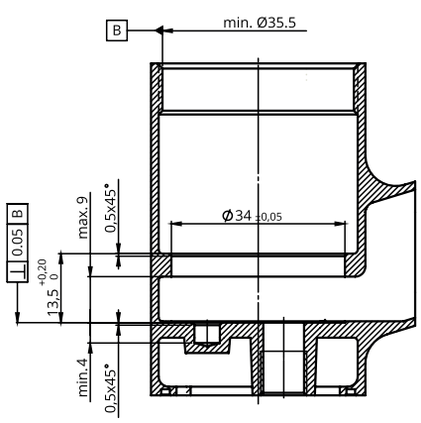
CHART OF MACHINING REQUIREMENTS

DIAMETER	CARTRIDGE	REFERENCE	PAGE
35 mm	EN-35 C/D TOP C1	08EN35L0023	50
	EN-35 C/D TOP DUE C2	08EN35L3504	50
	EN-35 C/D TOP HIGH FLOW	08EN35L0507	50
	EN-35 C/D TOP COLD Ch3	08EN35L2502	52
	EN-35 C/D TOP COLD DUE C3	08EN35L5002	52
	EN-35 C/D TOP COLD MIRROR	08EN35L2503	52
	EN-35 C/D TOP COLD MIRROR DUE	08EN35L5003	52
	SN-35 C/D ENDURA	08SN35L0013	54
	SN-35 C/D ENDURA DUE	08SN35L3001	54
	SN-35 C/D ENDURA COLD	08SN35L1502	56
	SN-35 C/D ENDURA COLD DUE	08SN35L0004	56
	EN-35 C/D ENDURA	08EN35L0004	58
	EN-35 C/D ENDURA DUE	08EN35L3001	58
	EN-35 C/D ENDURA COLD	08EN35L1503	60
	EN-35 S/D ENDURA COLD MIRROR	08EN35L1505	60
	EN-35 C/D ENDURA COLD DUE	08EN35L0005	60
	EN-35 C/D ENDURA COLD MIRROR DUE	08EN35L2002	60
	EN-35 C/D	08EN35L0003	62
	EN-35 C/D DUE	08E35LAZ31	63
	SN-35 C/D	08SN35LGO00	64
	TRN-35 C/D	08RN35LVE01	65
	EN-35 C/D BG BASIC	08EN35L0011	66
	SN-35 C/D ECOFLOW	08SN35L0008	68
	SN-35 C/D TERMACLICK	08SN35L2003	70
	SN-35 C/D TERMACLICK MIRROR	08SN35L2004	72
	GI-35 C/D	08GI35LBE64	80
	GI-35 C/D L9	08GI35LBE09	82
	GI-35 C/D Z20	08GI35LBE01	82
	GD-35 C/D	08GD35LBE00	86
	JY-35 C/D	08JY35L001	90

MACHINING TIP



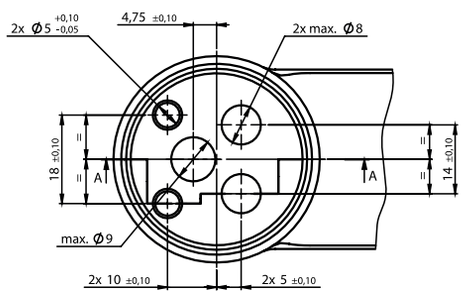


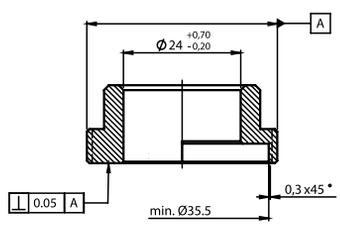


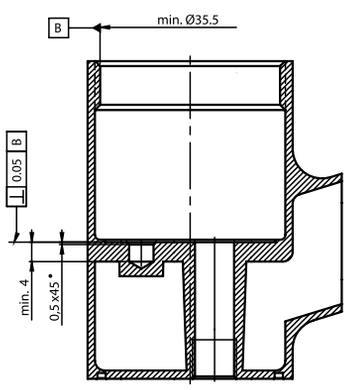
*35,4mm cartridges are assembled in other machining prescription.

DIAMETER	CARTRIDGE	REFERENCE	PAGE
	EN-35 S/D TOP C1	08EN35S0023	50
	EN-35 S/D TOP DUE C2	08EN35S3504	50
	EN-35 S/D TOP HIGH FLOW	08EN35S0507	50
	EN-35 S/D TOP NIEDERDRUCK	08EN35S0506	50
	EN-35 S/D TOP COLD	08EN35S4003	52
	EN-35 S/D TOP COLD DUE C3	08EN35S5002	52
	EN-35 S/D TOP COLD MIRROR	08EN35S2503	52
	EN-35 S/D TOP COLD MIRROR DUE	08EN35S5003	52
	SN-35 S/D ENDURA	08SN35S0013	54
	SN-35 S/D ENDURA DUE	08SN35S3001	54
	SN-35 S/D ENDURA COLD	08SN35S1502	56
	SN-35 S/D ENDURA COLD DUE	08SN35S0004	56
	EN-35 S/D ENDURA	08EN35S0004	58
	EN-35 S/D ENDURA DUE	08EN35S3001	58
	EN-35 S/D ENDURA COLD	08EN35S1503	60
35 mm	EN-35 S/D ENDURA COLD MIRROR	08EN35S1505	60
	EN-35 S/D ENDURA COLD DUE	08EN35S0005	60
	EN-35 S/D ENDURA COLD MIRROR DUE	08EN35S2002	60
	EN-35 S/D	08EN35S0003	62
	EN-35 S/D DUE	08E35FAZ31	63
	SN-35 S/D	08SN35FGO00	64
	TRN-35 S/D	08RN35FVE01	65
	EN-35 S/D BG BASIC	08EN35S0011	66
	SN-35 S/D ECOFLOW	08SN35S0009	68
	SN-35 S/D TERMACLICK	08SN35S2003	70
	SN-35 S/D TERMACLICK MIRROR	08SN35S2004	72
	GI-35 S/D	08GI35FBE64	80
	GI-35 S/D L9	08GI35FBE09	82
	GI-35 S/D Z20	08GI35FBE01	83
		08GD35S0019	84
	GD-35 S/D	08GD35FBE00	86

MACHINING TIP





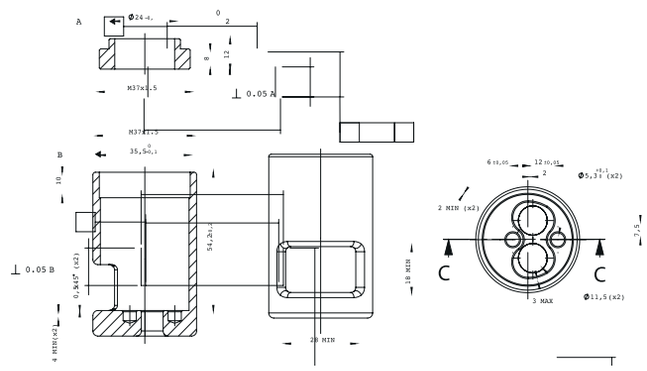


*35,4mm cartridges are assembled in other machining prescription.

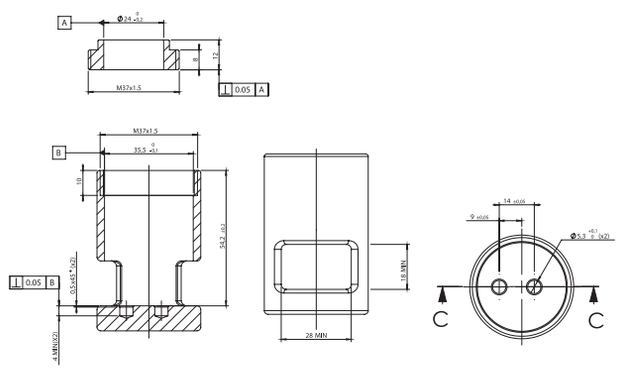
MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

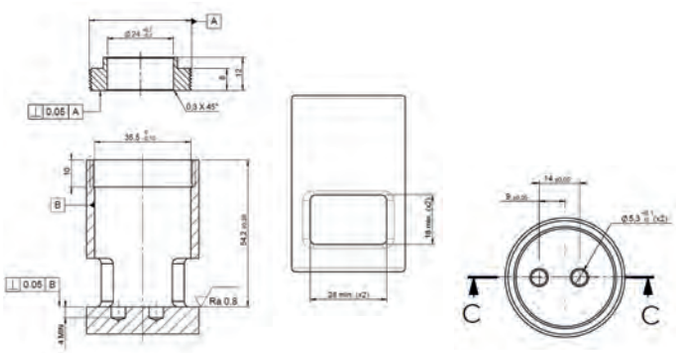
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
35 mm	SN-35 BISO 3	08SN35B0001	74	
	SN-35 BISO 2	08SN35B0002	74	



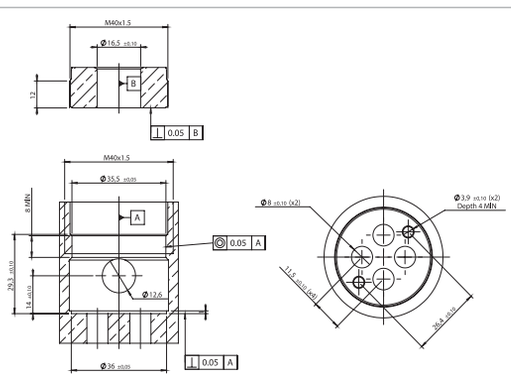
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
35 mm	SN-35 SISO 3	08SN35A0001	76	
	SN-35 SISO 2	08SN35A0002	76	



DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
35 mm	SN-35 SISO STD	08EN35A0003	78	
	SN-35 SISO COLD MIRROR	08EN35A1503	78	

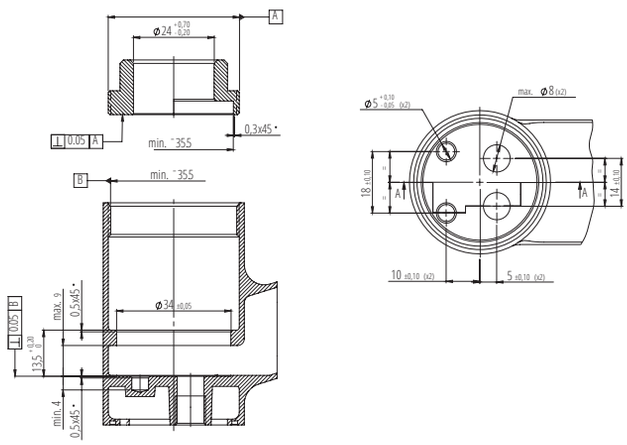


DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
35 mm	GD-35 S/D 4	08GD35S0004	88	



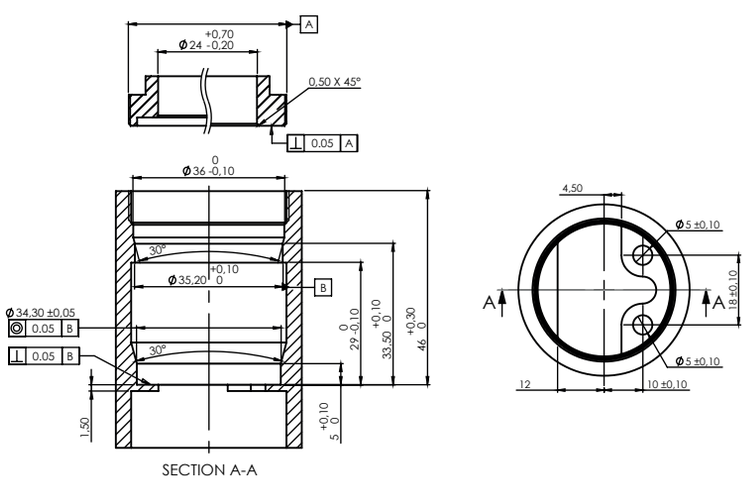
DIAMETER	CARTRIDGE	REFERENCE	PAGE
35 mm	G-35 C/D TOP C1	08G35L0502	92
	G-35 C/D TOP COLD Ch3	08G35L2501	92
	G-35 C/D	08RG35L4602	94
	G-35 C/D DUE	08G35L0002	94
	G-35 C/D COLD	08G35L1501	96

MACHINING TIP



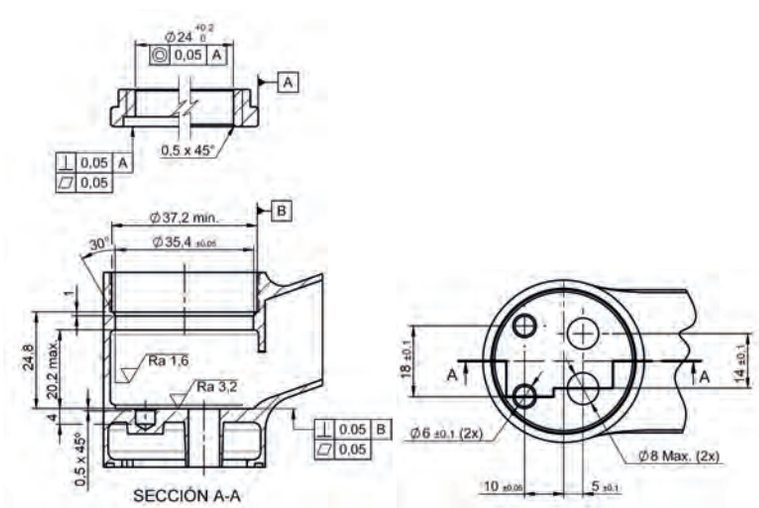
DIAMETER	CARTRIDGE	REFERENCE	PAGE
35 mm	CC-35 C/D TOP C1	08CC35L0501	98
	CC-35 C/D TOP COLD Ch3	08CC35L2501	98
	CC-35	08CC35L0003	100
	CC-35 BASIC	08CC35L0016	100
	CC-35 DUE	08CC35L4502	102

MACHINING TIP



DIAMETER	CARTRIDGE	REFERENCE	PAGE
35 mm	EX-35 TOP C1	08EX35L0504	104
	EX-35 TOP DUE C2	08EX35L3502	104
	EX-35 TOP COLD Ch3	08EX35L2502	106
	EX-35 TOP COLD DUE C3	08EX35L5003	106
	EX-35 TRN	08EX35S0001	108
	EX-35 TRN DUE	08EX35S3501	110

MACHINING TIP



*35,4mm cartridges are assembled in other machining prescription.



40MM CARTRIDGES

FOR SINGLE LEVER FAUCETS

THEDRA

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		THEDRA	✓	✓	CD SD	08SN40L0001 08SN40S0001	118
		DUE	✓	-	CD SD	08SN40L3001 08SN40S3001	118
		NIEDERDRUCK	✓	-	SD	08SN40S0007	118
		COLD	✓	✓	CD SD	08SN40L1501 08SN40S1501	120
		COLD DUE	✓	✓	CD SD	08SN40L5501 08SN40S5501	120

STANDARD

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
E & EN		EN-40	-	-	CD SD	08EN40LAZ00 08EN40FAZ00	122
		E-40 DUE	-	-	SD	08E40FAZ30	123
		E-40 C1	-	-	CD SD	08EN40L1002 08EN40S1002	124
		E-40 C2	-	-	CD SD	08EN40L3005 08EN40S3005	125
		EN-40 COLD DUE	-	-	CD SD	08EC40L3003 08EC40S3003	126
		EN-40 COLD MIRROR DUE	-	-	CD SD	08EC40L2001 08EC40S2001	128
SN		SN-40	-	-	CD SD	08SN40LAZ00 08SN40SAZ00	130
TRN		TRN-40	✓	✓	CD SD	08RN40LVE00 08RN40FVE00	131

BASIC

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
BASIC		BG BASIC	-	-	CD SD	08DN40LBG01 08DN40FBG01	132

ECOFLOW

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
SN		SN-40	-	-	CD SD	08SN40L0003 08SN40S0004	134

HIGH FLOW

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
40MM		GC-40	✓	✓	CD SD	08GC40L0001 08GC40S0001	136
		GC-40 DUE	✓	-	CD SD	ON DEMAND ON DEMAND	138
45MM		GC-45	-	-	SD	08GC45FBE00	140

SPECIALS

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
REVOLVING		GI-40 L10 TR	✓	-	CD SD	08GI40LBE64 08GI40FBE64	142
		GI-40 Z20	-	-	CD SD	08GI40LBE00 08GI40FBE00	144
		GI-40 L10	-	-	CD SD	08GI40LBE10 08GI40FBE10	145
DIVERTER		GD-40	-	-	SD	08GD40S0001	146
JOYSTICK		JY-40	-	-	CD SD	08JY40LBE00 08JY40FBE00	148
PB		PB-40	✓	✓	CD	08PB40L0001	150

UPPER SEALING

			TEMP. LIMITER	FLOW LIMITER		CODE	PG
UPPER SEAL.		G-40	✓	✓	CD	08G40LBE00	152
		G-40 DUE	✓	✓	CD	08G40LBE30	152
COMPACT		EX-40	✓	✓	CD	08EX40S0001	154
		EX-40 DUE	✓	✓	CD	08EX40S3001	154

SN-40 THEDRA
STANDARD | DUE

DESCRIPTION

40mm cartridge with a unique clean and smart design that confers an undeniable ability to withstand the most extreme working conditions and requests: compression, torque, handle load, burst and x2 life cycles, granting smooth but firm user operation thanks to Glide Feel Technology. It also includes TR and TRN versions.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

FLOW LIMITER
Limit maximum water flow for water saving.

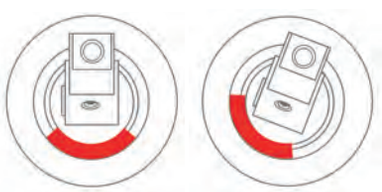
ADVANTAGES

- *SN TECHNOLOGY*
  Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).
- *CHALLENGE, TECHNOLOGY*
  Careful design, ceramic expertise, several smart technologies, high performance materials and extraordinarily precise components are used to build the new THEDRA cartridges.
- *GREAT RANGE. GREATER POSSIBILITIES*
  THEDRA valve range provides more than 20 different combinations for the manufacturers to develop their products.
- *OUT OF SOLID ROCK*
  THEDRA is designed according to the roughest manufacturer's technical requests.
- *ENJOY THE SILENCE*
  THEDRA is NF Class I compliant, featuring Sedal's Noise Cancelling Technology.
- *DOUBLE LIFE-CYCLE*
  The new THEDRA cartridge has 2 times ASME life cycles thanks to SedalOX™ 96.
- *UNEQUAL DESIGN, UNEQUAL RESULTS*
  THEDRA was granted with reddot award in 2016.
- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

Thedra cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.



position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

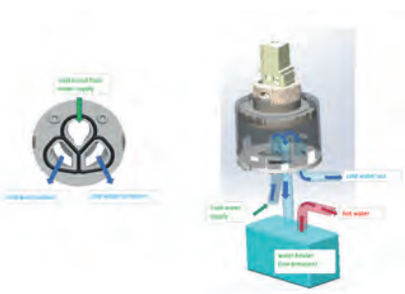
TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.

- *NIEDERDRUCK*

Niederdruck is a popular system in Germany that uses a small heater below the sink requiring a single cold water inlet and using the cartridge in a different configuration than usual.



SN-40 C/D

THEDRA

REF. 08SN40L0001



DOWNLOAD DATA SHEET

SN-40 S/D

THEDRA

REF. 08SN40S0001



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

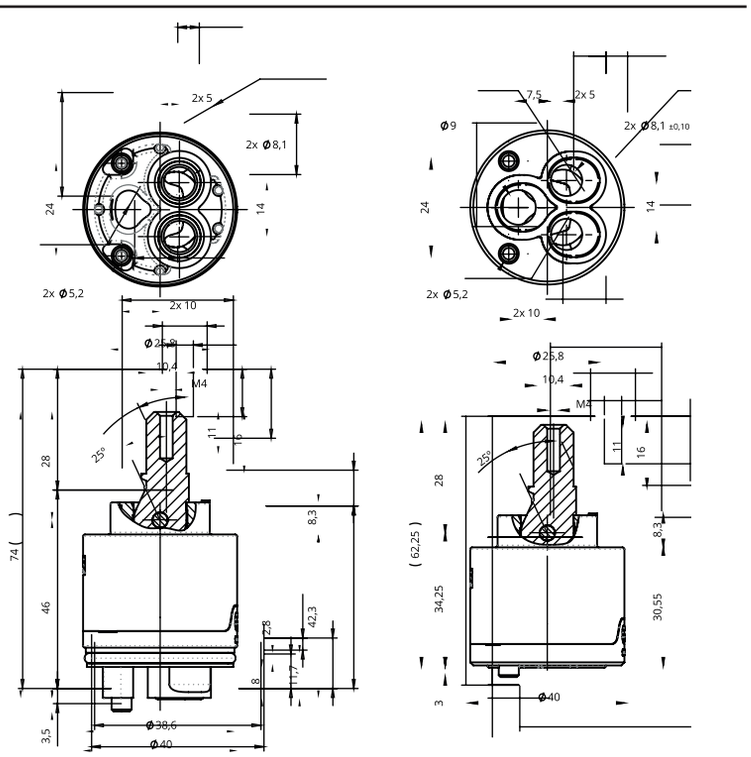


KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	CD	SD
THEDRA TR	REF.08SN40L0501	REF. 08SN40S0501
THEDRA TRN	REF.08SN40L4501	REF. 08SN40S4501
THEDRA Niederdruck[(1)]	-	REF. 08SN40S0007
THEDRA DUE	REF.08SN40L3001	REF.08SN40S3001
THEDRA DUE TR	REF.08SN40L3501	REF.08SN40S3501
THEDRA DUE TRN	on demand	on demand

DIMENSIONS



* Find machinig requirements on pages 156-159

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>10-12 mm	>10-12 mm
Fidelity	<3º	<3º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Noise level	C/D	S/D
Noise level	<20 dB	<20 dB

Flow rate (free flow)	C/D	S/D
at 0.2 bar	8.3 l/min	7.6 l/min
at 1 bar	18.3 l/min	16.6 l/min
at 3 bar	31.5 l/min	28.6 l/min
at 5 bar	40.1 l/min	37 l/min
at 3 bar (Niederdruck[1])	-	14.8 l/min

-Hammer test **NF-077**.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-40 THEDRA
COLD | COLD DUE

DESCRIPTION

40mm cartridge with a unique clean and smart design that confers an undeniable ability to withstand the most extreme working conditions and requests: compression, torque, handle load, burst and x2 life cycles, granting smooth but firm user operation thanks to Glide Feel Technology. This cartridge opens in cold position and has TR and TRN versions available.

FEATURES

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

FLOW LIMITER
Limit maximum water flow for water saving.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

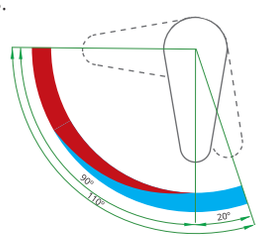
ADVANTAGES

ADDITIONAL FEATURES

SN-40 Thedra Cold has the same advantages than SN-40 Thedra, but with cold technology as an additional feature.

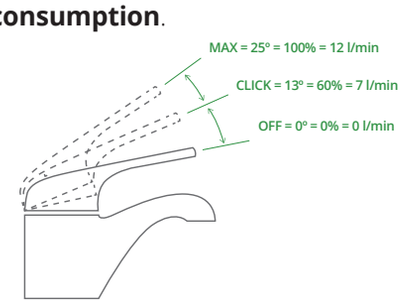
COLD TECHNOLOGY

The lever is in cold position by default, **saving up to 10% from the household energy consumption** related to plumbing products.



DUE TECHNOLOGY

Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



VERSIONS WITH LIMITERS

TEMPERATURE LIMITER FUNCTION (TR)

Thedra cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN


21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



SN-40 C/D

THEDRA COLD

REF. 08SN40L1501



DOWNLOAD DATA SHEET

SN-40 S/D

THEDRA COLD

REF. 08SN40S1501



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

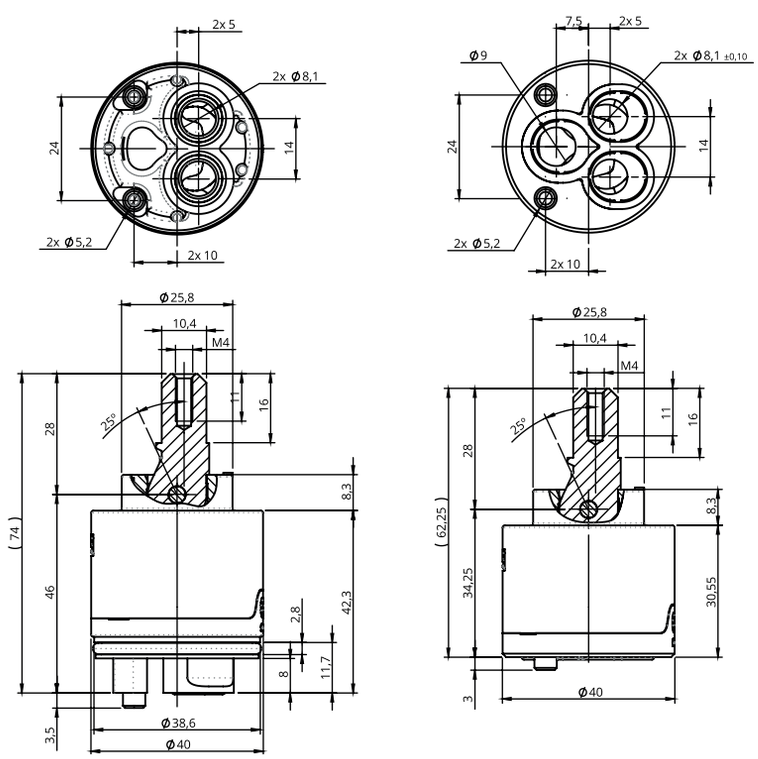


KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

	CD	SD
THEDRA COLD TR	REF.08SN40L2501	REF.08SN40S2501
THEDRA COLD TRN	REF. 08SN40L4001	REF.08SN40S4001
THEDRA COLD DUE	REF. 08SN40L5501	REF. 08SN40S5501
THEDRA COLD DUE TR	REF. 08SN40L5001	REF. 08SN40S5001
THEDRA COLD DUE TRN	REF. 08SN40L5501	REF. 08SN40S5501

DIMENSIONS



* Find machinig requirements on pages 156-159

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	110°	110°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	>10-12 mm	>10-12 mm
Fidelity	<3°	<3°
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Noise level	C/D	S/D
Noise level	<20 dB	<20 dB

Flow rate (free flow)	C/D	S/D
at 0.2 bar	4.4 l/min	4 l/min
at 1 bar	8.1 l/min	7.5 l/min
at 3 bar	14.2 l/min	13.3 l/min
at 5 bar	16.5 l/min	15.4 l/min

-Hammer test **NF-077**.

FLOW RATE FIGURES AT COLD POSITION

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

STANDARD
CARTRIDGES

EN-40 C/D
REF.08EN40LAZ00



DOWNLOAD DATA SHEET

EN-40 S/D
REF.08EN40FAZ00



DOWNLOAD DATA SHEET

DESCRIPTION

Standard 40 mm cartridge.cartridge.

ADVANTAGES

Classic standard cartridge of Sedal.

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

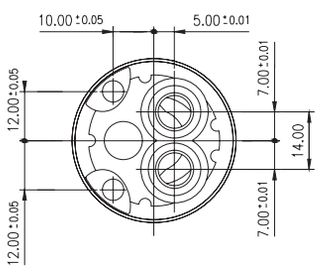


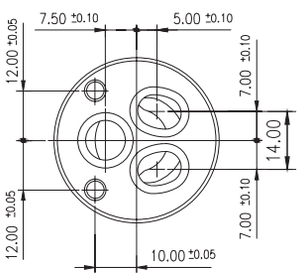
BATH-SHOWERS
Specially designed for bath showers.

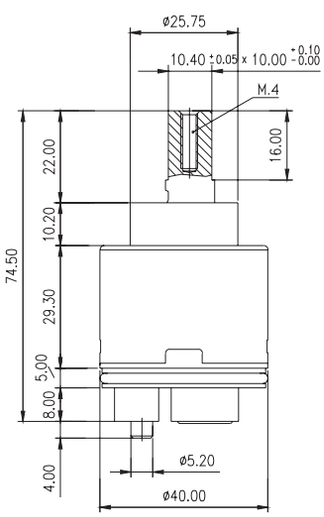


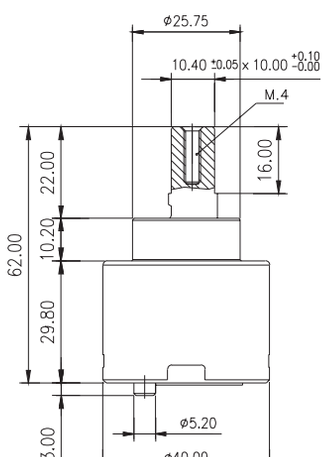
KITCHENS
Suitable for use in kitchens.

DIMENSIONS









* Find machinig requirements on pages 150-153.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	100°	100°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	55-65 bar	55-65 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity	15-17 mm	16-17 mm
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	0.5 - 1.7 °C	0.8 - 1.7 °C
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	10.6 l/min	10.4 l/min
at 1 bar	15 l/min	14.7 l/min
at 3 bar	26 l/min	25.5 l/min
at 5 bar	33.4 l/min	32.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

E-40 S/D

DUE

REF.08E40FAZ30 CT



DOWNLOAD DATA SHEET

DESCRIPTION

Standard 40mm cartridge with DUE technology.

FEATURES

ECO
Environmental sustainability features.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke.

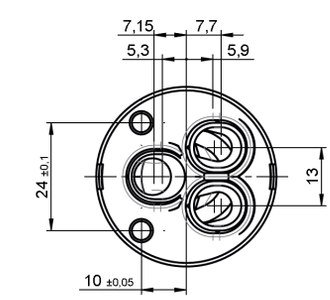
ADVANTAGES

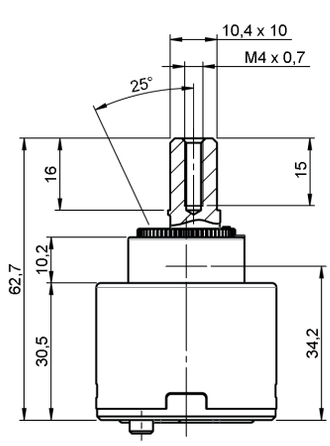
The lever is in cold position by default, saving up to 10% from the household energy consumption related to plumbing products.

RECOMMENDED APPLICATIONS



DIMENSIONS





CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12Nm
Opening angle	25°
Rotation angle	100°
Working pressure (recommended)	1 - 5 bar
Burst pressure	≥55 bar
Life cycle - EN 817 ASME 112.18.1 M	175,000 cycles 500,000 cycles
Sensitivity	-
Max. hot water*	90 °C

Operation Torque	S/D
Open-close	0.20 - 0.50 Nm
Turn left-right	0.20 - 0.50 Nm

Flow rate (free flow)	S/D
at 3 bar	21.3l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

STANDARD
CARTRIDGES

E-40 C/D C1

REF.08EN40L1002



DOWNLOAD DATA SHEET

E-40 S/D C1

REF. 08EN40S1002



DOWNLOAD DATA SHEET

DESCRIPTION

Standard 40mm cartridge

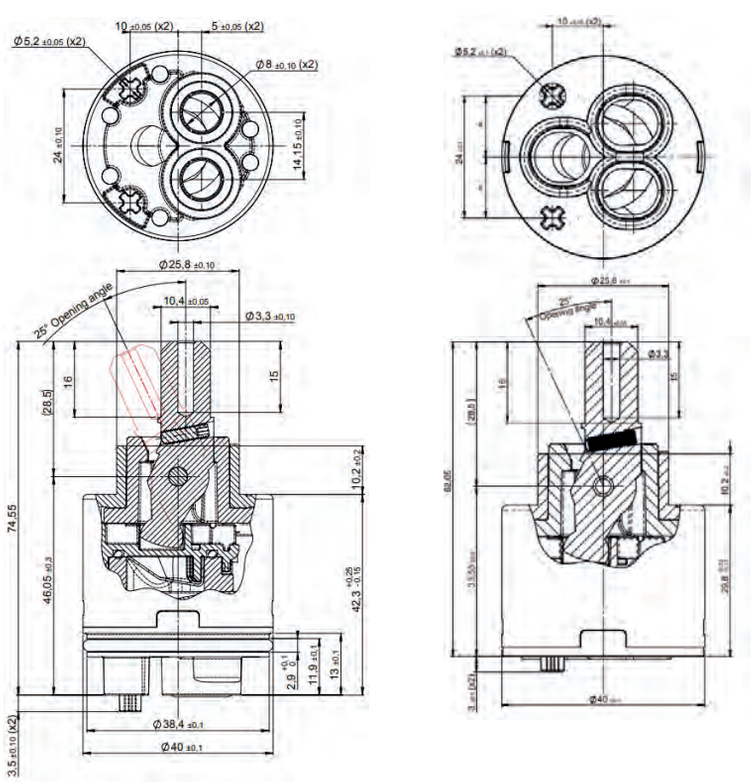
ADVANTAGES

NF C1 (ECAU) requirements met.

RECOMMENDED APPLICATIONS



DIMENSIONS



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	110°	110°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	> 50 bar	> 0 bar
Water hammer test	ECAU NF 077	ECAU NF 077
Life cycle - NF-077(U3)	175,000 cycles	175,000 cycles
Sensitivity (r=54mm)	>12mm	>12mm
Max. hot water*	60 - 65 °C	60 - 65 °C

Operation Torque	C/D	S/D
Open-close	0.40-0.50 Nm	0.40-0.50 Nm
Turn left-right	0.40-0.50 Nm	0.40-0.50 Nm

Flow rate (free flow)	C/D	S/D
at 3 bar	27,5 l/min	25.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 150-153

E-40 C/D C2

REF.08EN40L3005



DOWNLOAD DATA SHEET

E-40 S/D C2

REF. 08EN40S3005



DOWNLOAD DATA SHEET

DESCRIPTION

Standard cartridge with water saving (DVE) technology.

FEATURES

ECO
Environmental sustainability features.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke.

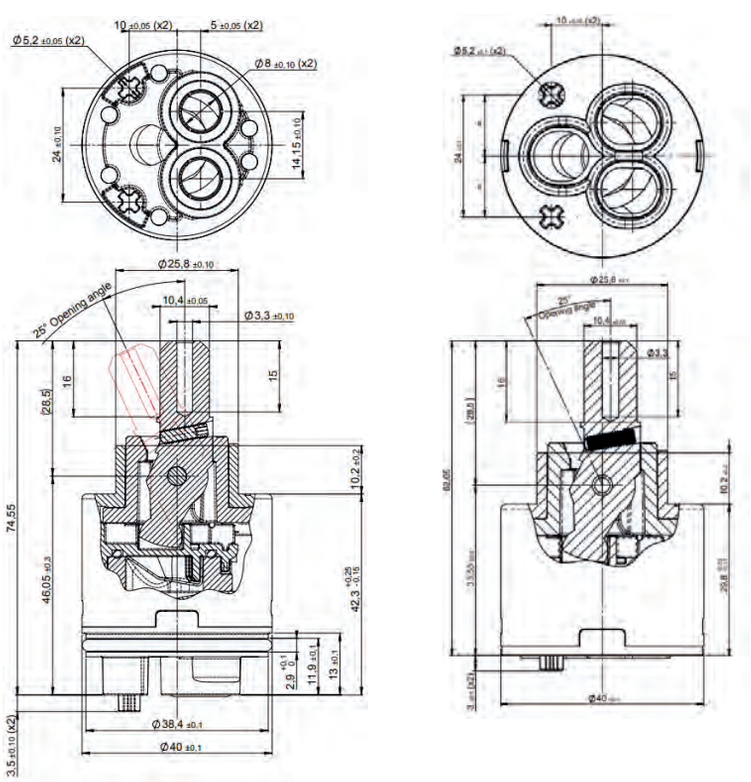
ADVANTAGES

NF C2 (ECAU) Requeriments are met

RECOMMENDED APPLICATIONS



DIMENSIONS



CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	110°	110°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	> 50 bar	> 0 bar
Water hammer test	ECAU NF 077	ECAU NF 077
Life cycle - NF-077(U3)	175,000 cycles	175,000 cycles
Sensitivity (r=54mm)	>12mm	>12mm
Max. hot water*	60 - 65 °C	60 - 65 °C

Operation Torque	C/D	S/D
Open-close	0.40-0.50 Nm	0.40-0.50 Nm
Turn left-right	0.40-0.50 Nm	0.40-0.50 Nm

Flow rate (free flow)	C/D	S/D
at 3 bar	27,5 l/min	25.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

STANDARD
EN-40 COLD DUE

DESCRIPTION

Standard 40mm cartridge meeting NF C3 (ECAU) Requeriments

FEATURES

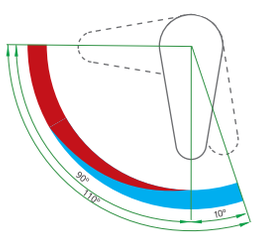
ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

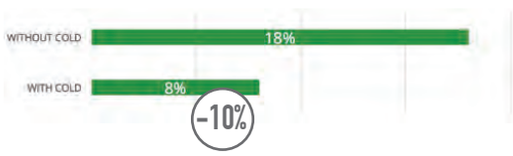
COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

ADVANTAGES

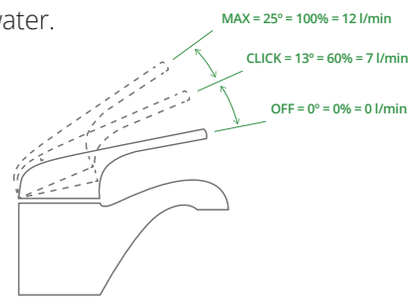
- *COLD TECHNOLOGY*
  The lever is in cold position by default, saving up to 10% from the household energy consumption related to plumbing products.



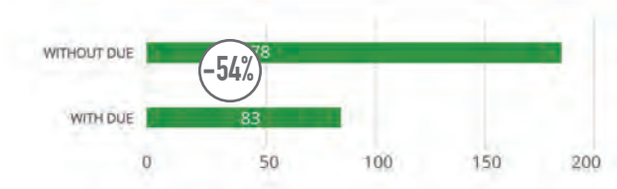
HOUSEHOLD ENERGY CONSUMPTION RELATED TO CARTRIDGES IN %



- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows saving water.



DAILY AVERAGE WATER CONSUMPTION PER PERSON -FAUCETS & SHOWERS - IN LITERS



EN-40 C/D

EC-40 COLD DUE

REF.08EC40L3003



DOWNLOAD DATA SHEET

EN-40 S/D

EC-40 COLD DUE

REF. 08EC40S3003



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

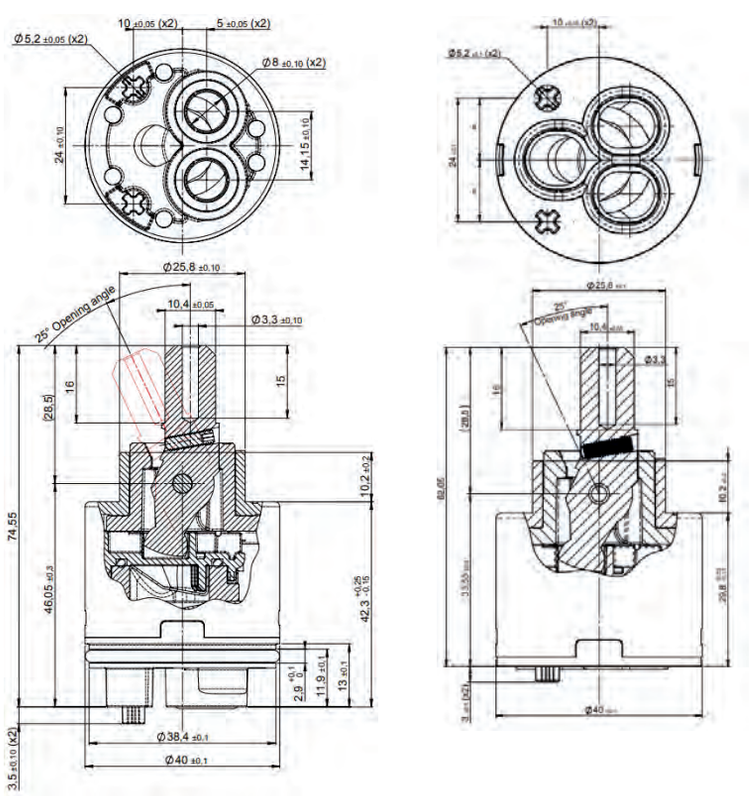


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	100°	100°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>30 bar	>30 bar
Life cycle NF-077 (U3)	175,000 cycles	175,000 cycles
Sensitivity (r=45 mm) NF-077	>10 mm	>10 mm
Fidelity NF-077	<5°	<5°
Max. hot water*	60-65 °C	60-65 °C

Operation Torque	C/D	S/D
Open-close	0.40-0.50 Nm	0.40-0.50 Nm
Turn left-right	0.40-0.50 Nm	0.40-0.50 Nm

Flow rate (free flow)	C/D	S/D
at 0,5 bar	4,7 l/min	4,3 l/min
at 1 bar	6,6 l/min	6,3 l/min
at 3 bar	11,8 l/min	11,4 l/min
at 5 bar	15 l/min	14,7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

STANDARD
EN-40 COLD MIRROR DUE

DESCRIPTION

Standard 40mm cartridge with C3 technology and mirror base to make it easier to fit in Kitchens, avoiding the handle touching the wall.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

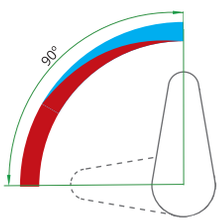
DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

MIRROR
Movement from right to left o obtain hot water.

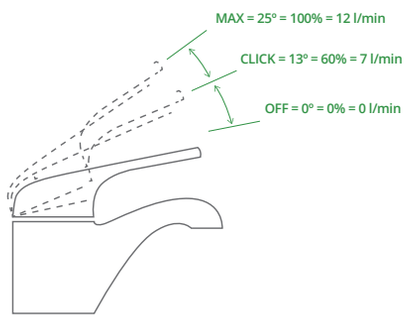
ADVANTAGES

- *COLD TECHNOLOGY*
  The lever is in cold position by default, saving up to 10% from the household energy consumption related to plumbing products.



- *SPECIALLY DESIGNED FOR KITCHEN APPLICATIONS*
  Mirror version has been specifically designed for kitchen applications, avoiding the inconvenience of the handle touching the wall.

- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows saving water.





EN-40 C/D

EC-40 COLD MIRROR DUE

REF.08EC40L2001



DOWNLOAD DATA SHEET

EN-40 S/D

EC-40 COLD MIRROR DUE

REF. 08EC40S2001



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Suitable for vertical configuration washbasins

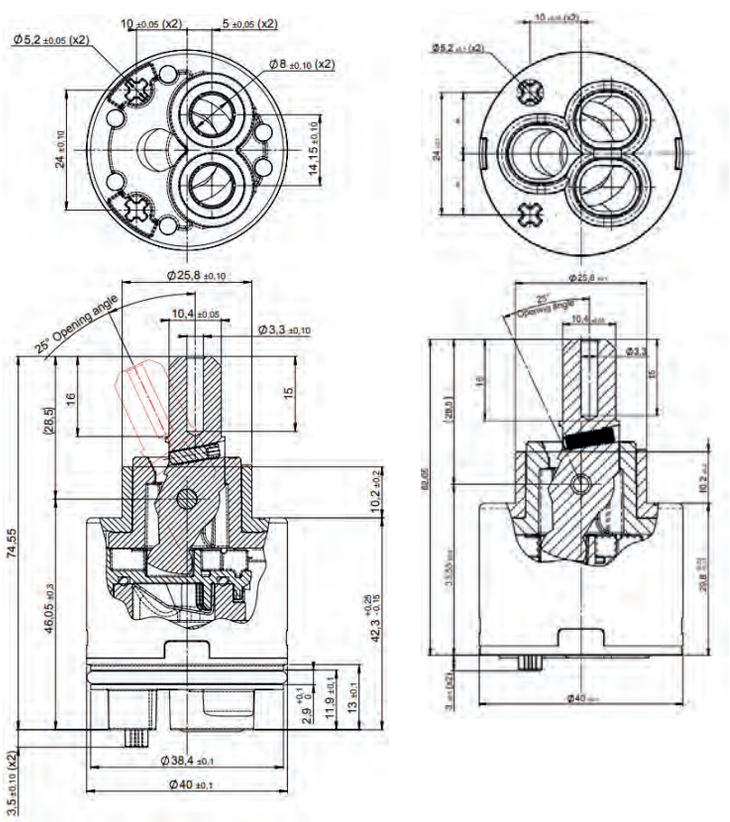


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS NF

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	23º	23º
Rotation angle	110º	110º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity NF-077	>12º angle	>12º angle
Fidelity NF-077	<2ºC	<3ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.50 Nm	0.20-0.50 Nm
Turn left-right	0.20-0.50 Nm	0.20-0.50 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	8.4 l/min	7.6 l/min
at 1 bar	12 l/min	11 l/min
at 3 bar	20.8 l/min	20 l/min
at 5 bar	27 l/min	26.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

STANDARD
CARTRIDGES

SN-40 C/D

REF.08SN40LAZ00



DOWNLOAD DATA SHEET

SN-40 S/D

REF.08SN40FAZ00



DOWNLOAD DATA SHEET

DESCRIPTION

40 mm cartridge.

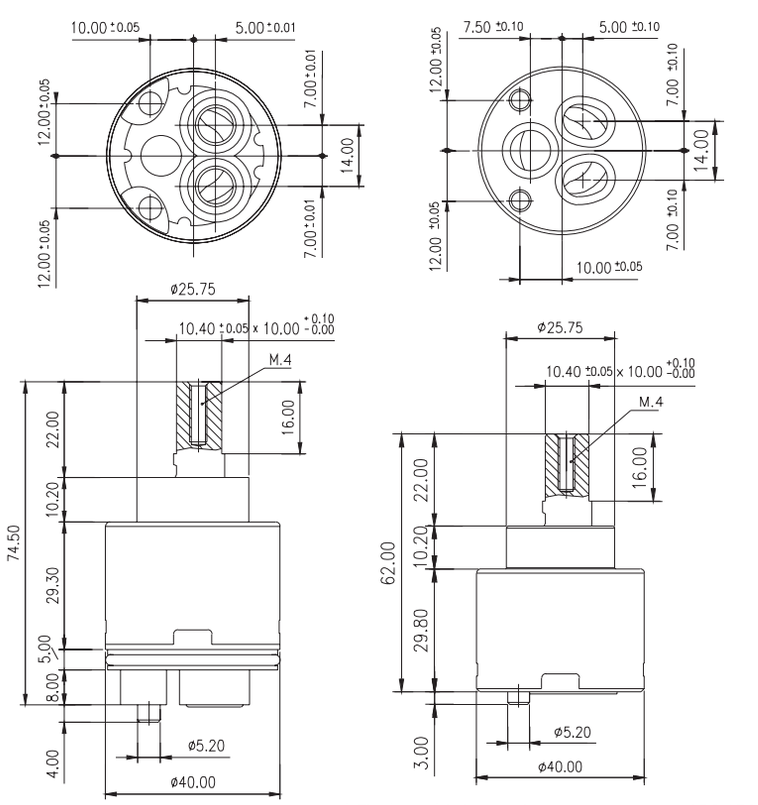
ADVANTAGES

The classic standard cartridge with SN technology. Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).

RECOMMENDED APPLICATIONS



DIMENSIONS



* Find machinig requirements on pages 156-159

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	CD	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	72 bar	68-77 bar
Life cycle - EN 817 GB18145	70,000 cycles 70,000 cycles	70,000 cycles 70,000 cycles
Sensitivity	10º-12º angle	13º-15º angle
Fidelity	-	4.5 ºC
Max. hot water	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	11 l/min	11.1 l/min
at 1 bar	15.4 l/min	15.5 l/min
at 3 bar	26.4 l/min	26.8 l/min
at 5 bar	34.3 l/min	34.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

TRN-40 C/D

REF.08RN40LVE00



DOWNLOAD DATA SHEET

TRN-40 S/D

REF.08RN40FVE00



DOWNLOAD DATA SHEET

DESCRIPTION

40 mm cartridge.

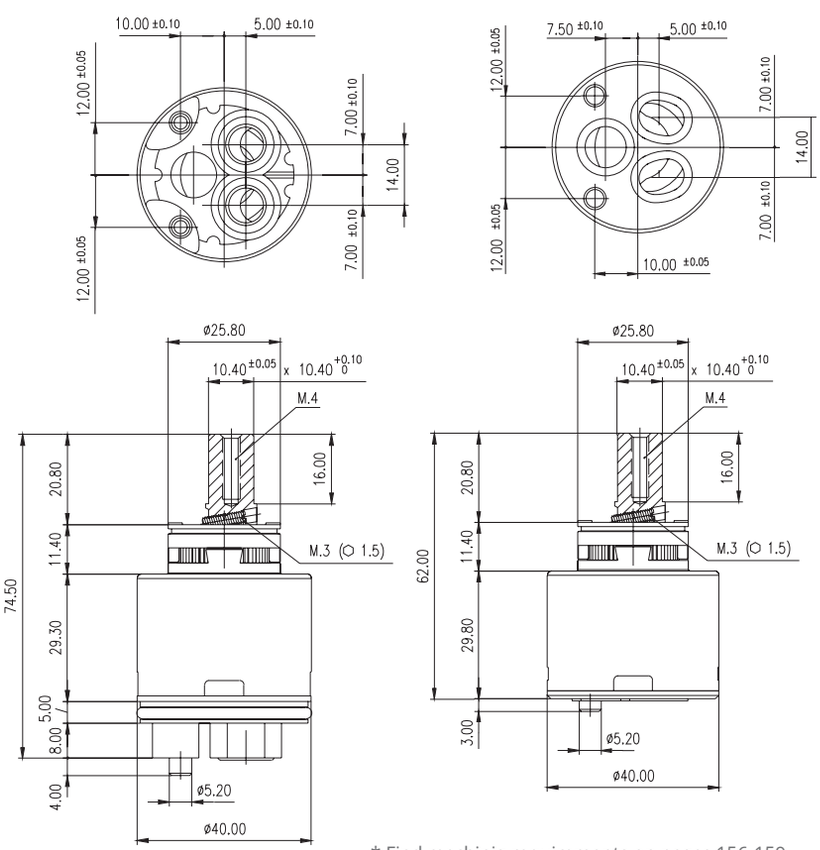
ADVANTAGES

Sedal standard cartridge includes flow and temperature limiters to save water and energy, offering an environmental sustainability feature.

RECOMMENDED APPLICATIONS



DIMENSIONS



* Find machinig requirements on pages 156-159

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	60-72 bar	55-65 bar
Life cycle - EN 817 GB18145	70,000 cycles 70,000 cycles	70,000 cycles 70,000 cycles
Sensitivity	8º-10º angle	9.6º -9.7º angle
Fidelity	3ºC	-
Max. hot water	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.35-0.40 Nm	0.35-0.40 Nm
Turn left-right	0.35-0.40 Nm	0.35-0.40 Nm

Flow rate (free flow)	CD	SD
at 0.5 bar	10.4 l/min	10.2 l/min
at 1 bar	14.5 l/min	14.5 l/min
at 3 bar	25.4 l/min	25 l/min
at 5 bar	32.8 l/min	32.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

BASIC
CARTRIDGES

DESCRIPTION

40mm basic cartridge with ACS certification and available with and without distributor. This Sedal valve is specially designed for washbasins, bath-showers and kitchen faucets.

ADVANTAGES

Entry-level product with Sedal high-reliability.

DN-40 C/D

BG BASIC

REF. 08DN40LBG01



DOWNLOAD DATA SHEET

DN-40 S/D

BG BASIC

REF. 08DN40FBG01



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

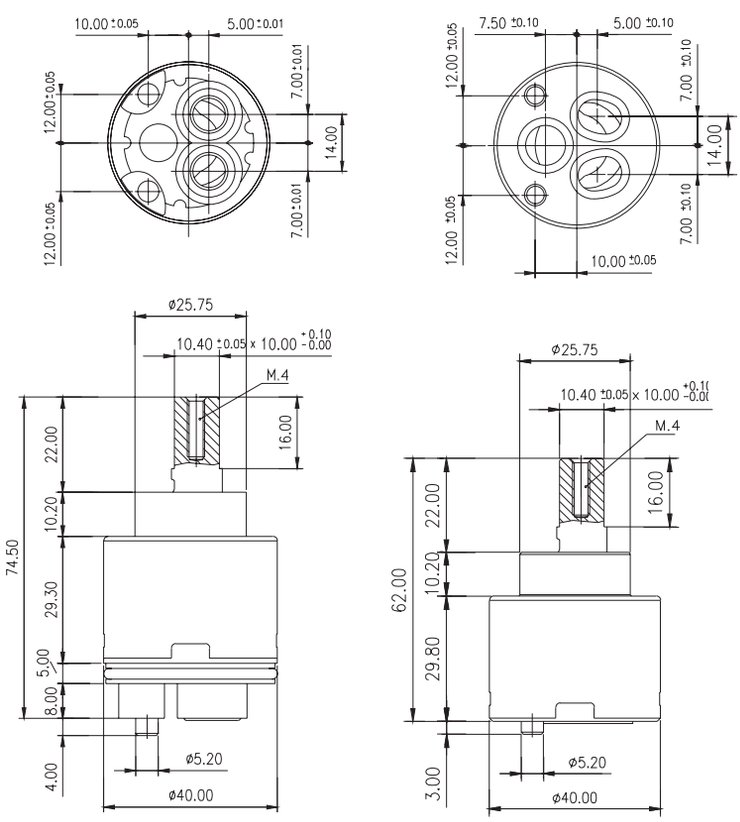


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

ACS

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	35 bar	35 bar
Life cycle - EN 817 ASME 118.12.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	15º-17º angle	16º-17º angle
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<0.5ºC - <1.7ºC	<0.8ºC - <1.7ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.35-0.40 Nm	0.35-0.40 Nm
Turn left-right	0.35-0.40 Nm	0.35-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	10.6 l/min	10.4 l/min
at 1 bar	15 l/min	14.7 l/min
at 3 bar	26 l/min	25.5 l/min
at 5 bar	33.4 l/min	32.7 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

SN-40
CARTRIDGES

DESCRIPTION

Ecoflow cartridges have been designed for applications where a low flow is required to fulfill the latest standards and market trends. The low flow that a manufacturer would normally reach with the use of restrictors, can reached by using the Ecoflow cartridge with an aireator, suppressing the negative effects of the current solutions.The Ecoflow 40 is specifically designed to deliver 7.7 liters @3 bar without using restrictors. It also includes a clutch for a perfect operational feel and a high maximum torque resistance to withstand harsh environments.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

REGULATIONS
This cartridge is optimized according to WaterSense and Water Label requirements.

RESTRICTOR
The cartridge includes itself a restrictor that reduces the flow rate to save water.

ADVANTAGES

- *SN TECHNOLOGY*
  Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life)

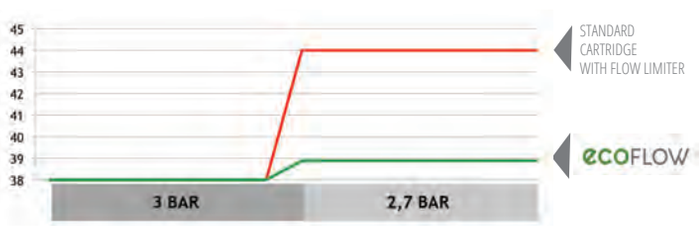
- *IMPROVED FLOW-RATE VS HANDLE STROKE*
  Existing solutions offer a very limited opening stroke to regulate the flow. With ECOFLOW, the entire stroke is available.



STANDARD CARTRIDGE
MAX. FLOW: 6/L MIN WITH LIMITER

ECOFLOW CARTRIDGE
MAX. FLOW: 6/L MIN WITH ECOFLOW

- *REDUCES TEMPERATURE FLUCTUATION*
  When using a flow limiter in the spout combined with standard cartridges, the user can experience strong changes in water temperature. The new ECOFLOW Tech valves provide an excellent temperature stability in front of pressure variations in cold and hot water supply lines at low flow rates.



VARIATION OF +0,3 BAR IN HOT WATER INLET

- *THE USAGE OF A RESTRICTOR IS OPTIONAL*
  The flow rate reduction is carried out at the right place. With ECOFLOW the usage of a limiter or restrictor is optional.

SN-40 C/D

ECOFLOW

REF.08SN40L0003



DOWNLOAD DATA SHEET

SN-40 S/D

ECOFLOW

REF.08SN40S0004



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



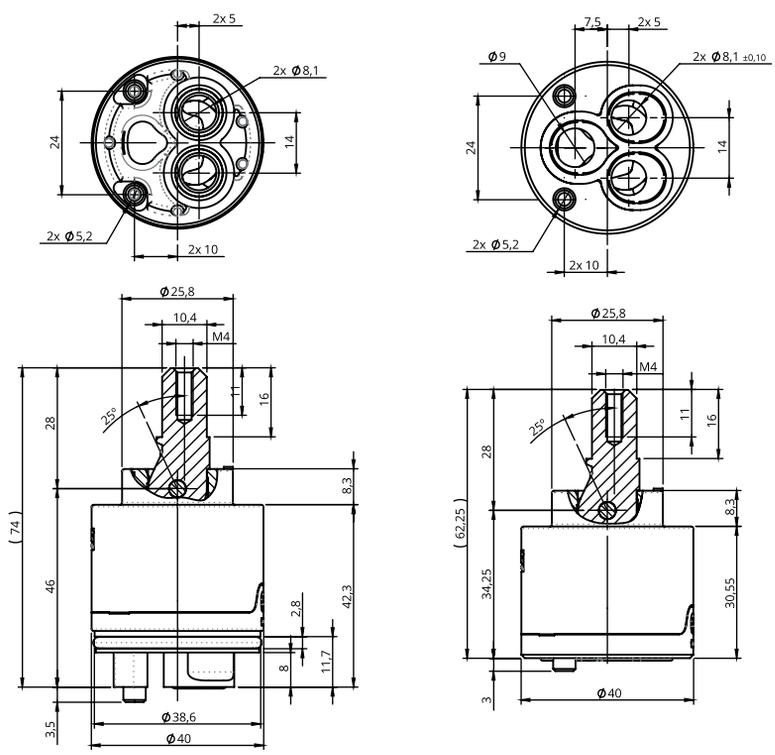
KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

* Optimised for WaterSense and WaterLabel

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>70-80 bar	>60-70 bar
Life cycle - EN 817 ASME 112.18.1 M GB18145	70,000 cycles 500,000 cycles 70,000 cycles	70,000 cycles 500,000 cycles 70,000 cycles
Sensitivity	>11-13 mm	>11-13 mm
Fidelity	<3º	<3º
Constant 63 ºC & 50 ºC (6 l/min - 3 l/min)	<4ºC - <6ºC	<4ºC - <6ºC
Max. hot water*	90 ºC	90 ºC
Operation Torque	**C/D**	**S/D**
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.1 bar	1.5 l/min	1.5 l/min
at 1 bar	4.5 l/min	4.5 l/min
at 3 bar	7.7 l/min	7.7 l/min
at 5 bar	9.6 l/min	9.6 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

HIGH FLOW
GC-40 THEDRA

DESCRIPTION

40mm high flow cartridge with a unique clean and smart design that confers an undeniable ability to withstand the most extreme working conditions and requests: compression, torque, handle load, burst and x2 life cycles, granting smooth but firm user operation thanks to Glide Feel Technology.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

FLOW LIMITER
Limit maximum water flow for water saving.

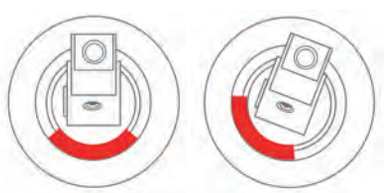
ADVANTAGES

- *SN TECHNOLOGY*
  Ceramics discs do not move in close position providing a unique smoothness of operation and higher durability (up to 20% longer life).
- *CHALLENGE, TECHNOLOGY*
  Careful design, ceramic expertise, several smart technologies, high performance materials and extraordinarily precise components are used to build the new THEDRA cartridges.
- *GREAT RANGE. GREATER POSSIBILITIES*
  THEDRA valve range provides more than 20 different combinations for the manufacturers to develop their products.
- *OUT OF SOLID ROCK*
  THEDRA is designed according to the roughest manufacturer's technical requests.
- *ENJOY THE SILENCE*
  THEDRA is NF Class I compliant, featuring Sedal's Noise Cancelling Technology.
- *DOUBLE LIFE-CYCLE*
  The new THEDRA cartridge has 2 times ASME life cycles thanks to SedalOX™ 96.
- *UNEQUAL DESIGN, UNEQUAL RESULTS*
  THEDRA was granted with reddot award in 2016.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

GC-40 Thedra cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.


45° TURN 21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



GC-40 C/D

THEDRA

REF. 08GC40L0001



DOWNLOAD DATA SHEET

GC-40 S/D

THEDRA

REF. 08GC40S0001



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

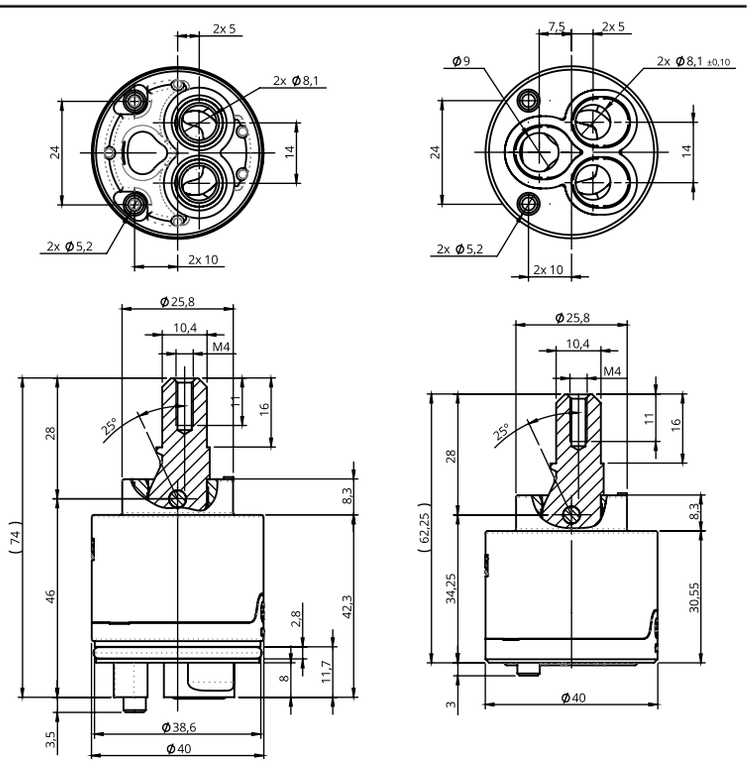
OTHER VERSIONS

	CD	SD
Temperature limiter (TR)	REF.08GC40L0501	REF.08GC40S0501
Temperature & flow limiter (TRN)	REF.08GC40L4501	REF. 08GC40S4501

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	10-13º angle	10-13º angle
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	8.9 l/min	8.1 l/min
at 1 bar	20 l/min	17.4 l/min
at 3 bar	34.4 l/min	30.4 l/min
at 5 bar	42.8 l/min	39.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

HIGH FLOW
GC-40 THEDRA DUE

DESCRIPTION

40mm cartridge with a unique clean and smart design that confers an undeniable ability to withstand the most extreme working conditions and requests: compression, torque, handle load, burst and x2 life cycles, granting smooth but firm user operation thanks to Glide Feel Technology. It includes DUE technology for water saving and TR version.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

SOFT
Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

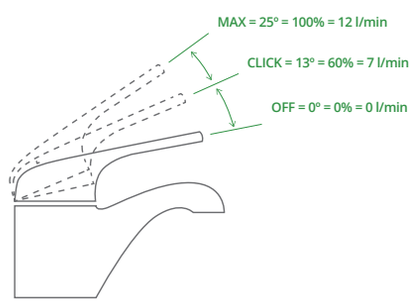
ADVANTAGES

- *ADDITIONAL FEATURES*

  GC-40 Thedra Due has the same advantages than GC-40 Thedra, but with due technology as an additional feature.

- *DUE TECHNOLOGY*

  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows **saving up to 54% of daily water consumption**.



GC-40 C/D

THEDRA DUE

REF. on demand



DOWNLOAD DATA SHEET

GC-40 S/D

THEDRA DUE

REF. on demand



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

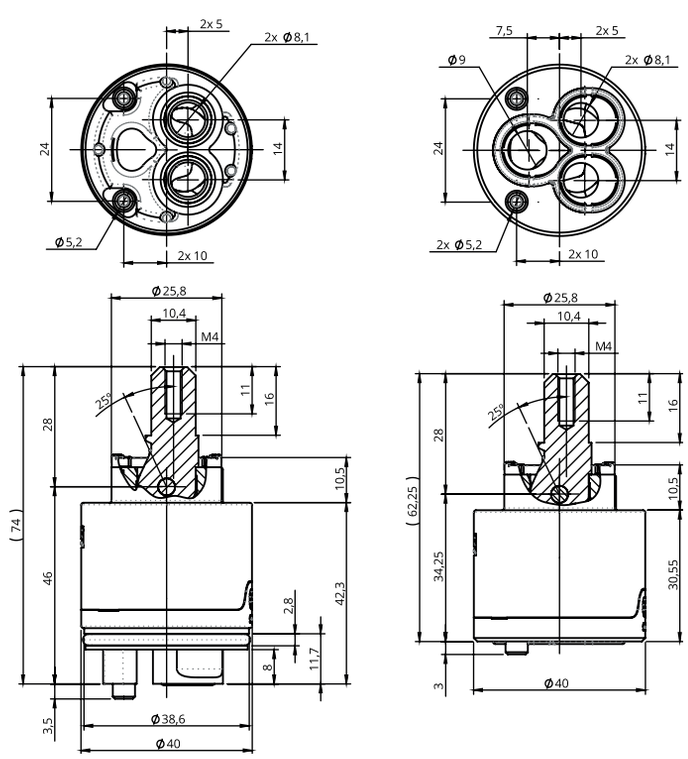


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	25º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	60-70 bar	60-70 bar
Life cycle - EN 817 NF U3 x2 ASME x2 GB18145	175,000 cycles 1,000,000 cycles 140,000 cycles	175,000 cycles 1,000,000 cycles 140,000 cycles
Sensitivity	10-13º angle	10-13º angle
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.20-0.40 Nm	0.20-0.40 Nm
Turn left-right	0.20-0.40 Nm	0.20-0.40 Nm

Flow rate (free flow)	C/D	S/D
at 0.2 bar	8.9 l/min	8.1 l/min
at 1 bar	20 l/min	17.4 l/min
at 3 bar	34.4 l/min	30.4 l/min
at 5 bar	42.8 l/min	39.2 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

HIGH FLOW
GC-45

GC-45 S/D

REF. 08GC45FBE00



DOWNLOAD
DATA SHEET

DESCRIPTION

45mm high flow cartridge.

FEATURES

SOFT

Up to 40% softer lever operation than standard cartridges thanks to a clutched ceramic operation design.

ADVANTAGES

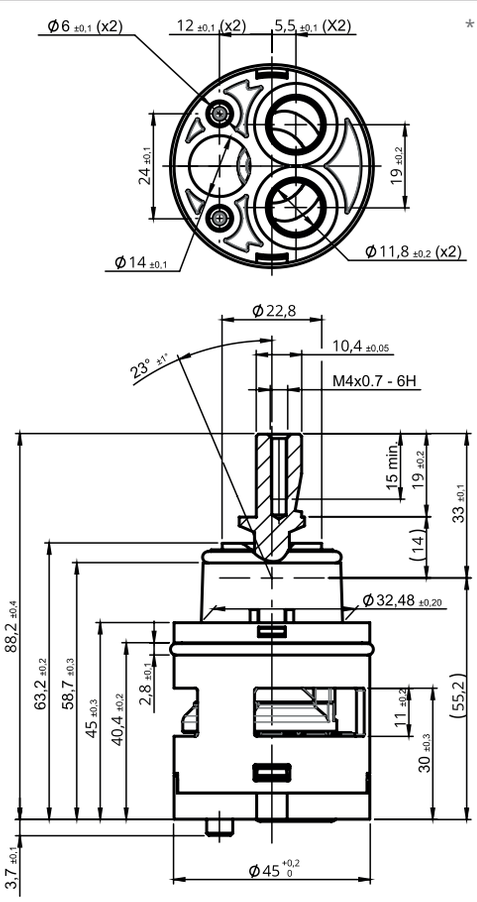
MAXIMUM FLOW RATE

This cartridges ensure maximum flow rate even at low pressure applications.

RECOMMENDED APPLICATIONS



DIMENSIONS



* Find machinig requirements on pages 156-159

CERTIFICATIONS

WRAS

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12Nm
Opening angle	23º
Rotation angle	100º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817 x2 ASME 112.18.1 M	70,000 cycles 500,000 cycles
Max. hot water*	90 ºC

Operation Torque	S/D
Open-close	0.25-0.35 Nm
Turn left-right	0.40-0.50 Nm

Flow rate (free flow)	S/D
at 0.5 bar	18 l/min
at 1 bar	24.8 l/min
at 3 bar	43.2 l/min
at 5 bar	55.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

REVOLVING
GI-40

DESCRIPTION

Revolving cartridges include a turning lever in order to mix water and provide better control of the flow rate.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

REVOLVING
This cartridge has a turning lever from 0º to 180º.

COLD
Energy saving feature thanks to the internal design of the cartridge, flowing cold water when the lever is centered.

METALLIC LEVER
This revolving cartridge has metallic lever

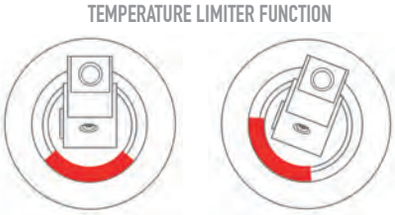
ADVANTAGES

- *180º ROTATION ANGLE*
  40mm revolving cartridge has a rotation angle of 180º from cold to hot.

- *EASY REVOLVING MOVEMENT*
  Smooth revolving movement for a comfort operation to the user.

- *TR TECHNOLOGY*
  The TR technology allows energy saving thanks to temperature limiters. It also enables an anti-scalding safety feature. This function allows limiting maximum temperature in 7 selectable stops.

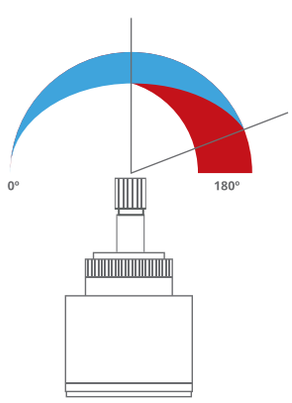
TEMPERATURE LIMITER FUNCTION



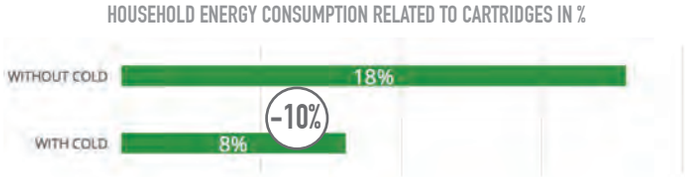
45º TURN 21º TURN

position	15º l/min	65º l/min	ºC 3bar
1	16	4	26º
2	12,5	7,5	35º
3	9	11	43º
4	5	15	50º
5	2	18	56º
6	1	19	61º
7	0	20	65º

- *COLD TECHNOLOGY*
  The cartridge starts in cold position by default, saving energy consumption related to plumbing products in the household.



HOUSEHOLD ENERGY CONSUMPTION RELATED TO CARTRIDGES IN %



GI-40 C/D

L10 TR

REF.08GI40LBE64



DOWNLOAD DATA SHEET

GI-40 S/D

L10 TR

REF. 08GI40FBE64



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

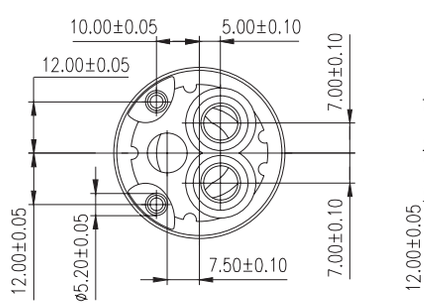


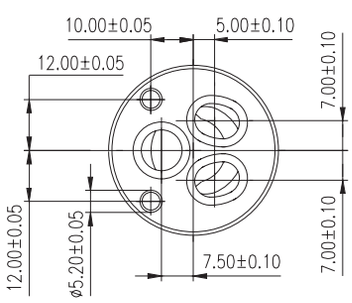
DECORATIVE WASHBASINS
Specially designed for decorative faucets.

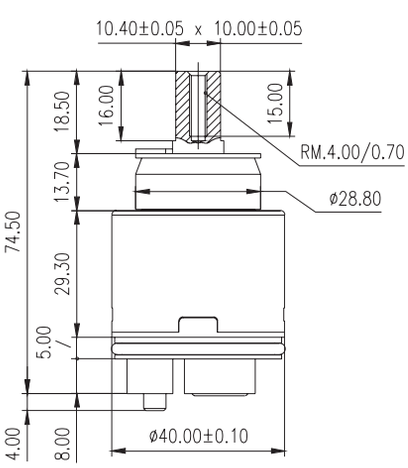
CERTIFICATIONS

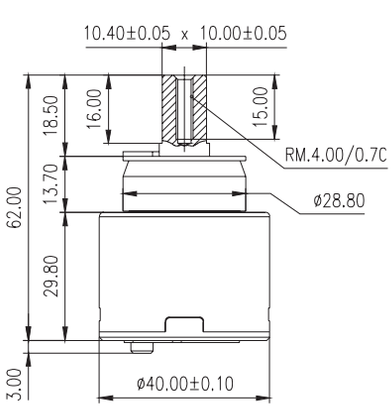
KTW AS/NZS NSF ACS

DIMENSIONS









* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180°	180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	40-45 bar	40-45 bar
Life cycle - EN 200 ASME 118.12.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Turn left-right	0.20-0.22 Nm	0.20-0.22 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.4 l/min	9.5 l/min
at 1 bar	13.2 l/min	13.2 l/min
at 3 bar	23 l/min	22.8 l/min
at 5 bar	29.4 l/min	29.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

REVOLVING
GI-40

GI-40 C/D
Z20

REF.08GI40LBE00



DOWNLOAD DATA SHEET

GI-40 S/D
Z20

REF. 08GI40FBE00



DOWNLOAD DATA SHEET

DESCRIPTION

40 mm revolving cartridges with a turning lever in order to mix water and provide better control of the flow rate.

ADVANTAGES

BRASS OR PLASTIC SHAFT

Cartridge available with plastic or metal shaft, depending on the application.

RECOMMENDED APPLICATIONS



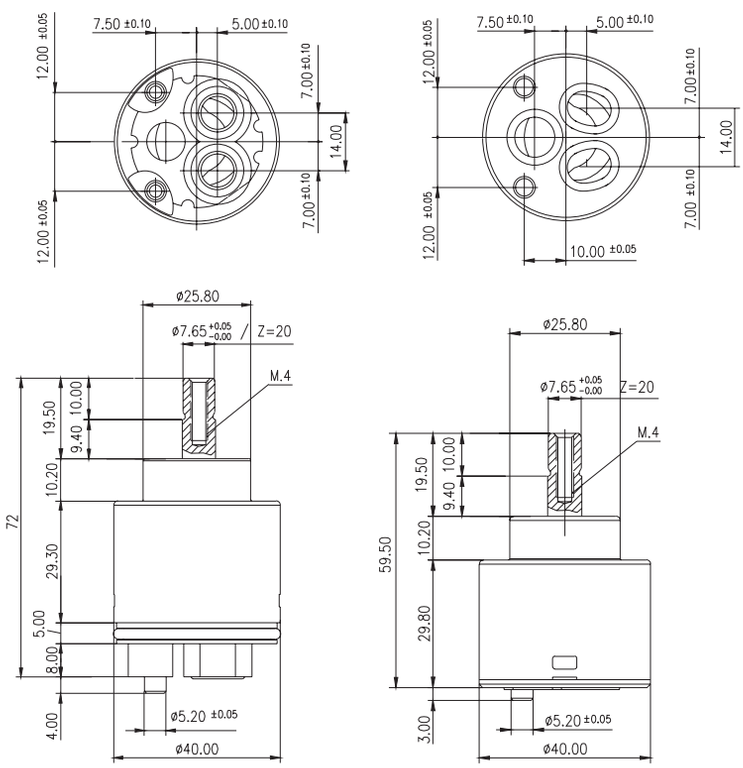
DECORATIVE WASHBASINS

Specially designed for decorative faucets.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180°	180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	45-50 bar	45-50 bar
Life cycle - EN 200 ASME 112.18.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Turn left-right	0.20-0.22 Nm	0.20-0.22 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.4 l/min	9.5 l/min
at 1 bar	13.2 l/min	13.2 l/min
at 3 bar	23 l/min	22.8 l/min
at 5 bar	29.4 l/min	29.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 152-155

GI-40 C/D

L10

REF. 08GI40LBE10



DOWNLOAD DATA SHEET

GI-40 S/D

L10

REF. 08GI40FBE10



DOWNLOAD DATA SHEET

DESCRIPTION

40 mm revolving cartridges with a turning lever in order to mix water and provide better control of the flow rate.

ADVANTAGES

BRASS OR PLASTIC SHAFT

Cartridge available with plastic or metal shaft, depending on the application.

RECOMMENDED APPLICATIONS



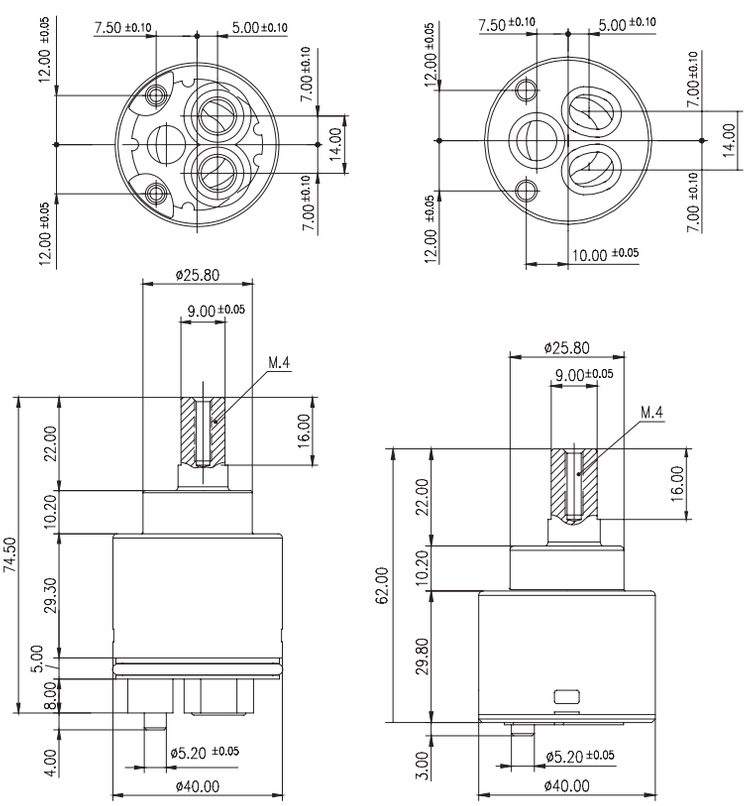
DECORATIVE WASHBASINS

Specially designed for decorative faucets.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12Nm	10-12Nm
Rotation angle	180º	180º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	45-50 bar	45-50 bar
Life cycle - EN 200 x2 ASME 112.18.1 M	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	S/D
Turn left-right	0.20-0.22 Nm	0.20-0.22 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	9.4 l/min	9.5 l/min
at 1 bar	13.2 l/min	13.2 l/min
at 3 bar	23 l/min	22.8 l/min
at 5 bar	29.4 l/min	29.4 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

DIVERTER
GD-40 4

DESCRIPTION

The GD40 S/D 4 diverter from Sedal is a high end 35mm valvewith four outlets that provides smooth operation along with a defined feeling of safety and precision thanks to the metallic lever and a high precision ceramic set.

The operation torque has been improved while keeping a small footprint. Works perfectly paired with our TM001 Thermostatic cartridge for showers.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

CLICK
GD-35 includes a click in the middle to notice the change of outlet.

OUTLETS
Diverter cartridge with two outlets.

METALLIC LEVER
This diverter cartridge has metallic lever.

ROTATION ANGLE
Diverter cartridge with 360º rotation angle.

SIDE INLET
The inlet of the diverter is located on the sides.

ADVANTAGES

- *SURPASSES CONVENTIONAL DURABILITY STANDARDS*
  Extended life time thanks to a high grade ceramic set made in our Technical Ceramics facilities. The metal lever improves the user perception of quality and precision in a small cartridge.

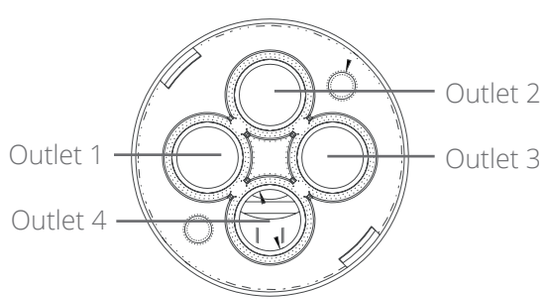
- *ROBUST DESIGN*
  GD-40 has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  The GD40 has a high flow rate @3 bar, allowing to build body showers with 2 outlets providing a positive user experience while assuring an ecologic water consumption.

- *3 DIFFERENT SHAFTS LENGHT AVAILABLE*
  The GD40 is available with three different shaft lenghts to fullfill any manufacturer requirements.

Total Height (mm)
53.8 mm
66.3 mm
82 mm

- *DIVERTER FUNCTIONALITY*
  This cartridge fits specially good in bath showers because allows to have four different outlets. Mixed water enters inlet on the side and exits either outlet 1, 2, 3 or 4.



GD-40 S/D 4

REF. 08GD40S0001



DOWNLOAD DATA SHEET

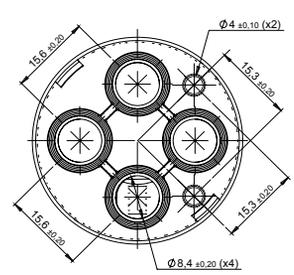
RECOMMENDED APPLICATIONS

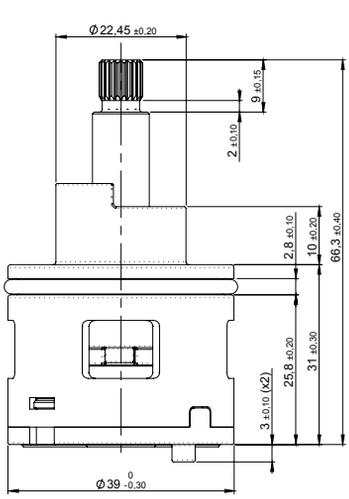


SHOWERS DIVERTERS

Specially designed for showers with diverters.

DIMENSIONS





* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	S/D
Nut torque pitch M1.5	10-12 Nm
Rotation angle	>360º
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817 NF077	30,000 cycles 30,000 cycles
Max. hot water*	90 ºC

Operation Torque	S/D
Turn left-right	0.15-0.45 Nm
OUTLET SELECTOR (Torque increment)	0.10-0.20 Nm

Flow rate (free flow)	S/D
at 0.5 bar	7.9 l/min
at 1 bar	16 l/min
at 3 bar	27.6 l/min
at 5 bar	35.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

JOYSTICK
JY-40

DESCRIPTION

Joystick cartridges have a similar functionality as standard cartridges, although the special design of their levers allows smooth 360º movements.

Very popular in some countries, Joystick cartridges provide a natural movement especially with vertical levers.

The JY40 from Sedal is a very robust Joystick cartridge specially developed for faucets or cascade tap designs.

FEATURES



JOYSTICK
Joystick cartridge with smooth 360º movement.

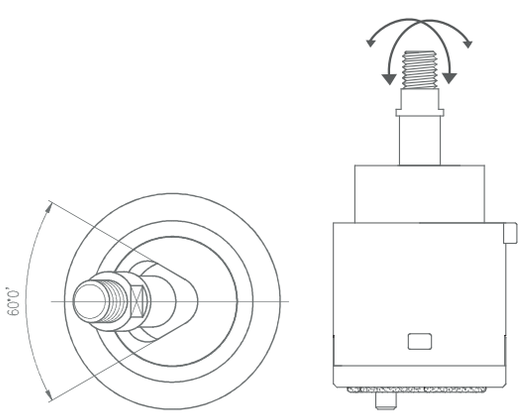


METALLIC LEVER
This joystick cartridge has metallic lever

ADVANTAGES

- *SMOOTH FEELING*
  40mm joystick has a very smooth operational feeling that gives comfort to the user.

- *NEW CERAMICS DISC GEOMETRY*
  JY-40 has a new ceramics disc geometry that allows its smooth 360º movement.



- *ROBUST DESIGN*
  40mm joystick has a robust design, withstanding higher levels of burst pressure.

- *HIGHER FLOW RATE*
  JY-40 has higher flow rates than previous versions.

JY-40 C/D

REF.08JY40LBE00



DOWNLOAD DATA SHEET

JY-40 S/D

REF. 08JY40FBE00



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

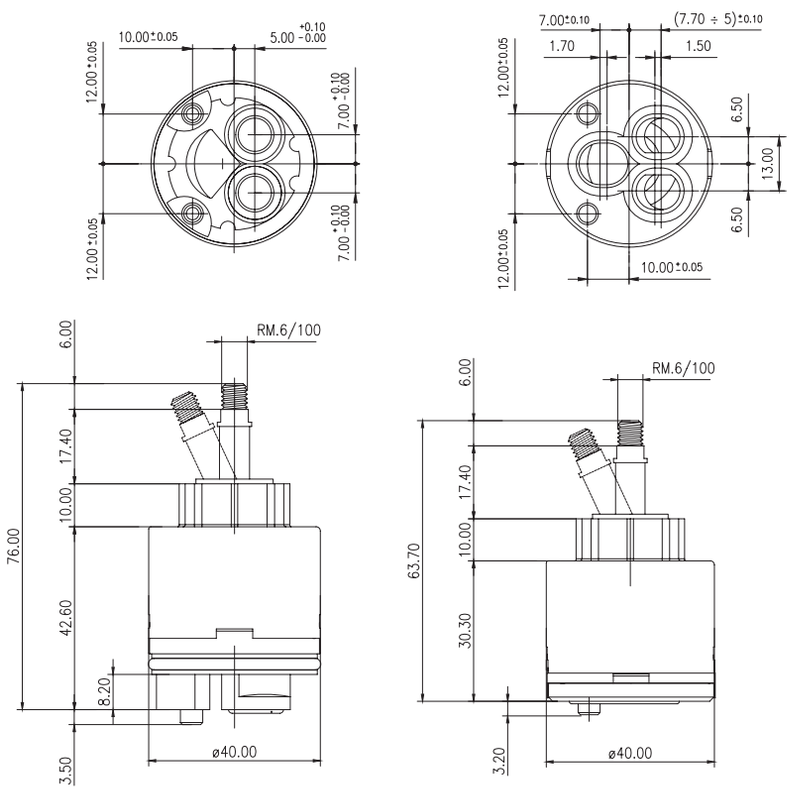


WASHBASINS
Specially designed for washbasins.

CERTIFICATIONS

KTW AS/NZS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	C/D	S/D
Nut torque pitch M1.5	10-12 Nm	10-12 Nm
Opening angle	25ºC	25ºC
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	30-35 bar	30-35 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 70,000 cycles	70,000 cycles 70,000 cycles
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	S/D
Open-close	0.32-0.38 Nm	0.32-0.38 Nm
Turn left-right	0.35-0.42 Nm	0.35-0.42 Nm

Flow rate (free flow)	C/D	S/D
at 0.5 bar	10.3 l/min	10 l/min
at 1 bar	14.5 l/min	13.7 l/min
at 3 bar	24.9 l/min	23.6 l/min
at 5 bar	31.8 l/min	30.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

* Find machinig requirements on pages 156-159

PRESSURE BALANCE
PB-40

DESCRIPTION

Pressure balance cartridges include a special mechanical device that detects pressure variations in water inlets, ensuring temperature stability. Particularly suited for applications in which water pressure is unstable.

FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

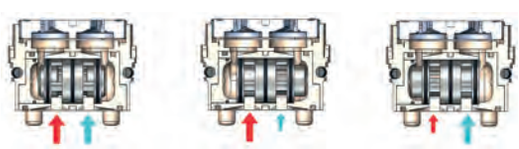
FLOW LIMITER
Limit maximum water flow for water saving.

TEMPERATURE LIMITER
Limit maximum temperature in 7 selectable stops for energy saving and to avoid scalding.

ADVANTAGES

- *AVOIDS PRESSURE VARIATIONS*

  Pressure balance cartridges have a special base with a cylinder and a piston that moves according to pressure variations to keep the water temperature stable and avoid the annoying changes of temperature when showering.



Balanced pressure
When the water pressure is stable, the piston inside the cilinder is located in the middle of the cartridge

Hot water pressure
When the hot water enters the cartridge with more pressure than the cold, the piston moves to the right to close the inlet of hot water until it equals to the pressure of cold water.

Cold water pressure
When the cold water enters the cartridge with more pressure than the hot, the piston moves to the left to close the inlet of cold water until it equals to the pressure of hot water.

- *SECURITY*

  TRN version has a safety anti-scalding feature.

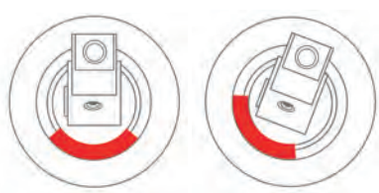
- *COMPATIBILITY*

  PBs are compatible with standard and upper sealing versions.

- *VERSIONS WITH LIMITERS*

TEMPERATURE LIMITER FUNCTION (TR)

PB-40 cartridge has an optional ring called TR that allows limiting maximum temperature in 7 selectable stops, enabling an anti-scalding safety feature.



45° TURN 21° TURN

position	15° l/min	65° l/min	°C 3bar
1	16	4	26°
2	12,5	7,5	35°
3	9	11	43°
4	5	15	50°
5	2	18	56°
6	1	19	61°
7	0	20	65°

TEMPERATURE & FLOW LIMITER FUNCTION (TRN)

TRN technology, in addition to limit temperature, allows water saving at the same time thanks to a flow limiter.



The flow can be limited thanks to the screw located in the cartridge lever. By turning the screw, the flow obtained will be reduced, **saving up to 22% of daily water consumption**.



PB-40 C/D

REF. 08PB40L0001



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

OTHER VERSIONS

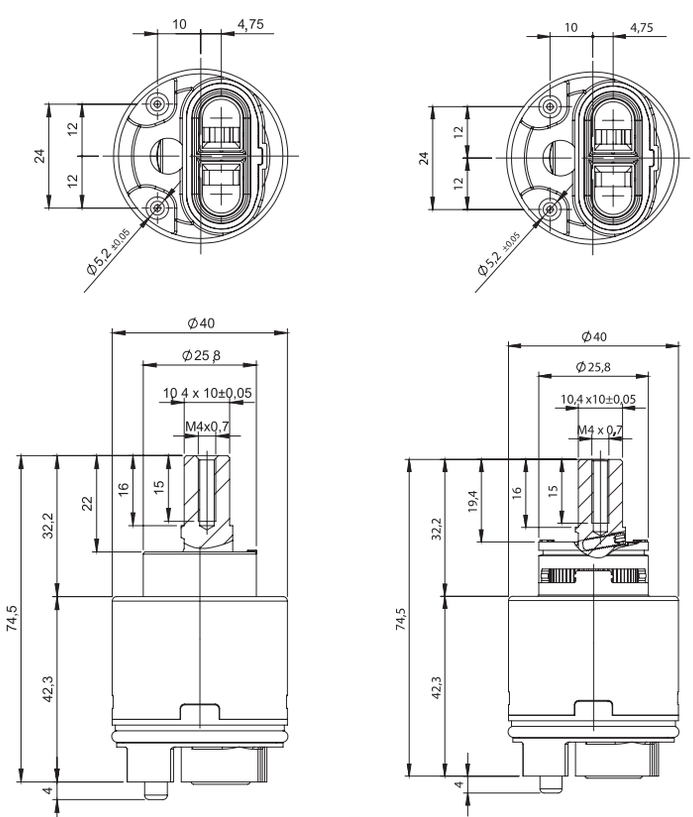
	CD
Temperature & flow limiter (TRN)	REF.08PB40L4602

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

* Except PB-40 C/D (without TRN)

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	C/D TRN
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25º	23.5º
Rotation angle	100º	100º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>35 bar	>35 bar
Life cycle - EN 817 NF U3	70,000 cycles	70,000 cycles
Sensitivity (r=45mm)	>12º angle	>12º angle
Fidelity	<5ºC	<5ºC
Max. hot water*	90 ºC	90 ºC

Operation Torque	C/D	C/D TRN
Open-close	0.35-0.45 Nm	0.35-0.45 Nm

Flow rate (free flow)	C/D	C/D TRN
at 0.5 bar	6.5 l/min	6.5 l/min
at 1 bar	9.1 l/min	9.1 l/min
at 3 bar	15.8 l/min	15.8 l/min
at 5 bar	20.3 l/min	20.3 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

UPPER SEALING
G-40

DESCRIPTION

Upper sealed cartridges allow the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side. Some of these cartridges also provide extra productivity thanks to their design.

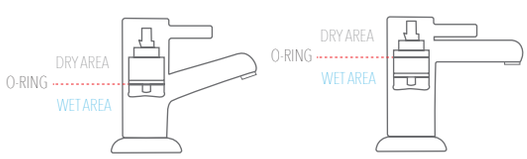
FEATURES

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

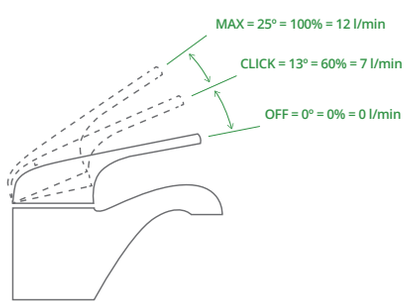
ADVANTAGES

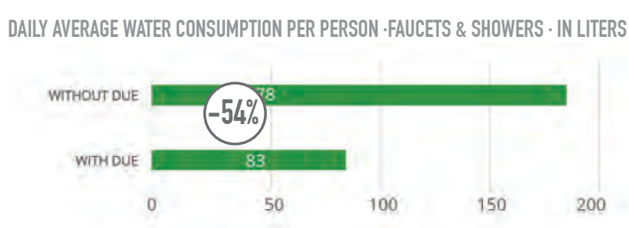
- *ALLOWS DIFFERENT FAUCET CONFIGURATIONS*
  Allows the manufacturer to work with different faucet configurations, including those in which the spout is located on the upper side.



- *COMPATIBILITY*
  Lower sealing compatible with standard 40mm available.

- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows saving water.





G-40 C/D

REF. 08G40LBE00



DOWNLOAD DATA SHEET

G-40 C/D *DUE*

REF. 08G40LBE30



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.

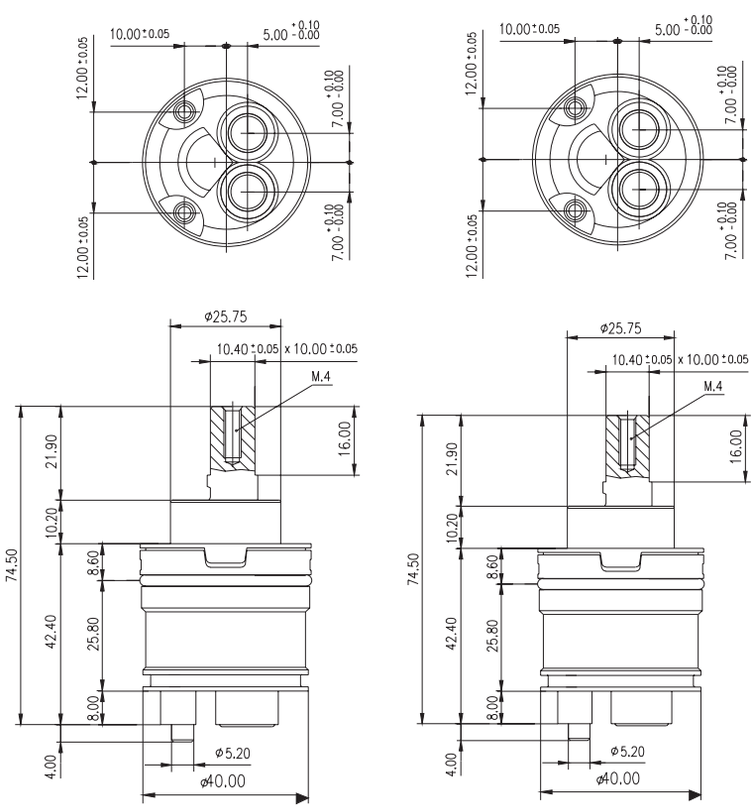


KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	C/D	C/D DUE
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	25°	25°
Rotation angle	100°	100°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>25 bar	>25 bar
Life cycle - EN 817 ASME 112.18.1 M	70,000 cycles 500,000 cycles	70,000 cycles 500,000 cycles
Sensitivity (r=45mm)	9° angle	9° angle
Max. hot water*	90 °C	90 °C

Operation Torque	C/D	C/D DUE
Open-close	0.30-0.40 Nm	0.30-0.40 Nm
Turn left-right	0.35-0.45 Nm	0.35-0.45 Nm

Flow rate (free flow)	C/D	C/D DUE
at 0.5 bar	10.8 l/min	10.8 l/min
at 1 bar	15.1 l/min	15.1 l/min
at 3 bar	25.9 l/min	25.9 l/min
at 5 bar	33.5 l/min	33.5 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

COMPACT
EX-40 | EX-40 DUE

DESCRIPTION

Compact 40 mm cartridge allows the manufacturer for short faucets.

FEATURES

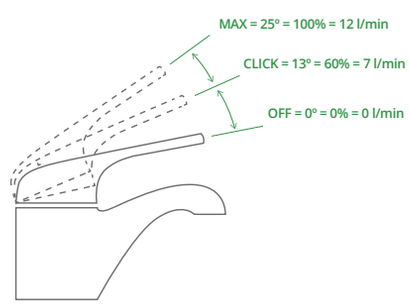
ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

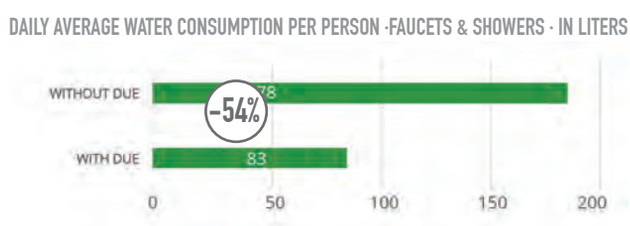
DUE
Water flow optimization thanks to a mid-way stop at 60% of the lever stroke that provides up to 50% water saving.

ADVANTAGES

- *MINIMALISM WITH HIGH PERFORMANCE*
  Compact cartridges allow the manufacturer to create minimalistic faucets without giving up the high-performance features of the cartridges

- *DUE TECHNOLOGY*
  Easier control of water flow thanks to Due technology, which presents a slight resistance to indicate that the fitting is using approximately a 50% of its flow. This feature allows saving water.





EX-40

REF. 08EX40S0001



DOWNLOAD DATA SHEET

EX-40 *DUE*

REF. 08EX40S3001



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



CONCEALED WASHBASINS
Specially designed for washbasins.



CONCEALED BATH-SHOWERS
Specially designed for bath showers.

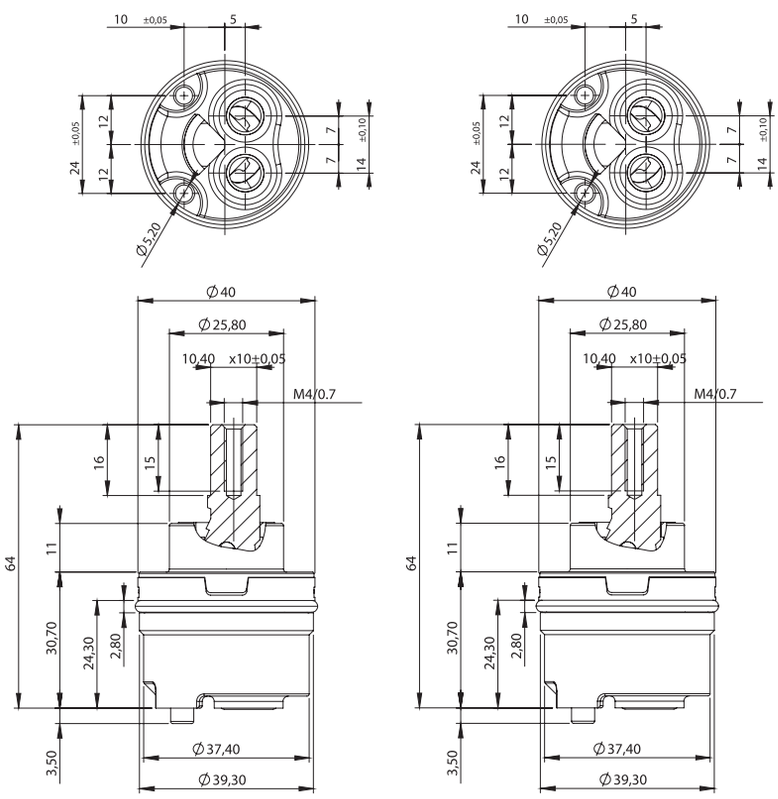


CONCEALED KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW WRAS AS/NZS NSF ACS

DIMENSIONS



* Find machinig requirements on pages 156-159

TECHNICAL SPECIFICATIONS

General	EX-40	EX-40 DUE
Nut torque pitch M1.5	10-12Nm	10-12Nm
Opening angle	24º	24º
Rotation angle	90º	90º
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 817	70,000 cycles	70,000 cycles
Sensitivity (r=45mm)	14-16º angle	14-16º angle
Max. hot water*	90 ºC	90 ºC

Operation Torque	EX-40	EX-40 DUE
Open-close	0.28-0.32 Nm	0.28-0.32 Nm
Turn left-right	0.13-0.25 Nm	0.13-0.25 Nm
Saving device (DUE)	-	0.60-0.90 Nm

Flow rate (free flow)	EX-40	EX-40 DUE
at 0.5 bar	10.7 l/min	10.7 l/min
at 1 bar	15.1 l/min	15.1 l/min
at 3 bar	26 l/min	26 l/min
at 5 bar	33.6 l/min	33.6 l/min

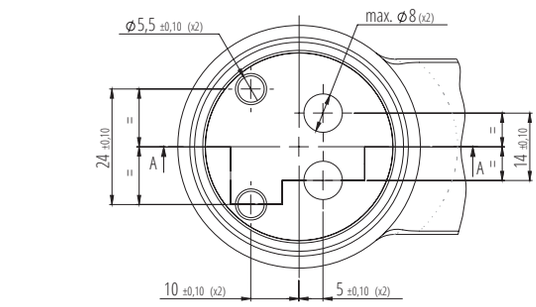
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

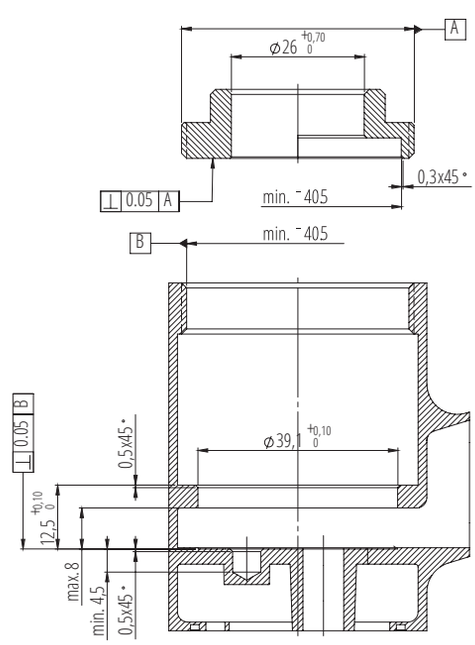
MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

DIAMETER	CARTRIDGE	REFERENCE	PAGE
40 mm	SN-40 C/D THEDRA	08SN40L0001	118
	SN-40 C/D THEDRA DUE	08SN40L3001	118
	SN-40 C/D THEDRA COLD	08SN40L1501	120
	SN-40 C/D THEDRA COLD DUE	08SN40L5501	12O
	EN-40 C/D	08EN40LAZ00	122
	E-40 C/D C1	08EN40L1002	124
	E-40 C/D C2	08EN40L3005	125
	EN-40 C/D COLD DUE	08EC40L3003	126
	EN-40 C/D COLD MIRROR DUE	08EC40L2001	128
	SN-40 C/D	08SN40LAZ00	130
	TRN-40 C/D	08RN40LVE00	131
	DN-40 C/D BG BASIC	08DN40LBG01	132
	SN-40 C/D ECOFLOW	08SN40L0003	134
	GC-40 C/D THEDRA	08GC40L0001	136
	GC-40 C/D THEDRA DUE	ON DEMAND	138
	GI-40 C/D L10 TR	08GI40LBE64	142
	GI-40 C/D Z20	08GI40LBE00	144
	GI-40 C/D L10	08GI40LBE10	145
	JY-40 C/D	08JY40LBE00	148
	PB-40 C/D	08PB40L0001	150

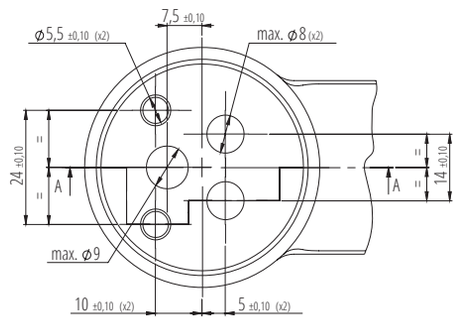
MACHINING TIP

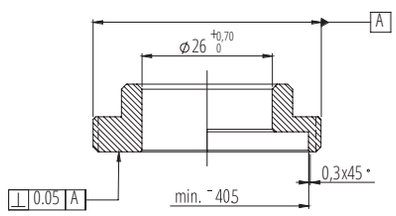


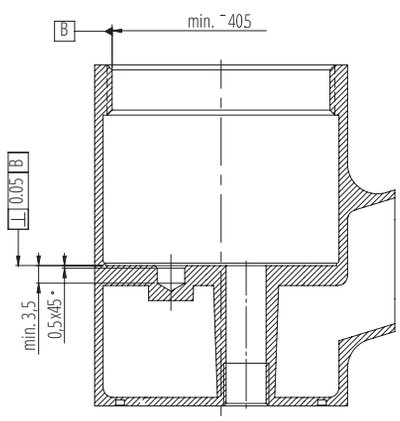


DIAMETER	CARTRIDGE	REFERENCE	PAGE
	SN-40 S/D THEDRA	08SN40S0001	118
	SN-40 S/D THEDRA DUE	08SN40S3001	118
	SN-40 S/D THEDRA NIEDERDRUCK	08SN40S0007	118
	SN-40 S/D THEDRA COLD	08SN40S1501	120
	SN-40 S/D THEDRA COLD DUE	08SN40S5501	120
	EN-40 S/D	08EN40FAZ00	122
	E-40 S/D DUE	08E40FAZ30	123
	E-40 C/D C1	08EN40S1002	124
	E-40 C/D C2	08EN40S3005	125
	EN-40 S/D COLD DUE	08EC40S3003	126
40 mm	EN-40 S/D MIRROR DUE	08EC40S2001	128
	SN-40 S/D	08SN40SAZ00	130
	TRN-40 S/D	08RN40FVE00	1131
	DN-40 S/D BG BASIC	08DN40FBG01	132
	SN-40 S/D ECOFLOW	08SN40S0004	133
	GC-40 S/D THEDRA	08GC40S0001	136
	GC-40 S/D THEDRA DUE	ON DEMAND	138
	GI-40 S/D L10 TR	08GI40FBE64	142
	GI-40 S/D Z20	08GI40FBE00	144
	GI-40 S/D L10	08GI40FBE10	145
	JY-40 S/D	08JY40FBE00	148

MACHINING TIP



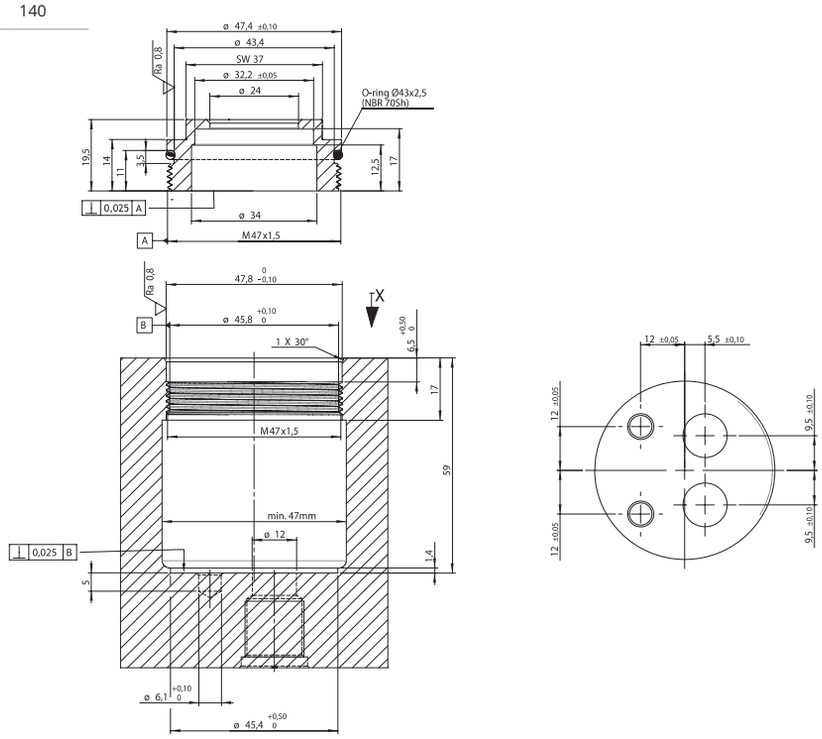




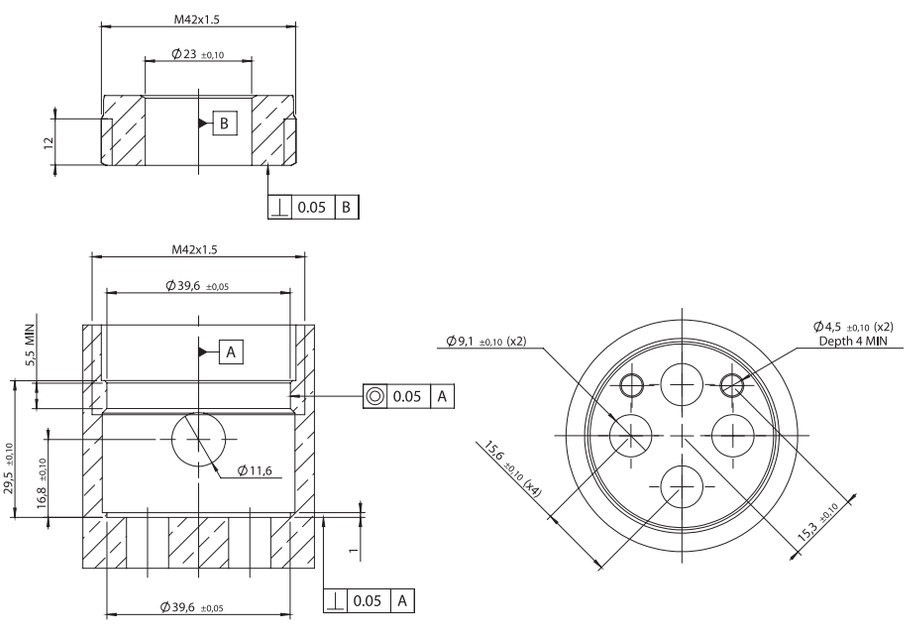
MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

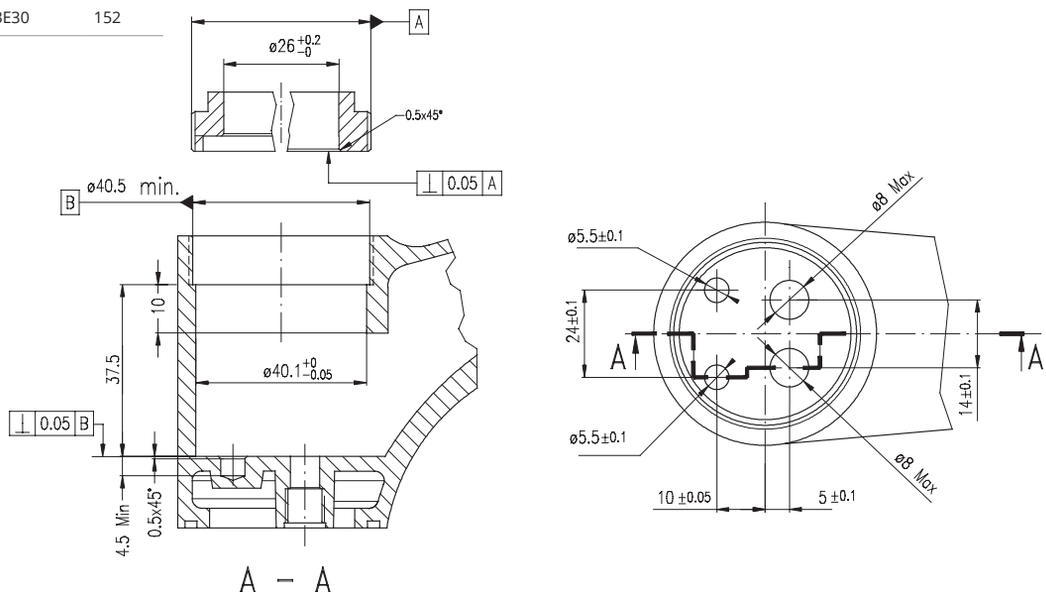
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
45 mm	GC-45 S/D	08GC45FBE00	140	



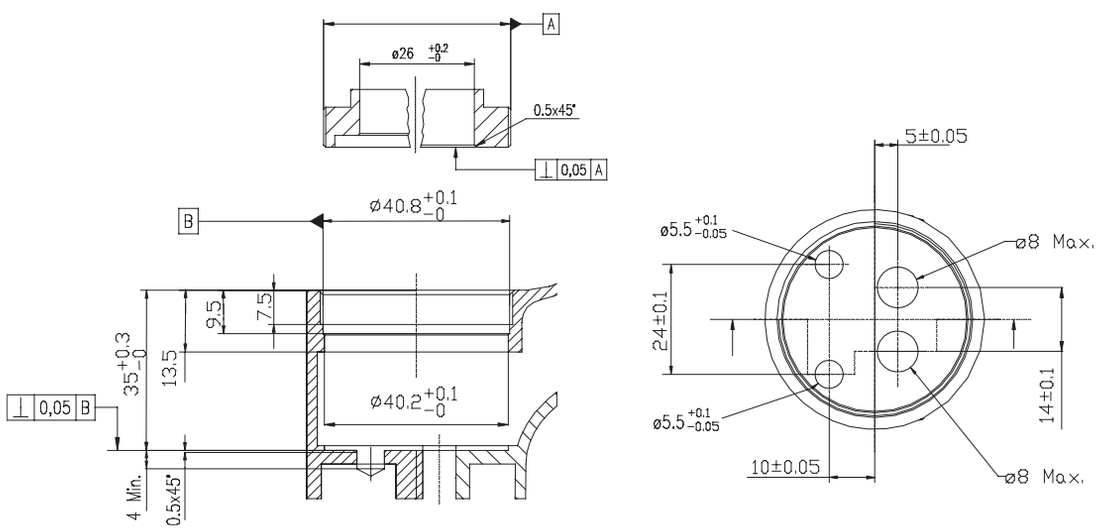
DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
40 mm	GD-40 S/D 4	08GD40S0001	146	



DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
40 mm	G-40 C/D	08G40LBE00	152	
	G-40 C/D DUE	08G40LBE30	152	



DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
40 mm	EX-40	08EX40S0001	154	
	EX-40 DUE	08EX40S3001	154	



THERMOSTATIC CARTRIDGES

SEDAL'S thermostatic cartridges provide fast response, high reliability and anti-scalding safety features thanks to the combination of materials, design and high quality sensors.



THERMOSTATIC
TM001

DESCRIPTION

Standard thermostatic cartridges complying with EN-1111 specifications for shower and bath appliances.
With a life cycle of 50,000 cycles, it suits all the design and quality requirements of the market, providing high reliability and high response, with specific anti-scalding safety measures.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM001 is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 25bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM001 materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *DOUBLE LIFE CYCLE*
  TM001 has 2x EN-1111 cycles, allowing the cartridge and the system to have a longer life.

TM001

REF.07TM00100 (STD)



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



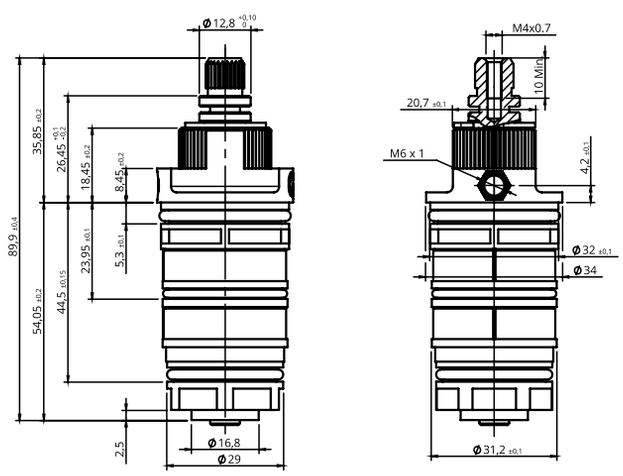
BATH-SHOWERS
Specially designed for bath showers.

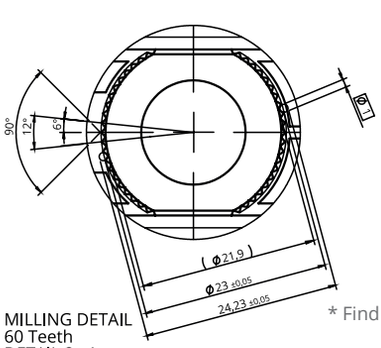
CERTIFICATIONS*

KTW WRAS NSF ACS

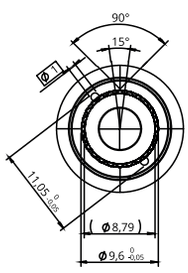
* Ready for KTW

DIMENSIONS





MILLING DETAIL
60 Teeth
DETAIL 2 : 1



MILLING DETAIL
24 Teeth
DETAIL 2 : 1

* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM001 / TM001 4MS
Standards *	EN-1111 QB/T5418-2019
Burst pressure	>25 bar
2x Life cycle - EN-1111	100,000 cycles
Max. hot water	90ºC
Noise level	18.8 - 21.1 dB

Operation torque	TM001 / TM001 4MS
Turn left-right	0.10 - 0.35 Nm
Sensitivity (36-40ºC) (handle 20mm)	14 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM001 / TM001 4MS
at 0.1 bar	6 l/min
at 0.5 bar	10 l/min
at 3 bar	23 l/min
at 5 bar	29 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM001 HP

DESCRIPTION

Thermostatic cartridge specially designed for burst pressure withstand minimum 35 bar.
This cartridge is EN-1111 standard compliant.

FEATURES

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.

LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM001 HP is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 35bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM001 materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *HIGH PRESSURE VERSIONS*
  We have created an special TM001 cartridge for high-pressure applications.

- *DOUBLE LIFE CYCLE*
  TM001 HP has 2x EN-1111 cycles, allowing the cartridge and the system to have a longer life.

TM001 HP

REF.07TM0102 (STD)



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



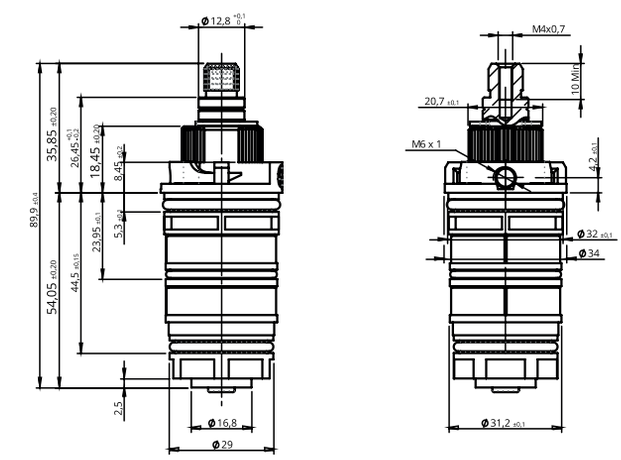
BATH-SHOWERS
Specially designed for bath showers.

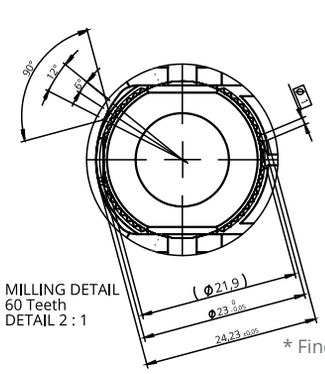
CERTIFICATIONS*

KTW WRAS NSF ACS

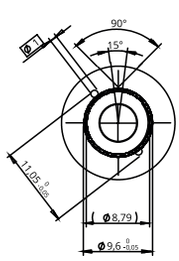
* Ready for KTW

DIMENSIONS





MILLING DETAIL
60 Teeth
DETAIL 2 : 1



MILLING DETAIL
24 Teeth
DETAIL 2 : 1

* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM001 HP/ NSF/ 4MS
Standards*	EN-1111 ASSE#1016 QB/T5418-2019
Burst pressure	>35 bar
2x Life cycle - EN-1111 ASSE#1016	100,000 cycles 100,000 cycles
Max. hot water	90ºC
Noise level	18.8 - 21.1 dB

Operation torque	TM001 HP/ NSF/ 4MS
Turn left-right	0.10 - 0.35 Nm
Sensitivity (36-40ºC) (handle 20mm)	14 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM001 HP / NSF/ 4MS
at 0.1 bar	6 l/min
at 0.5 bar	10 l/min
at 3 bar	23 l/min
at 5 bar	29 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM001 LP

DESCRIPTION

Thermostatic cartridges specially designed for 0,2 to 1 bar low pressure applications. This cartridge is complying with EN-1287 and with a life cycle of 50,000 cycles.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM001 LP is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 25bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM001 LP materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *LOW PRESSURE VERSIONS*
  We have created an special TM001 LP cartridge for low-pressure applications.

TM001 LP

REF.07TM0131



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



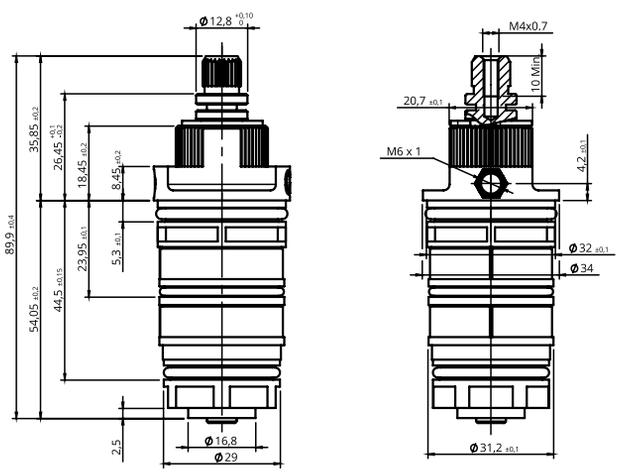
BATH-SHOWERS
Specially designed for bath showers.

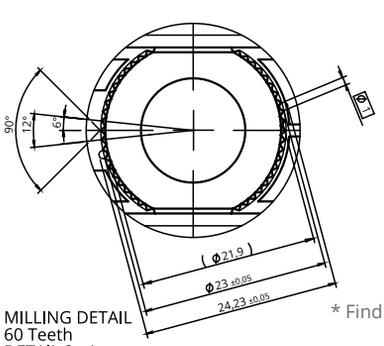
CERTIFICATIONS*

KTW WRAS ACS

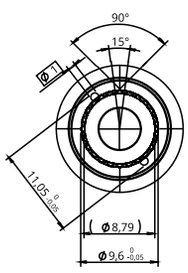
* Ready for KTW

DIMENSIONS





MILLING DETAIL
60 Teeth
DETAIL 2 : 1



MILLING DETAIL
24 Teeth
DETAIL 2 : 1

* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM001 / TM001 4MS
Standards *	EN-1287
Burst pressure	>25 bar/min
Life cycle - EN-1287	50,000 cycles
Max. hot water	90ºC
Noise level	18.8 - 21.1 dB

Operation torque	TM001 / TM001 4MS
Turn left-right	Max. 0.35 Nm
Sensitivity (36-40ºC) (handle 20mm)	20 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM001 / TM001 4MS
at 0.6 bar	16 l/min
at 3 bar	34 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM001 BASIC

DESCRIPTION

Basic thermostatic cartridge, combining entry-level product with high-reliability.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM001 BASIC is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 25bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

TM001 BASIC

REF.07TM0119



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



BATH-SHOWERS
Specially designed for bath showers.

CERTIFICATIONS

ACS WRAS KTW

* Ready for KTW

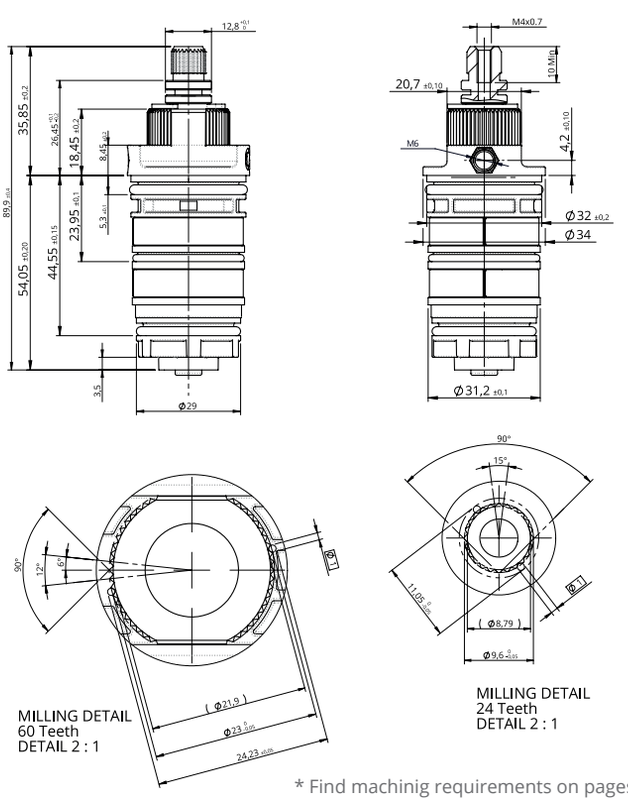
OTHER VERSIONS

TM001 basic 4MS

CD

REF. 07TM0136

DIMENSIONS



* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM001 BASIC
Standards*	EN-1111 QB/T5418-2019
Burst pressure	>25 bar
Life cycle - EN-1111	100,000 cycles
Max. hot water	90ºC
Noise level	18.8 - 21.1 dB

Operation torque	TM001 BASIC
Turn left-right	0.10 - 0.35 Nm
Sensitivity (36-40ºC) (handle 20mm)	14 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM001 BASIC
at 0.1 bar	6 l/min
at 0.5 bar	10 l/min
at 3 bar	22 l/min
at 5 bar	29 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM001 C

DESCRIPTION

Its reduced length makes it perfect to fit wall-mounted installations, without giving up any of the standard high- performance features and certifications.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM001 C is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 35bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM001 materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *CONCEALED VERSION*
  TM001 C reduced lenght makes it easier to fit in concealed applications and the manufacturer has wider design options.

- *DOUBLE LIFE CYCLE*
  TM001 C has 2x EN-1111 cycles, allowing the cartridge and the system to have a longer life.

TM001 C

REF.07TM0112 (STD)



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



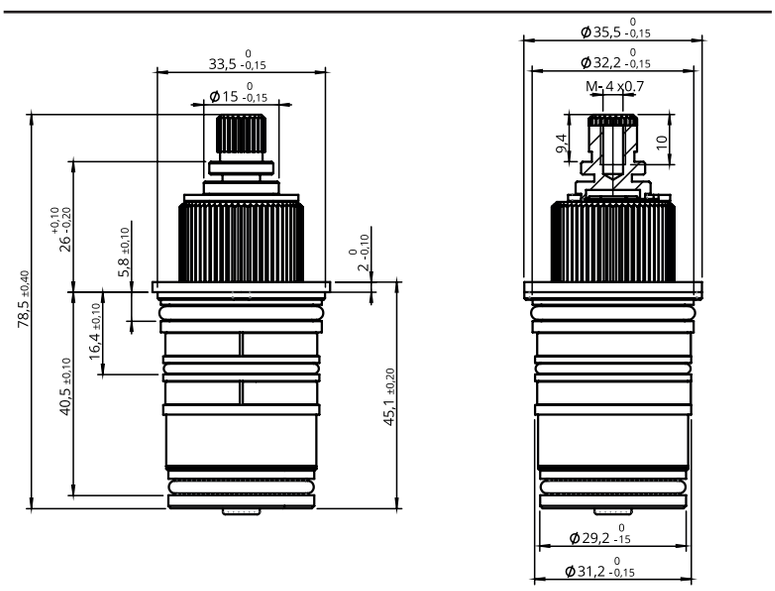
BATH-SHOWERS
Specially designed for bath showers.

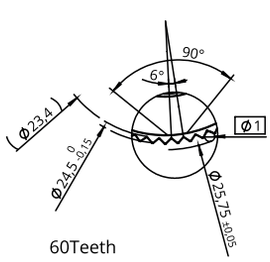
CERTIFICATIONS*

KTW WRAS ACS NSF

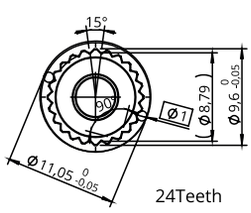
* Ready for KTW

DIMENSIONS





60Teeth



24Teeth

TECHNICAL SPECIFICATIONS

General	TM001 C
Standards*	EN-1111 ASSE#1016 QB/T5418-2019
Burst pressure	>35 bar
2x Life cycle - EN-1111 ASSE#1016	100,000 cycles 100,000 cycles
Max. hot water	90ºC

Operation torque	TM001 C
Turn left-right	0.30 - 0.50 Nm
Sensitivity (36-40ºC) (handle 20mm)	15 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM001 C
at 0.1 bar	4.5 l/min
at 0.5 bar	10 l/min
at 3 bar	26 l/min
at 5 bar	33 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

* Find machinig requirements on pages 178-179

THERMOSTATIC
TM006

DESCRIPTION

Standard thermostatic cartridges with smaller diameter for compact shower bodies, complying with EN-1111 specifications. With a life cycle of 50,000 cycles, it suits all the design and quality requirements of the market, providing high reliability and high response, with specific anti-scalding safety measures.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM006 is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 35bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *SLIM VERSION*
  TM006 reduced diameter makes it easier to fit in slim applications and the manufacturer has wider design options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM006 materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *DOUBLE LIFE CYCLE*
  TM006 has 2x EN-1111 cycles, allowing the cartridge and the system to have a longer life.

TM006

REF.07TM0614 (STD)



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



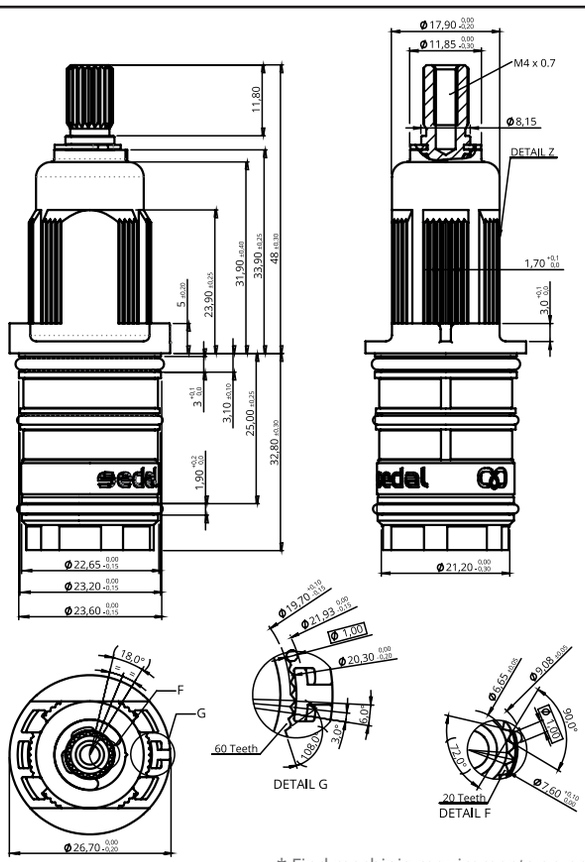
BATH-SHOWERS
Specially designed for bath showers.

CERTIFICATIONS *

KTW WRAS NSF ACS

* Ready for KTW

DIMENSIONS



* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM006/ NSF/ 4MS
Standards*	EN-1111 ASSE#1016 QB/T5418-2019
Burst pressure	>35 bar
2x Life cycle - EN-1111 ASSE#1016	100,000 cycles 100,000 cycles
Max. hot water	90ºC
Noise level	17.8 - 21.1 dB

Operation torque	TM006/ NSF/ 4MS
Turn left-right	0.03 - 0.18 Nm
Sensitivity (36-40ºC) (handle 20mm)	27-31 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM006 / TM001 4MS
at 0.1 bar	3 l/min
at 0.5 bar	7.8 l/min
at 3 bar	21 l/min
at 5 bar	26.4 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM006 K

DESCRIPTION

Thermostatic cartridge with an axial click system, which allows high precision movement of the handle.
This cartridge has been designed according to EN-1111 and NF-1111 standards.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM006 K is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 35bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *DIFFERENT CERTIFIED VERSIONS*
  We have adapted our TM006 materials to create new versions according to 4MS, NSF, ACS, WRAS or KTW regulation in acceptance of metallic materials used for products in contact with drinking water, using authorised materials.

- *SLIM VERSION*
  TM006 K reduced diameter makes it easier to fit in slim applications and the manufacturer has wider design options.

- *CLICK VERSION*
  The TM006 K includes a click on the lever that indicates to the user the change of the set temperature.

- *DOUBLE LIFE CYCLE*
  TM006 K has 2x EN-111 cycles, allowing the cartridge and the system to have a longer life.

TM006 K

REF.07TM0608 (STD)



CLICK SYSTEM

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



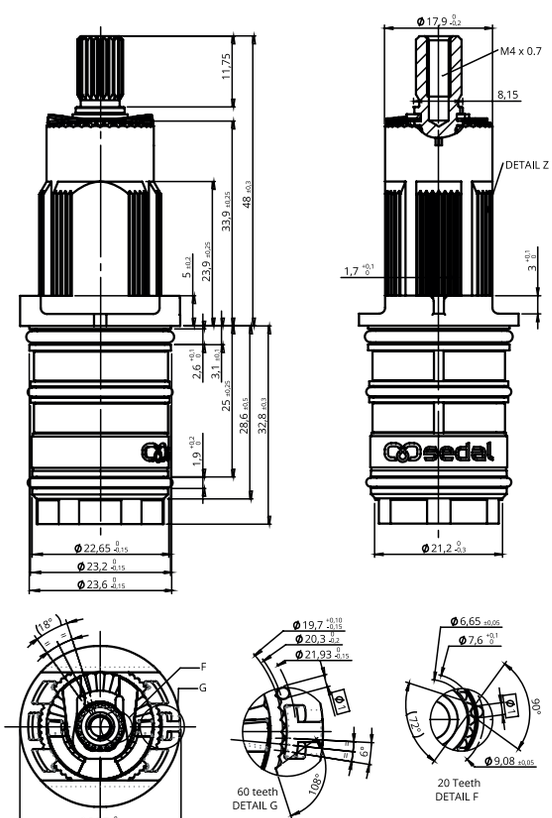
BATH-SHOWERS
Specially designed for bath showers.

CERTIFICATIONS *

KTW WRAS NSF ACS

* Ready for KTW

DIMENSIONS



* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM006 K
Standards*	EN-1111 ASSE#1016 QB/T5418-2019
Burst pressure	>35 bar
2x Life cycle - EN-1111 ASSE#1016	100,000 cycles 100,000 cycles
Max. hot water	90ºC
Noise level	17.8 - 21.1 dB

Operation torque	TM006 K
Turn left-right	0.03 - 0.18 Nm
Sensitivity (36-40ºC) (handle 20mm)	27-31 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM006 K
at 0.1 bar	3 l/min
at 0.5 bar	7.8 l/min
at 3 bar	21 l/min
at 5 bar	26.4 l/min

* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

THERMOSTATIC
TM006 BASIC

DESCRIPTION

Smaller basic thermostatic cartridge, combining entry-level product with high-reliability.

FEATURES



THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.



ECO
Cartridges identified with an ECO icon offer at least one environmental sustainability feature.



LEAD FREE
Suitable for low-lead applications.

ADVANTAGES

- *TEMPERATURE CONTROL*
  TM006 BASIC is a thermostatic regulation system that allows the user to set and easily adjust the desired temperature of the shower, while ensuring the steadiest mixed outlet water temperature. This control of the outlet temperature also allows an anty-scalding safety feature for the maximum comfort to the user.

- *ANTI-SCALDING FEATURE*
  This thermostatic cartridge allows an anti-scalding safety feature for the maximum comfort to the user. In case of cold water supply failure, the valve automatically shutdowns the waterflow.

- *BURST PRESSURE*
  Withstands a burst pressure up to 25bar.

- *HIGH STABILITY MATERIALS*
  High stability thermoplastic materials help reducing limescale.

- *LEAD FREE*
  Lead free and chloramine resistant options.

- *SLIM VERSION*
  TM006 BASIC reduced diameter makes it easier to fit in slim applications and the manufacturer has wider design options.

TM006 BASIC

REF.07TM0613



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

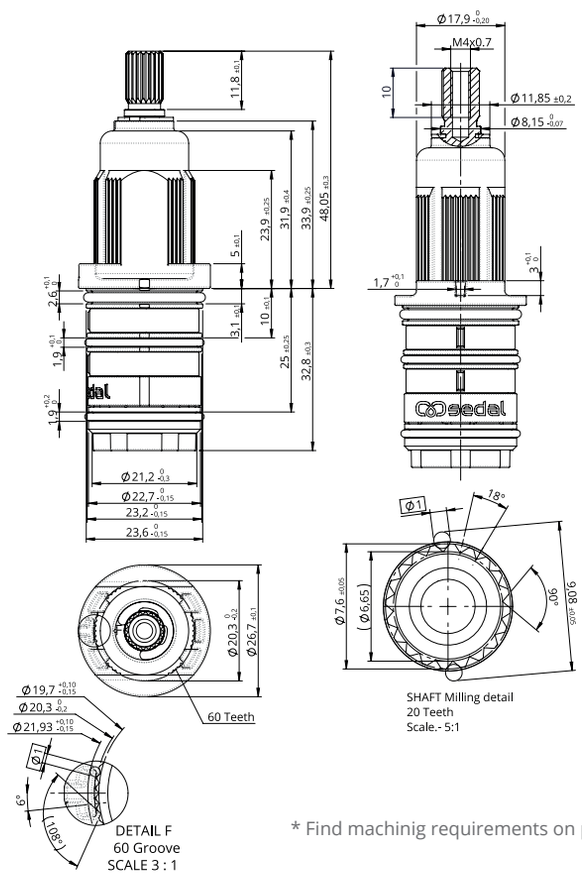


BATH-SHOWERS
Specially designed for bath showers.

CERTIFICATIONS *

ACS

DIMENSIONS



* Find machinig requirements on pages 178-179

TECHNICAL SPECIFICATIONS

General	TM006/ NSF/ 4MS
Standards*	EN-1111 QB/T5418-2019
Burst pressure	>25 bar
Life cycle - EN-1111	50,000 cycles
Max. hot water	90ºC
Noise level	17.8 - 21.1 dB

Operation torque	TM006/ NSF/ 4MS
Turn left-right	0.03 - 0.18 Nm
Sensitivity (36-40ºC) (handle 20mm)	18-21 mm
Cold water supply failure test	Perfect cutting

Flow rate (free flow)	TM006 / TM001 4MS
at 0.1 bar	3 l/min
at 0.5 bar	7 l/min
at 3 bar	20 l/min
at 5 bar	26.4 l/min

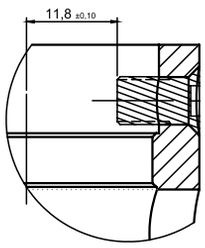
* Different references. The compliance of standards does not only depend on the thermostatic cartridge but also on the construction of the faucet body and other elements.

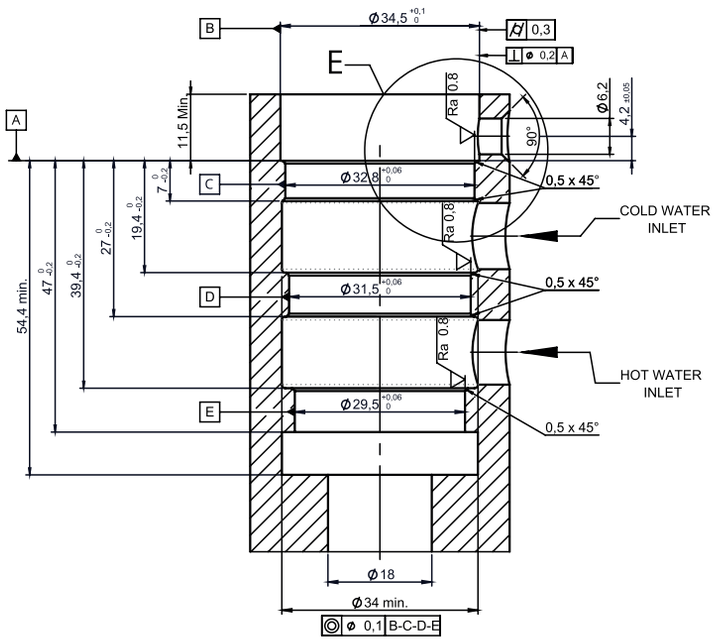
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

MACHINING REQUIREMENTS

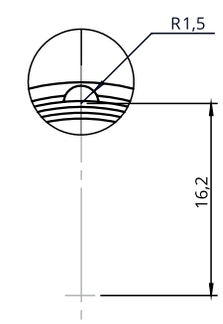
CHART OF MACHINING REQUIREMENTS

DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
34 mm	TM001	07TM00100	162	
	TM001 HP	07TM0102	164	
	TM001 LP	07TM0131	166	
	TM001 BASIC	07TM0119	168	

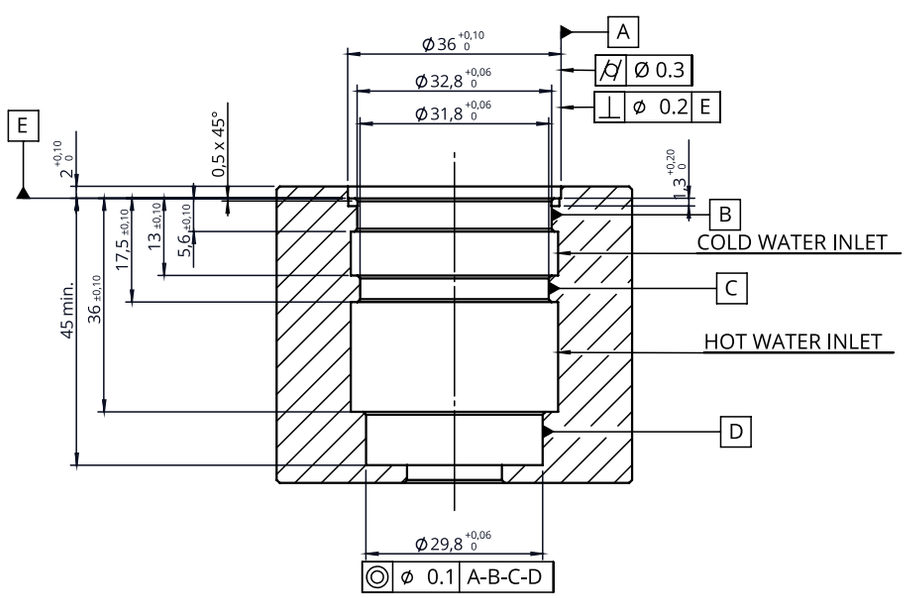




DIAMETER	CARTRIDGE	REFERENCE	PAGE	MACHINING TIP
34 mm	TM001 C	07TM0112	170	

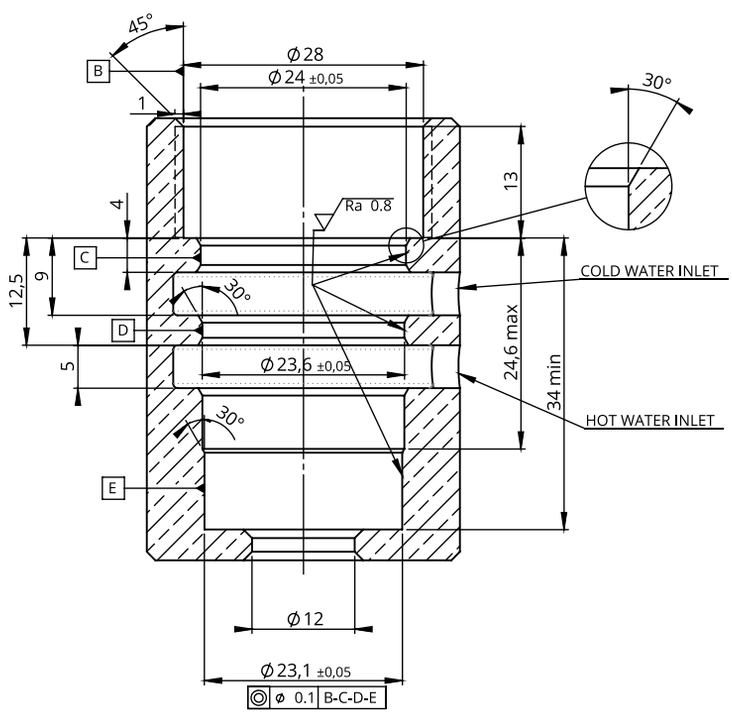


DETALLE H
ESCALA 2 : 1



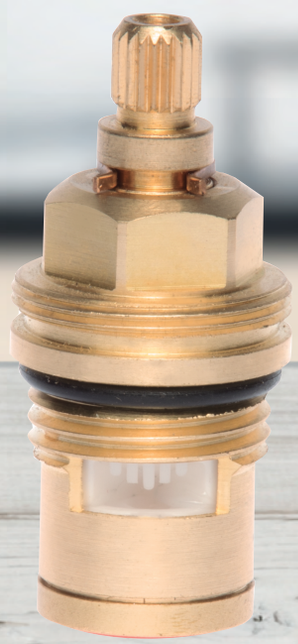
DIAMETER	CARTRIDGE	REFERENCE	PAGE
27 mm	TM006	07TM0101	172
	TM006 K	07TM0606	174
	TM006 BASIC	07TM0607	176

MACHINING TIP



CERAMIC HEADWORKS

Complete range of ceramic headworks with plastic, brass or inox bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow. Plastic versions are suitable for low-lead applications.



BRASS
HEADWORKS

19MC 90º

DESCRIPTION

Complete range of ceramic headworks with brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES



ROTATION ANGLE
Headwork with 90º rotation angle.



TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

- *LONG LIFE YCLE*
  1.000.000 ASME cycles life test.

- *COMPLETE RANGE*
  Complete range of ceramic and conventional headworks.

- *BODY MATERIALS*
  High-resistant thermoplastics, brass and stainless steel bodies available.

- *VERSIONS*
  Right and left to close versions and different rotation angles (90º and 180º)

- *DIFFERENT LENGTH SHAFTS*

  Sedal offers a wide range of length shafts that the client can customize depending on its needs. It is also possible to design other shaft geometries.

- *OEM CUSTOMIZATION*

  Sedal offers to the manufacturer the possibility of designing and producing OEM headworks that meet their specific requirements and needs.

19MC 90º

1/2

REF.19MC01 (right·blue)

REF.19MC04 (left·red)



19MC 90º

1/2 - HIGH FLOW

REF.19MC090R81 (right·blue)

REF.19MC090L55 (left·red)



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



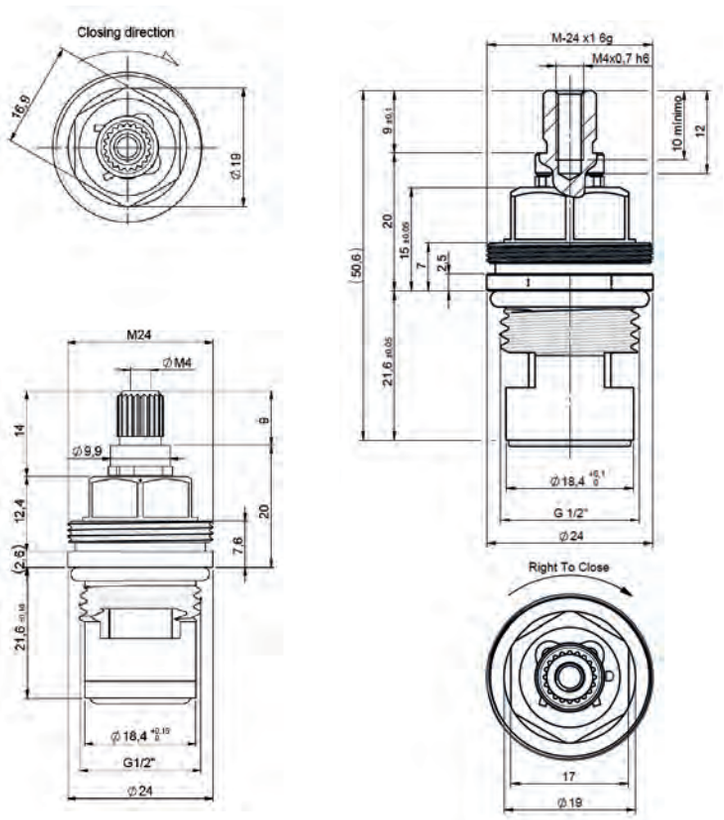
KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW ACS WRAS NSF NF

* Ready for NF

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	19MC 90º	19MC 90º HF
Installation torque (recommended)	10-12 Nm	10-12 Nm
Rotation angle	90º	90º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - ASME A 112	35 bar	35 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 200 ASME A112	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MC 90º	19MC 90º HF
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MC 90º	19MC 90º HF
at 0.1 bar	3.8 l/min	6.10 l/min
at 1 bar	13.5 l/min	21.3 l/min
at 3 bar	23.9 l/min	37.2 l/min
at 5 bar	30.8 l/min	48.4 l/min

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

BRASS
HEADWORKS

19MC 90º
3/8

REF.19MC090L20

REF.19MC090R29



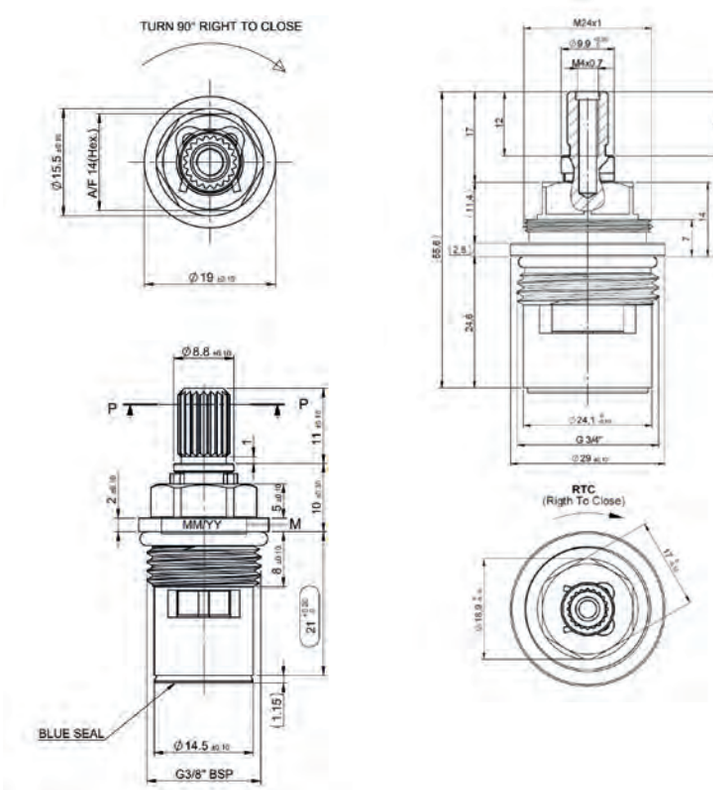
19MC 90º
3/4

REF.19MC090R64



DOWNLOAD DATA SHEET

DIMENSIONS



DESCRIPTION

Complete range of ceramic headworks with brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES

ROTATION ANGLE
Headwork with 90º rotation angle.

TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW ACS NSF NF * Ready for NF

TECHNICAL SPECIFICATIONS

General	19MC 90º SQ	19MC 90º 3/4
Installation torque (recommended)	10-12 Nm	10-12 Nm
Rotation angle	90º	90º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - EN 200	25 bar	25 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 200	200,000 cycles	200,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MC 90º SQ	19MC 90º 3/4
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MC 90º SQ	19MC 90º 3/4
at 0.1 bar	2.7 l/min	4.4 l/min
at 1 bar	10.9 l/min	14.5 l/min
at 3 bar	18.5 l/min	25.9 l/min
at 5 bar	25 l/min	-

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

19MC 90º

M17

REF.19MC090L21



19MC 90º

M17

REF.19MC090R30



DESCRIPTION

Complete range of ceramic headworks with brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES

ROTATION ANGLE
Headwork with 90º rotation angle.

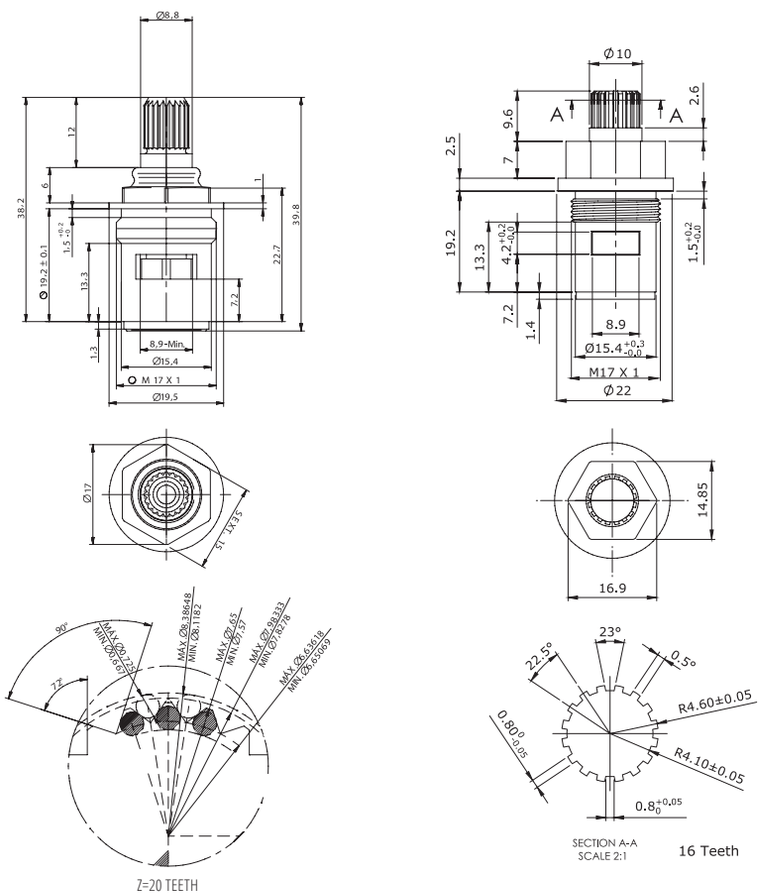
ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

RECOMMENDED APPLICATIONS



DIMENSIONS



CERTIFICATIONS

KTW ACS NSF NF * Ready for NF

TECHNICAL SPECIFICATIONS

General	19MC 90º C	19MC 90º WH
Installation torque (recommended)	10-12 Nm	10-12 Nm
Rotation angle	90º	90º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - EN 200	25 bar	25 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 200	200,000 cycles	200,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MC 90º C	19MC 90º WH
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MC 90º C	19MC 90º WH
at 0.1 bar	3 l/min	3 l/min
at 1 bar	11.8 l/min	11.8 l/min
at 3 bar	21.7 l/min	21.7 l/min
at 5 bar	28.1 l/min	28.1 l/min

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

BRASS
HEADWORKS

19MC 180º
1/2
REF. 19MC03 (Right-Blue)
REF. 19MC05 (Left-Red)



DOWNLOAD DATA SHEET

19MC 2 180º
1/2- HIGH FLOW
REF. 19MC018R12



DOWNLOAD DATA SHEET

DESCRIPTION

Complete range of ceramic headworks with brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES

ROTATION ANGLE
Headwork with 180º rotation angle.

TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

RECOMMENDED APPLICATIONS

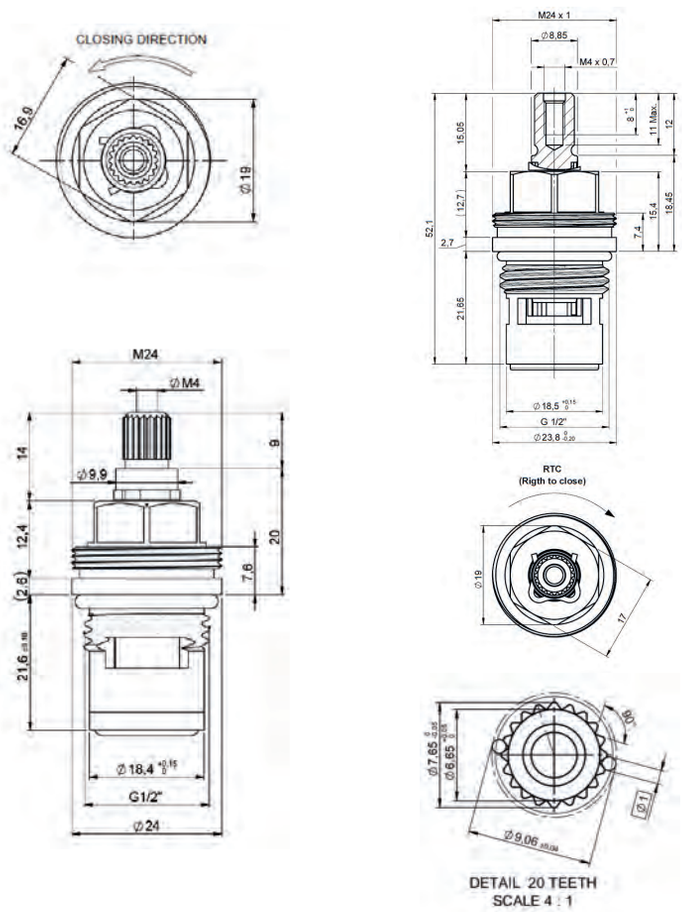


CERTIFICATIONS

KTW ACS NF

* Ready for NF

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	19MC 180º	19MC 2 180º
Installation torque (recommended)	10-12 Nm	10-12 Nm
Rotation angle	180º	180º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - ASME A 112	35 bar	35 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 200 ASME A112	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water	90ºC	90ºC
Operation Torque	**19MC 180º**	**19MC 2 180º**
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm
Flow rate (free flow)	**19MC 180º**	**19MC 2 180º**
at 0.1 bar	3.8 l/min	5.8 l/min
at 1 bar	9.9 l/min	13.6 l/min
at 3 bar	17.6 l/min	24.0 l/min
at 5 bar	22.6 l/min	-

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

19MC 90º

1/2- FH CHROMED

REF.19MC090R32



DESCRIPTION

Complete range of ceramic headworks with chromed brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES

ROTATION ANGLE
Headwork with 90º rotation angle.

ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

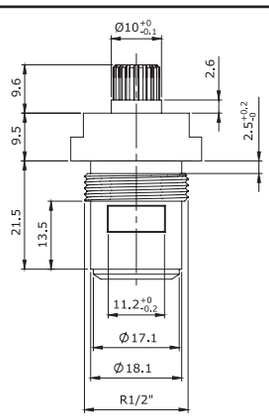
RECOMMENDED APPLICATIONS

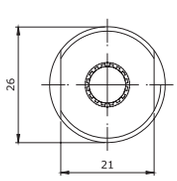


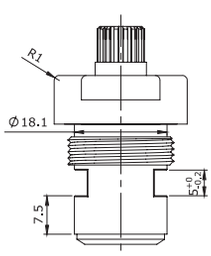
CERTIFICATIONS

WRAS

DIMENSIONS







TECHNICAL SPECIFICATIONS

General	19MC 90º FH
Installation torque (recommended)	10-12 Nm
Rotation angle	90º
Working pressure (recommended)	1-5 bar
Pressure resistance - ASME A 112	25 bar
Burst pressure	-
Life cycle - EN 200 ASME A112	200,000 cycles
Max. hot water	90ºC
Operation Torque	**19MC 90º FH**
Turn left-right	0.100-0.200 Nm
Flow rate (free flow)	**19MC 90º FH**
at 0.1 bar	3.8 l/min
at 1 bar	13.5 l/min
at 3 bar	23.9 l/min
at 5 bar	30.8 l/min

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

BRASS
CONVENTIONAL HEADWORKS

DESCRIPTION

Complete range of conventional headworks with brass bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES



CONVENTIONAL HEADWORK
Headwork with conventional movement



TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

19MN
1/2

REF. 19MN01



19MN
1/2 - LS

REF. 19MN015



DOWNLOAD
DATA SHEET

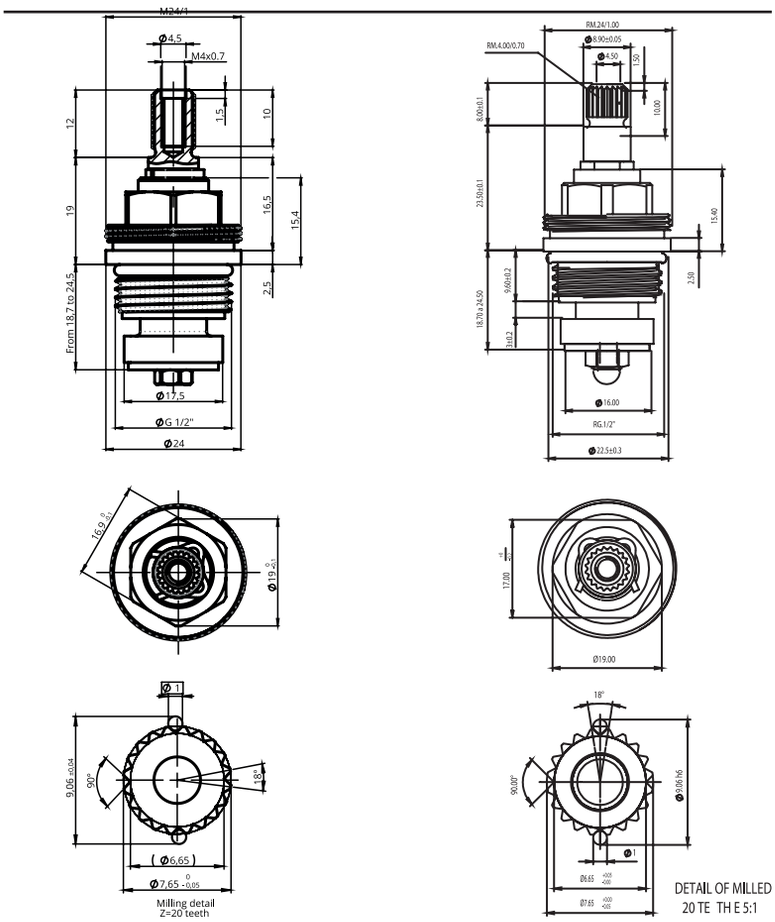
RECOMMENDED APPLICATIONS



CERTIFICATIONS

ACS NF

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	19MN	19MN LS
Installation torque (recommended)	10-12 Nm	10-12 Nm
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - EN 200	25 bar	25 bar
Burst pressure	>50 bar	>50 bar
Life cycle - EN 200	200,000 cycles	200,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MN	19MN LS
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MN	19MN LS
at 0.1 bar	4.5 l/min	4.5 l/min
at 1 bar	16.3 l/min	16.3 l/min
at 3 bar	29 l/min	29 l/min
at 5 bar	35.5 l/min	35.5 l/min

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

STAINLESS STEEL
HEADWORKS

19MC 90º

DESCRIPTION

Complete range of ceramic headworks with stainles steel bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES



ROTATION ANGLE
Headwork with 90º rotation angle.



TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

- *LONG LIFE YCLE*
  500.000 ASME cycles life test.

- *COMPLETE RANGE*
  Complete range of ceramic and conventional headworks.

- *BODY MATERIALS*
  High-resistant thermoplastics, brass and stainless steel bodies available.

- *VERSIONS*
  Right and left to close versions and different rotation angles (90º and 180º)

- *DIFFERENT LENGTH SHAFTS*

  Sedal offers a wide range of length shafts that the client can customize depending on its needs. It is also possible to design other shaft geometries.

- *OEM CUSTOMIZATION*

  Sedal offers to the manufacturer the possibility of designing and producing OEM headworks that meet their specific requirements and needs.

19MC 90º

1/2 - IX

REF.19MC090R103 (Right-Blue)

REF.19MC090L70 (Left-Red)



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.

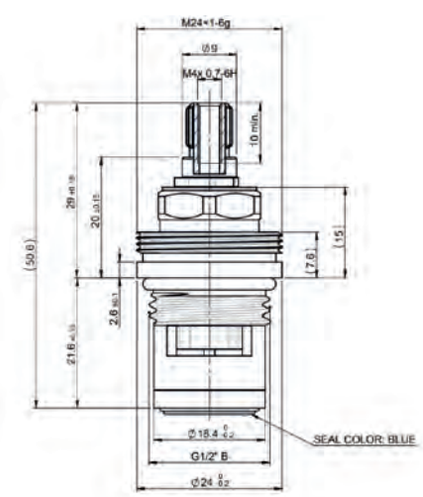


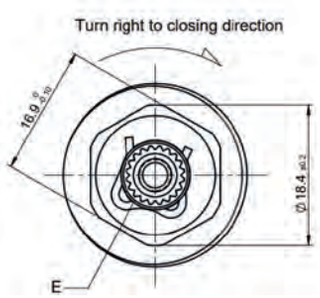
BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	19MC 90º IX
Assembly torque	10-12 Nm
Rotation angle	90º
Working pressure (recommended)	1-5 bar
Pressure resistance - ASME A 112	35 bar
Burst pressure	>50 bar
Life cycle - EN 200 ASME A112	200,000 cycles 500,000 cycles
Max. hot water	90ºC
Max. Hot water recommended	65ºC
Flow rate at 3 bar (free flow)	23,9 l/min
Turn left – right	0.100 - 0.200 Nm

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

PLASTIC
HEADWORKS

19MCP 90º

DESCRIPTION

Complete range of ceramic headworks with plastic bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES



LEAD FREE
Suitable for low-lead applications.



ROTATION ANGLE
Headwork with 90º rotation angle.



TAYLOR MADE
Possibility to change size and finish.

ADVANTAGES

- *LONG LIFE YCLE*
  1.000.000 ASME cycles life test.

- *COMPLETE RANGE*
  Complete range of ceramic and conventional headworks.

- *BODY MATERIALS*
  High-resistant thermoplastics, brass and stainless steel bodies available.

- *LEAD FREE*
  Chloramine resistant lead free brass body and stem options. Plastic versions are suitable for low-lead applications.

- *VERSIONS*
  Right and left to close versions and different rotation angles (90º and 180º)

- *DIFFERENT LENGTH SHAFTS & GEOMETRIES*
  Sedal offers a wide range of length shafts that the client can customize depending on its needs. It is also possible to design other shaft geometries.

- *OEM CUSTOMIZATION*
  Sedal offers to the manufacturer the possibility of designing and producing OEM headworks that meet their specific requirements and needs.

19MCP 90º

1/2

REF.19MCP90R27 (right·blue)

REF.19MCP90L20 (left·red)



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



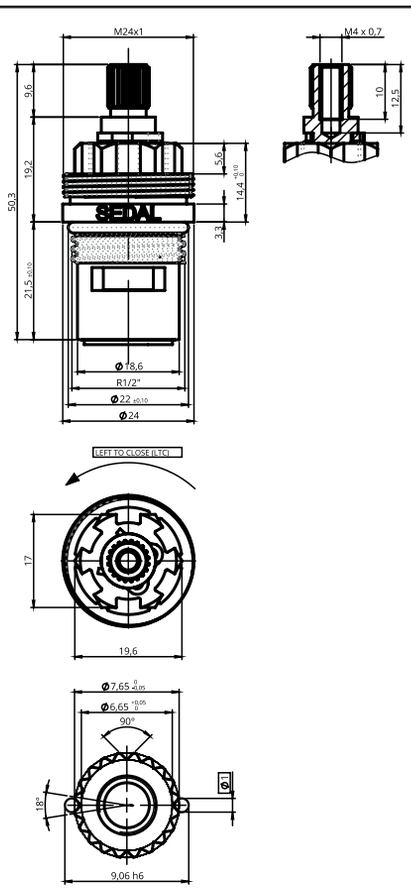
KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

KTW ACS NF

* Ready for NF

DIMENSIONS



Milling detail
z=20 teeth
Scale - 5:1

TECHNICAL SPECIFICATIONS

General	19MCP 90º	19MCP 90º LS
Installation torque (recommended)	8-10 Nm	8-10 Nm
Rotation angle	90º	90º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - ASME A 112	35 bar	35 bar
Life cycle - EN 200 ASME A112	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MCP 90º	19MCP 90º LS
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MCP 90º	19MCP 90º LS
at 0.1 bar	3.6 l/min	3.6 l/min
at 1 bar	12.7 l/min	12.7 l/min
at 3 bar	22.4 l/min	22.4 l/min
at 5 bar	29.1 l/min	29.1 l/min

* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

PLASTIC
HEADWORKS

19MCP 180º
1/2

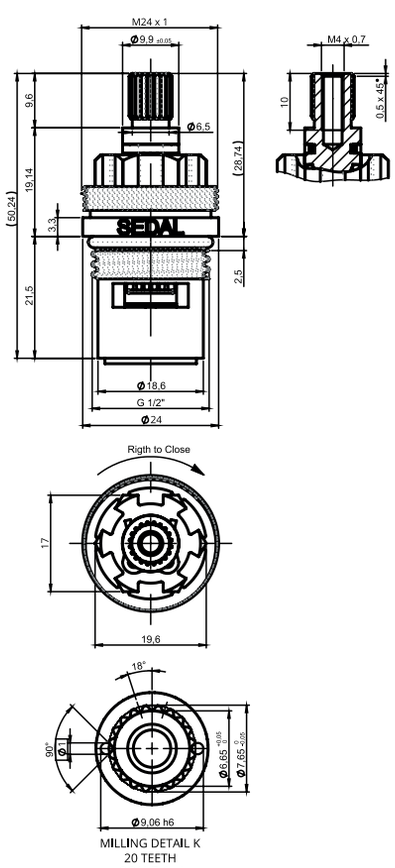
REF.19MCP18R01 (right·blue)

REF.19MCP18L01 (left·red)



DOWNLOAD DATA SHEET

DIMENSIONS



DESCRIPTION

Complete range of ceramic headworks with plastic bodies suitable for all applications in which high performance valves are required, withstanding great mechanical requirements and providing the same water flow.

FEATURES

LEAD FREE
Suitable for low-lead applications.

ROTATION ANGLE
Headwork with 180º rotation angle.

ADVANTAGES

Sedal offers a wide range of length shafts that the client can customize depending on ots needs. It is also possible to design other shaft geometries.

RECOMMENDED APPLICATIONS



CERTIFICATIONS

KTW ACS NF

* Ready for KTW & NF

TECHNICAL SPECIFICATIONS

General	19MCP 180º	19MCP 180º LS
Installation torque (recommended)	8-10 Nm	8-10 Nm
Rotation angle	180º	180º
Working pressure (recommended)	1-5 bar	1-5 bar
Pressure resistance - ASME A 112	35 bar	35 bar
Life cycle - EN 200 ASME A112	200,000 cycles 500,000 cycles	200,000 cycles 500,000 cycles
Max. hot water	90ºC	90ºC

Operation Torque	19MCP 180º	19MCP 180º LS
Turn left-right	0.100-0.200 Nm	0.100-0.200 Nm

Flow rate (free flow)	19MCP 180º	19MCP 180º LS
at 0.1 bar	3.8 l/min	3.8 l/min
at 1 bar	13.4 l/min	13.4 l/min
at 3 bar	23.3 l/min	23.3 l/min
at 5 bar	30.2 l/min	30.2 l/min

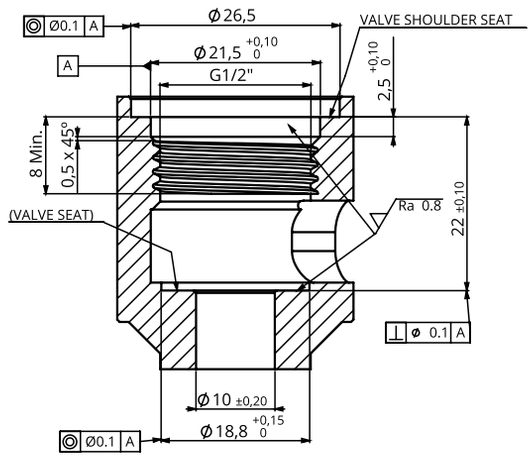
* Find machinig requirements on page 195.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

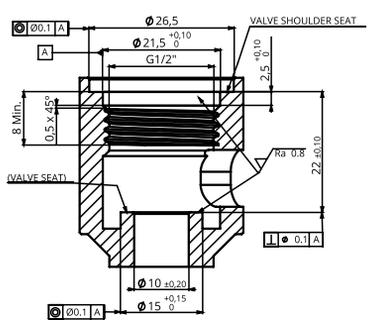
PRODUCT	REFERENCE	PAGE
19MC 90°	19MC01 (Right-Blue) 19MC04 (Left-Red)	182
19MC 90° HF	19MC090R81 (right·blue) 19MC090L55 (left·red)	182
19MC 90° C	19MC090L21	183
19MC 90° WH	19MC090R30	183
19MC 180°	19MC03 (Right-Blue) 19MC05 (Left-Red)	184
19MC 2 180° HF	19MC018R08	186
19MC 90° FH	19MC090R32	187
19MC 90° IX	19MC090R33	190
19MCP 90°	19MCP90R01 (Right-Blue) 19MCP90L01 (Left-Red)	192
19MCP 180°	19MCP18R01 (Right-Blue) 19MCP18L01 (Left-Red)	194

MACHINING TIP



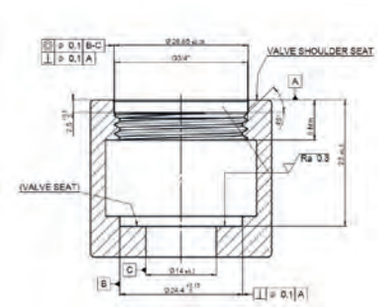
PRODUCT	REFERENCE	PAGE
19MN	19MN01	188
19MN LS	19MN015	188

MACHINING TIP



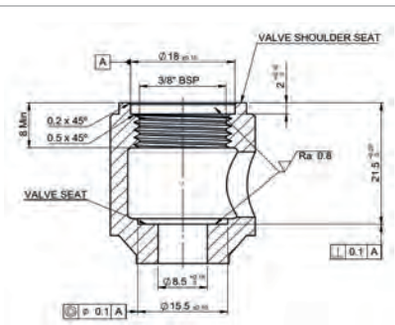
PRODUCT	REFERENCE	PAGE
19MC 90° 3/4	19MC090R64	184

MACHINING TIP



PRODUCT	REFERENCE	PAGE
19MC 90° 3/8	19MC090L20 19MC090R29	184

MACHINING TIP



SHOWER DIVERTERS

Diverters with automatic return specially designed for bath showers because allows to have two different outlets while keeping slim designs.



SHOWER
DIVERTERS

COMPACK

REF.09CKCR00



DOWNLOAD DATA SHEET

COMPACK +R

REF.09CKCR10



DOWNLOAD DATA SHEET

DESCRIPTION

These diverters with automatic return fit specially good in bath showers because allows to have two different outlets while keeping slim designs. Mixed water entersinlet 3 and exits either outlet 1 or 2.

FEATURES

2 OUT

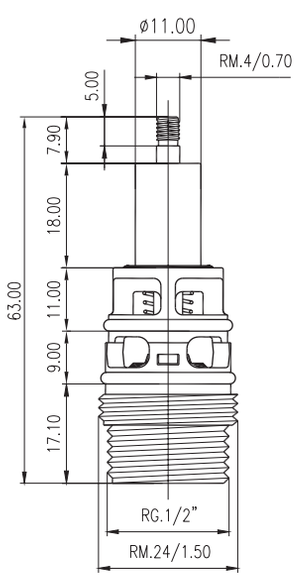
OUTLETS
Diverter cartridge with two outlets.

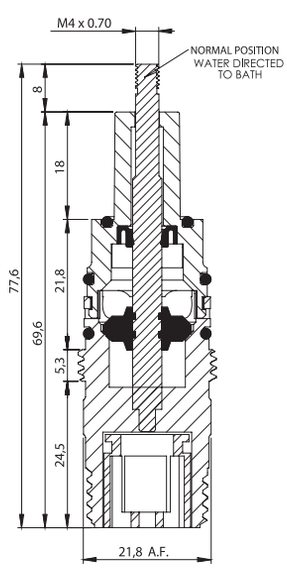
RECOMMENDED APPLICATIONS



SHOWERS DIVERTERS
Specially designed for showers with diverters.

DIMENSIONS





CERTIFICATIONS

ACS

TECHNICAL SPECIFICATIONS

General	Compack	Compack +R
Operative	Manual and automatic	Manual and automatic
Torque	5-8 Nm	5-8 Nm
Pressure resistance	max. 12 bar	max. 12 bar
Working pressure	12 bar	12 bar
Max. temperature	90 ºC	90 ºC
Endurance test	>30,000 cycles	>30,000 cycles

* Find machinig requirements on page 200.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

SEDAL

REF.09SGCR01



DOWNLOAD DATA SHEET

USA

REF.09TUCR00



DOWNLOAD DATA SHEET

DESCRIPTION

These diverters with automatic return fit specially good in bath showers because allows to have two different outlets while keeping slim designs. Mixed water entersinlet 3 and exits either outlet 1 or 2.

FEATURES

2 OUT

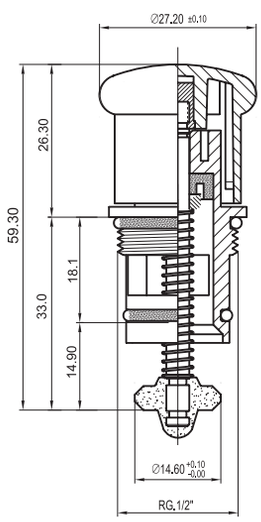
OUTLETS
Diverter cartridge with two outlets.

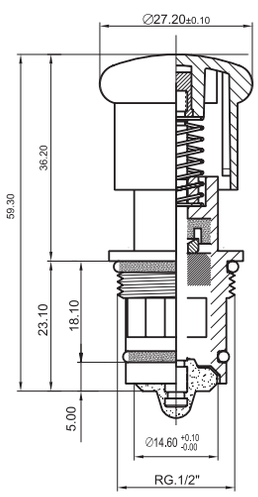
RECOMMENDED APPLICATIONS



SHOWERS DIVERTERS
Specially designed for showers with diverters.

DIMENSIONS





TECHNICAL SPECIFICATIONS

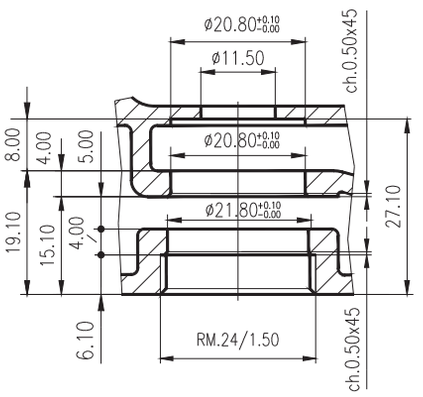
General	Sedal	USA
Operative	Manual and automatic	Manual and automatic
Torque	5-8 Nm	5-8 Nm
Pressure resistance	max. 12 bar	max. 12 bar
Working pressure	12 bar	12 bar
Max. temperature	90 ºC	90 ºC
Endurance test	>30,000 cycles	>30,000 cycles

* Find machinig requirements on page 201.
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

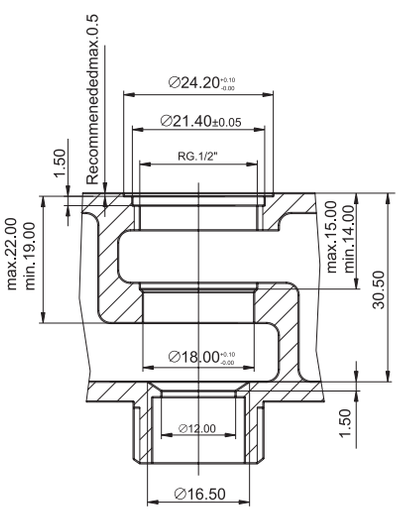
MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

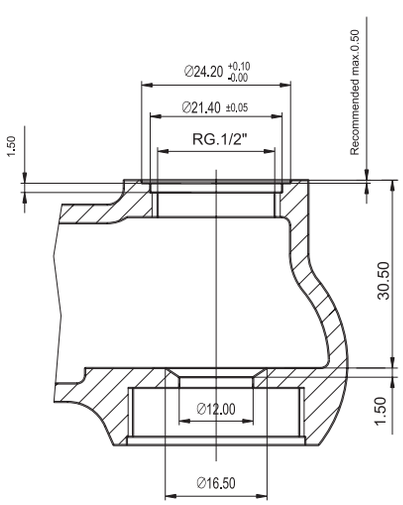
PRODUCT	REFERENCE	PAGE	MACHINING TIP
COMPACK	09CKCR00	198	
COMPACK +R	09CKCR10	198	



PRODUCT	REFERENCE	PAGE	MACHINING TIP
SEDAL	09SGCR01	199	



PRODUCT	REFERENCE	PAGE	MACHINING TIP
USA	09TUCR00	199	



SELF-CLOSING VALVES

Self-closing valves are automatic shut-off valves for public venues ensuring water saving.



SELF-CLOSING
VALVES

URINAL
REF. 19MTU0C05



DOWNLOAD DATA SHEET

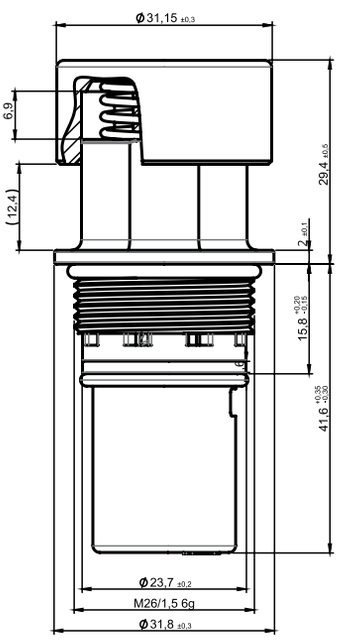
BASIN
REF. 19MTB0C05 (cold)
REF. 19MTB0H05 (mix)



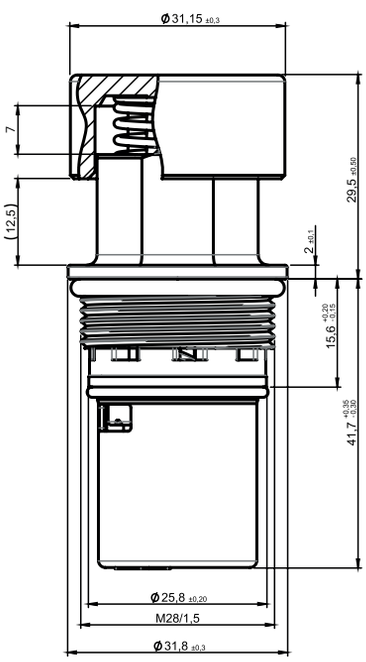
DOWNLOAD DATA SHEET

OTHER VERSIONS	URINAL	BASIN
M26	REF. 19MTU0C06	REF. 19MTB0C06 (cold) REF. 19MTB0H06 (mix)

DIMENSIONS



M26



M28

DESCRIPTION

Metering valves are automatic shut-off valves for public venues ensuring water saving. All metering valves are available in M26 and M28.

FEATURES

ECO
Environmental sustainability feature.

AUTOMATIC SHUT-OFF
Shuts off automatically after a limited period of time.

AUTO-CLEANING
Auto-cleaning system to avoid lime scale.

RECOMMENDED APPLICATIONS

URINALS
Recommended for public urinaries.

WASHBASINS
Specially designed for public washbasins

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

TECHNICAL SPECIFICATIONS

General	URINAL	BASIN
Max. working pressure	6 bar	6 bar
Burst pressure	>25 bar	>25 bar
Lyfe cycle EN-816	210.000	210.000
Flow rate at 3 bar		
Free flow (DN13 hose)	17 l/min	17 l/min
C-Restrictor (DN13 hose)	14.5 l/min	14.5 l/min
Actuation time	7 ± 3 s	15 ± 5 s

* Find machinig requirements on page 206.

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

SHOWER
REF. 19MTS0C05



DOWNLOAD DATA SHEET

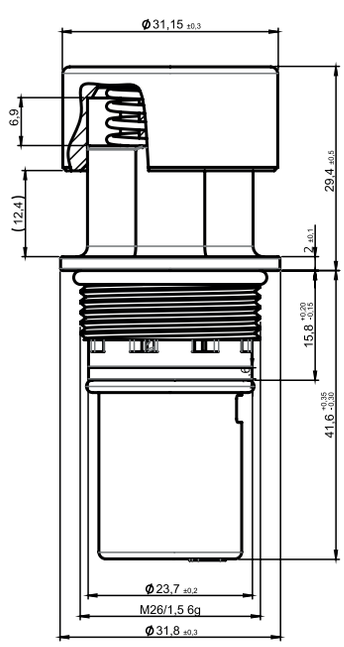
ADJUSTABLE
REF. 19MTA0C05



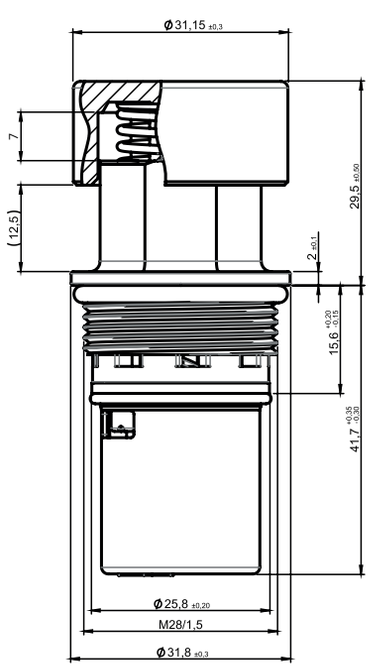
DOWNLOAD DATA SHEET

OTHER VERSIONS	SHOWER	ADJUSTABLE
M26	REF.19MTS0C06	REF. 19MTA0C06

DIMENSIONS



M26



M28

DESCRIPTION

Metering valves are automatic shut-off valves for public venues ensuring water saving. All metering valves are available in M26 and M28.

FEATURES

ECO
Environmental sustainability feature.

ADJUSTABLE
The user can limit the time of use of meltering valve,

AUTOMATIC SHUT-OFF
Shuts off automatically after a limited period of time.

RECOMMENDED APPLICATIONS

SHOWERS
Recommended for public showers.

WASHBASINS
Specially designed for public basins.

URINALS
Recommended for public urinaries.

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

HOTELS
Reccomended for hotels.

TECHNICAL SPECIFICATIONS

General	SHOWER	ADJUSTABLE
Max. working pressure	6 bar	6 bar
Burst pressure	>25 bar	>25 bar
Lyfe cycle EN-816	210.000	210.000
Flow rate at 3 bar		
Free flow (DN13 hose)	17 l/min	17 l/min
C-Restrictor (DN13 hose)	14.5 l/min	14.5 l/min
Actuation time	30 $^{+5s}_{-10}$	15 ± 5 s

* Find machinig requirements on page 206.

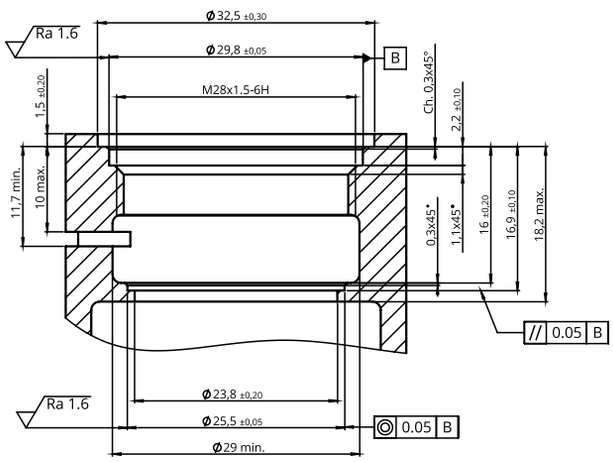
Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet
*Peak or limited time condition.

MACHINING REQUIREMENTS

CHART OF MACHINING REQUIREMENTS

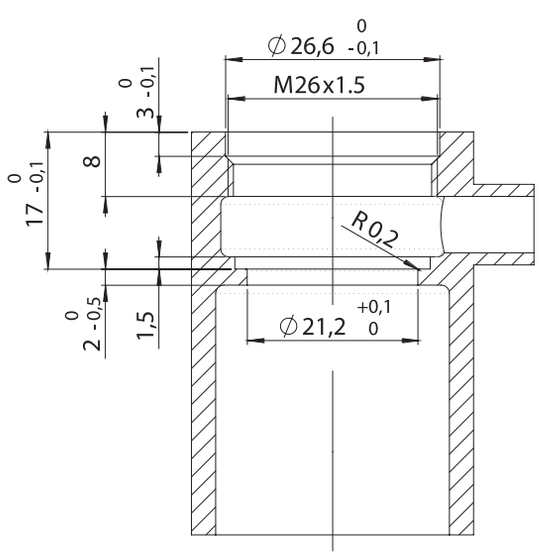
PRODUCT	REFERENCE	PAGE
URINAL	19MTU0C05	204
BASIN	19MTB0C05 (cold) 19MTB0H05 (hot)	204
SHOWER	19MTS0C05	205
ADJUSTABLE	19MTA0C05	205

MACHINING TIP



PRODUCT	REFERENCE	PAGE
URINAL	19MTU0C06	204
BASIN	19MTB0C06 (cold) 19MTB0H06 (hot)	204
SHOWER	19MTS0C06	205
ADJUSTABLE	19MTA0C06	205

MACHINING TIP



FLEXIBLE HOSES

SEDAL's flexible hoses are manufactured according to the most demanding safety standards. 100% tested, flexible hoses are available in different combinations of materials and sizes.



FLEXIBLE
HOSES

FLEXIBLE HOSES FOR TAPS



STANDARD FLEXIBLE HOSES
DN8



DESCRIPTION

Flexible hoses for Flexible hoses for sanitary installations: taps, wash-basins, bidets, water heaters, water vessels, water storage tanks, solar water heaters and air conditioning.

Available as standard and under customer design and requirements of materials, length and fitting configuration.

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

AENOR ACS CSTBAT

TECHNICAL SPECIFICATIONS

General	Flexible hoses for taps	Standard flexible hoses DN8
End fittings	Brass	Brass CW617N
Nuts	3/8" - 1/2"	3/8" - 1/2"
Nozzle	M-8/100 - M-10/100 18mm, 35mm, 50mm	-
Sleeve	Stainless steel	Stainless steel AISI 304
Hose	E.P.D.M. sanitary hose or PEX	E.P.D.M. sanitary hose or PEX
Mesh	Mesh in stainless steel AISI 304 wire	Mesh in stainless steel AISI 304 wire
Ø Internal diameter	6mm - 8mm	8mm
Ø External diameter	10mm -12mm	12mm
Max. temperature	90ºC	90ºC
Drinking H_2O	Yes	Yes
Burst pressure	100 kg/cm^2	100 kg/cm^2
Work pressure	25 kg/cm^2	25 kg/cm^2
Curvature radius	35mm - 40mm	40mm
Nominal flow	20 l/min -25 l/min	25 l/min

MT Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet

STANDARD FLEXIBLE HOSES

DN13



STANDARD FLEXIBLE HOSES

DN19&DN25



DESCRIPTION

Flexible hoses for Flexible hoses for sanitary installations: taps, wash-basins, bidets, water heaters, water vessels, water storage tanks, solar water heaters and air conditioning.

Available as standard and under customer design and requirements of materials, length and fitting configuration.

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

TECHNICAL SPECIFICATIONS

General	Standard flexible hoses DN13	Standard flexible hoses DN19 & DN25
End fittings	Brass	Brass
Nuts	1/2" - 3/4"	3/4" - 1"
Sleeve	Stainless steel	Stainless steel
Hose	E.P.D.M. sanitary hose	E.P.D.M. sanitary hose
Mesh	Mesh in stainless steel AISI 304 wire	Mesh in stainless steel AISI 304 wire
Ø Internal diameter	13mm	19mm - 25mm
Ø External diameter	19mm	27mm - 33mm
Max. temperature	90°C	90°C
Drinking H_2O	Yes	Yes
Burst pressure	90 kg/cm^2	-
Work pressure	15 kg/cm^2	10 kg/cm^2
Curvature radius	50mm	70mm - 100mm
Nominal flow	70 l/min	120 l/min - 200 l/min

FLEXIBLE
HOSES

FLEXIBLE HOSES WITH BICONE
DN8



FLEXIBLE HOSES WITH ELBOW



DESCRIPTION

Flexible hoses for Flexible hoses for sanitary installations: taps, wash-basins, bidets, water heaters, water vessels, water storage tanks, solar water heaters and air conditioning.

Available as standard and under customer design and requirements of materials, length and fitting configuration.

RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins.



BATH-SHOWERS
Specially designed for bath showers.



KITCHENS
Suitable for use in kitchens.

CERTIFICATIONS

AENOR ACS CSTBAT

TECHNICAL SPECIFICATIONS

General	Flexible hoses with bicone DN8	Flexible hoses with elbow			
End fittings	Brass	Brass			
Elbow	-	Brass			
Bicone	Ø 10 Ø 12 Ø 14	-			
Sleeve	Stainless steel	Stainless steel			
Hose	E.P.D.M. sanitary hose	E.P.D.M. sanitary hose			
Mesh	Mesh in stainless steel AISI 304 wire	Mesh in stainless steel AISI 304 wire			
Nuts	3/8" - 1/2"	3/8" - 1/2"	1/2" - 3/4"	3/4"	1"
Ø Internal diameter	8mm	8mm	13mm	19mm	25mm
Ø External diameter	12mm	12mm	19mm	27mm	33mm
Max. temperature	90ºC	90ºC	90ºC	90ºC	90ºC
Drinking H_2O	Yes - No	Yes	Yes	Yes	Yes
Burst pressure	100 kg/cm^2	100 kg/cm^2	80 kg/cm^2	60 kg/cm^2	35 kg/cm^2
Work pressure	25 kg/cm^2	25 kg/cm^2	20 kg/cm^2	15 kg/cm^2	15 kg/cm^2
Curvature radius	40mm	40mm	45mm	40mm	40mm
Nominal flow	25 l/min	25 l/min	65 l/min	120 l/min	200 l/min

Only applies to officially listed products.
Tested at Sedal's lab with Sedal's standard faucet



ELECTRONICS RANGE

SEDAL'S electronic devices provide fast response, high reliability and anti-scalding safety features thanks to the combination of materials, design and high quality sensors.

sedal
DIGITAL SYSTEMS

S-FLOW
NEW APP FOR DIGITAL MIXERS

s-Flow is an all new free APP to control digital faucets and showers, adding flexibility to the system by allowing users to set up and manage their devices. Featuring smart shower programs, personal features configuration, automatic warm up parameters, maintenance, statistics and much more, s-Flow is easy to use and powerful.





Available on the Google Play

Download on the App Store

VOICE CONTROL

Our IoT devices can be operated by voice assistants thanks to our skill, developed specifically for water digital mixers by SEDAL. Users can access all native features of the valves by asking their voice assistant to do actions like turn on the shower at a specific temperature, activate the warm up function or turn on a scene that can include music, lighting and a relaxing shower session*



* Scenes are set up by the user in the voice assistant APP (Alexa or Google Home) by combining with s-Flow other devices and skills from third parties not related to SEDAL.



SUMMUM

SMART THERMOSTATIC SHOWER SYSTEMS

· SUMMUM ·

Summum is a Smart showering system consisting on 3 main component families: Digital Mixers, User Interfaces and Connectivity with APP and Cloud structures.

Summum is SDS's high end shower system. These range are made up of thermostatic and flow-static mixing devices that together with digital interfaces offer the highest performance in the shower.

MOZAIC

			PG
INTERFACES		MODULAR INTERFACE	220
		MODULAR INTERFACE	226
		MODULAR INTERFACE	227

+

SUMMUM ONE

			PG
CPUS		CPU iSCU TH_S CPU iSCU TH_SW	228
		CPU iSCU TH_S 20 CPU iSCU TH_SW20	230
		CPU iSCU TH_S 30 CPU iSCU TH_SW30	232

MOZAIC

			PG
INTERFACES		MODULAR INTERFACE	220
		MODULAR INTERFACE	226

+

SUMMUM

			PG
CPUS		CPU ISCU2 TH 20	234
		CPU ISCU2 TH 30	236
		CPU ISCU2 TH 40	238



MOZAIC

Digital Shower System Interface design program by Sedal that allows manufacturers to develop a UI in record time with little investment.

Combining pre-designed components in a free canvas, it is possible to virtually design any combination and have a customized interface for your new shower projects.

CONFIGURE YOUR OWN MOZAIC



Different shapes of housing: choose between vertical, horizontal or square.

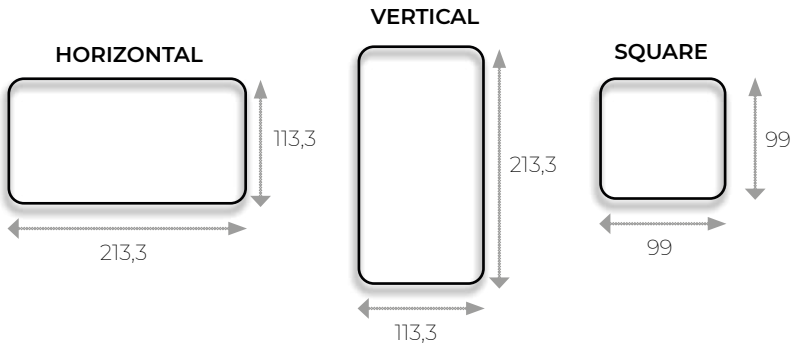
Variety of colors: we adapt the background of the panel to the color you want.

Different components: select the components that you want your digital shower system to have.

1 DIFFERENT SHAPES OF HOUSING

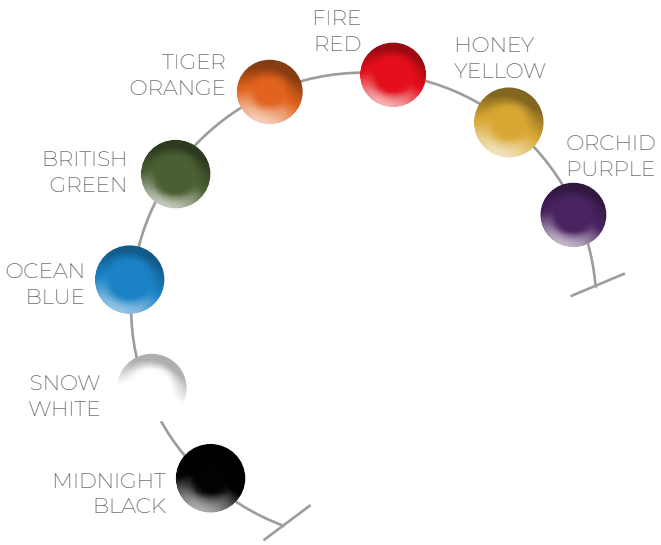
Select between three different **shapes of housing**: horizontal, vertical or square.

Additionally, choose among different trim colors.



2 VARIETY OF COLORS

Snow White, Midnight Black, Ocean Blue, Fire Red, British Green, Honey Yellow, Tiger Orange or Orchid Purple are some of the colors that you can select **for the panel of your digital shower system** and that you can combine with the available trims.



3 SELECT COMPONENTS AND FUNCTIONALITY

Up to **five different components to choose** from to configure the different smart shower options.



BUTTON

Multi purpose capacitive button with RGB lighting. For functions like ON/ OFF, selector, confirmation...



IHANDLE

Classic handle interface that works with our iTOP digital cartridge with dislay.



ITOP

Digital cartridge that moves in a similar way than a mechanical valve converting movement to digital informations.



DOTS

Modern LED dot matrix that displays different types of data like temperature, water flow, status...



TFT SCREEN

Advanced TFT display with customizable faces for detailed information delivery

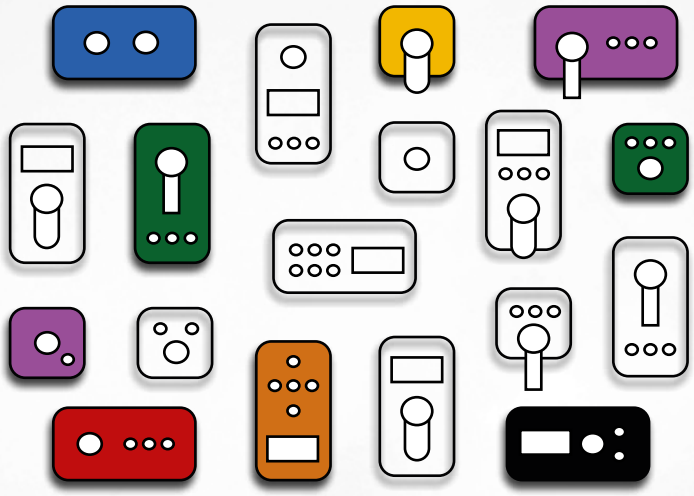


KNOB

Rotary device that transforms the angle selection into digital information to operate a digital mixer.

4 ENDLESS COMBINATIONS

Make it simple, classic, sophisticated... Our digital Shower interface program is flexible enough to cope with the needs of most shower designs to become the star of all bathrooms.



5 ELECTRONIC CERTIFICATION

Finally, selected the end configuration of the display, would be needed to perform the electronic certification of the full display finished. **NOW YOU HAVE YOUR OWN DIGITAL SHOWER SYSTEM!**

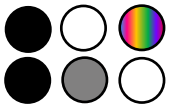
MODULAR TOUCHPAD
INTERFACE FOR SHOWERS

MOZAIC
INTERFACE

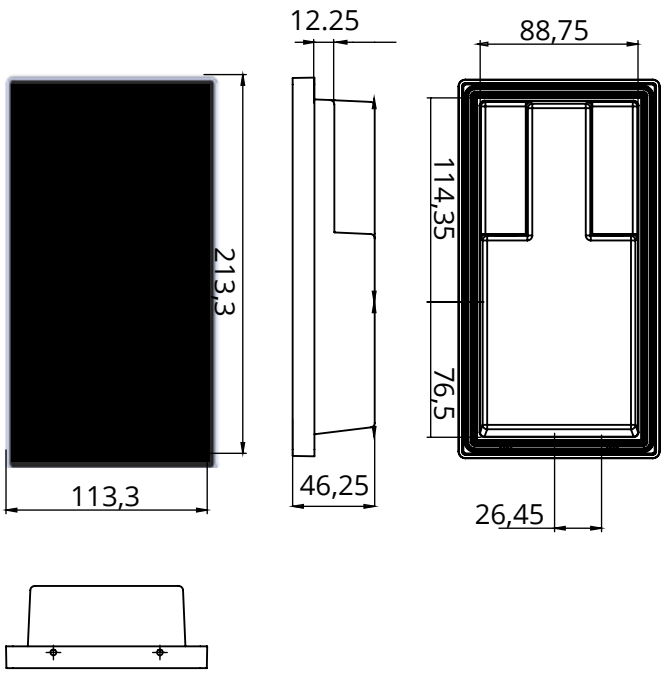
REF. 27EI008005



Polycarbonate colors
Trim finishes



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for UL.

TECHNICAL SPECIFICATIONS

Control
Temperature wheel with click feedback
Flow rate wheel with click feedback
Dot display with flow and temperature
1 to 3 outlets
User memory (initial user + 3 users)

Functions
Pause
Touchpad blocking function
Reset
Warm-up
Start-up program

Maintenance programs
Cleaning of impurities
Cleaning against legionella

Maintenance alarms and error diagnosis
Cold and hot water leakage
Cold and hot water failure
Insufficient hot water temperature
Cold water temperature high
Temperature malfunction
Communication error

Technology
Capacitive

MOZAIC

MOZAIC

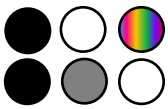
INTERFACE

REF. 27EI008009

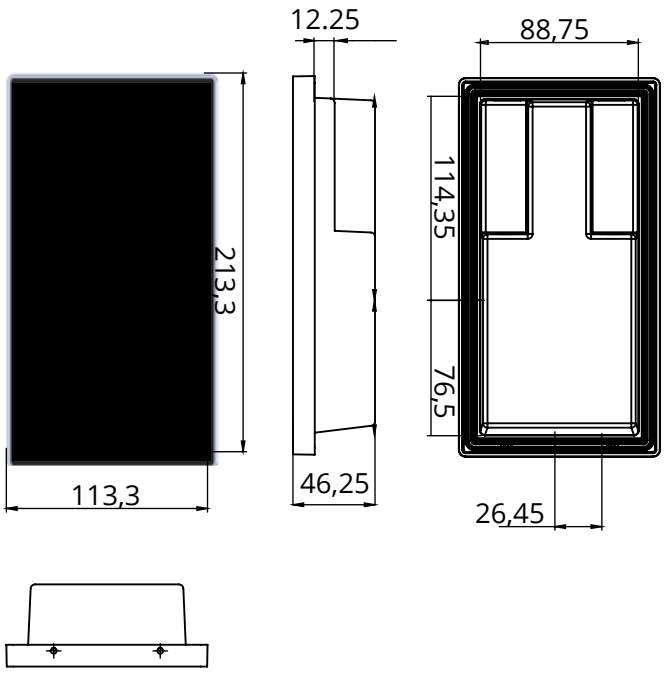


Polycarbonate colors

Trim finishes



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for UL.

TECHNICAL SPECIFICATIONS

Control
Temperature & flow by electronic handle with led feedback on handle
Dot display with flow and temperature
1 to 3 outlets
User memory (initial user + 3 users)

Functions
Pause
Touchpad blocking function
Reset
Warm-up
Start-up program

Maintenance programs
Cleaning of impurities
Cleaning against legionella

Maintenance alarms and error diagnosis
Cold and hot water leakage
Cold and hot water failure
Insufficient hot water temperature
Cold water temperature high
Temperature malfunction
Communication error

Technology
Capacitive

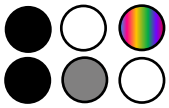
MODULAR TOUCHPAD
INTERFACE FOR SHOWERS

MOZAIC
INTERFACE

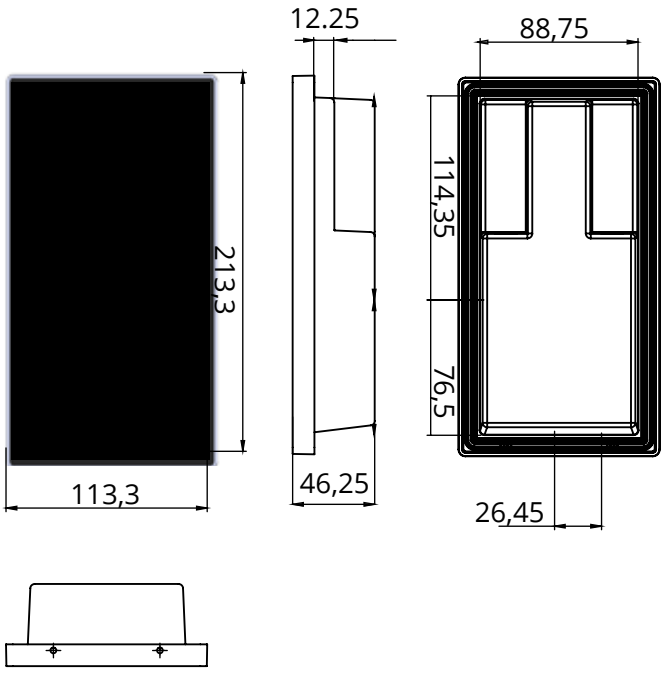
REF. 27EI008010



Polycarbonate colors
Trim finishes



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for UL.

TECHNICAL SPECIFICATIONS

Control
Temperature & flow by electronic handle with led feedback on handle Temperature & flow by electronic handle with led feedback on handle
iHandle dot display
1 to 3 outlets
User memory (initial user + 3 users)

Functions
Pause
Touchpad blocking function
Reset
Warm-up
Start-up program

Maintenance programs
Cleaning of impurities
Cleaning against legionella

Maintenance alarms and error diagnosis
Cold and hot water leakage
Cold and hot water failure
Insufficient hot water temperature
Cold water temperature high
Temperature malfunction
Communication error

Technology
Capacitive

MOZAIC

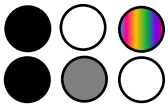
MOZAIC

INTERFACE

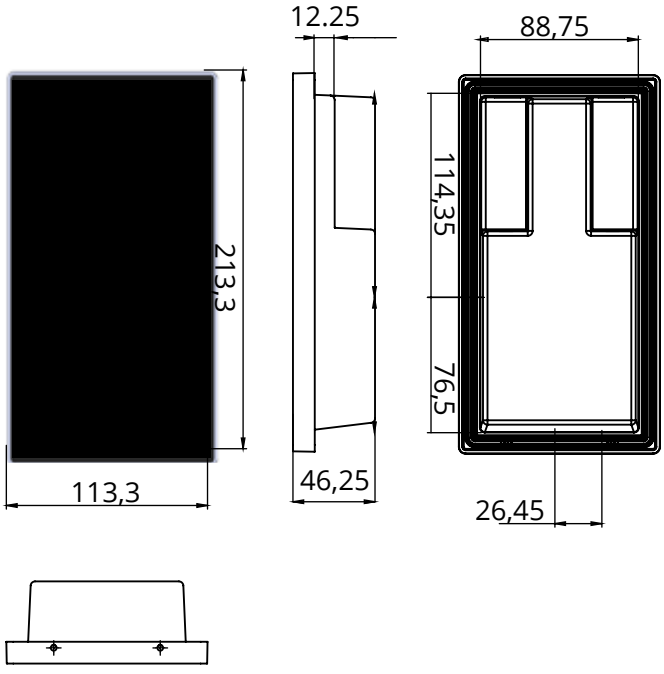
REF. 27EI008006



Polycarbonate colors
Trim finishes



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for UL.

TECHNICAL SPECIFICATIONS

Control
Temperature & flow by electronic handle with led feedback on handle
iHandle dot display
1 to 3 outlets
User memory (initial user + 3 users)

Functions
Pause
Touchpad blocking function
Reset
Warm-up
Start-up program

Maintenance programs
Cleaning of impurities
Cleaning against legionella

Maintenance alarms and error diagnosis
Cold and hot water leakage
Cold and hot water failure
Insufficient hot water temperature
Cold water temperature high
Temperature malfunction
Communication error

Technology
Capacitive

MODULAR TOUCHPAD
INTERFACE FOR SHOWERS

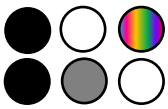
MOZAIC
INTERFACE

REF. 27EI000005

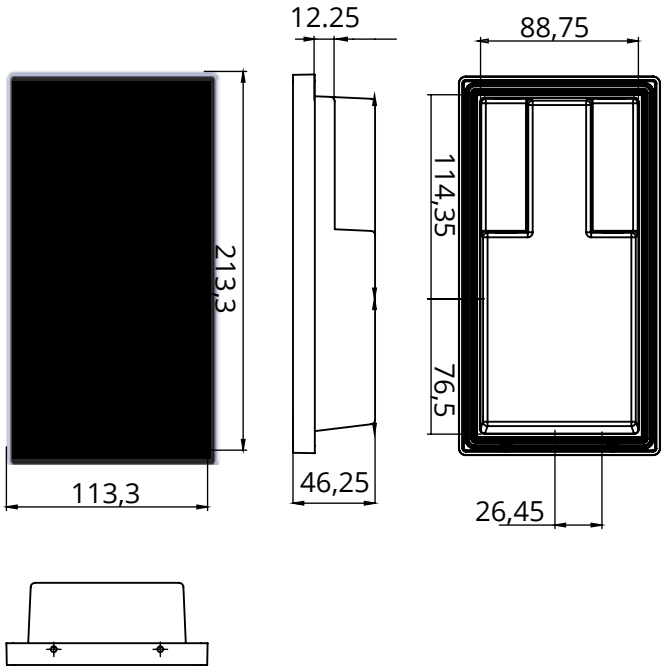


DOWNLOAD DATA SHEET

Polycarbonate colors
Trim finishes



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for UL.

TECHNICAL SPECIFICATIONS

Control
Temperature
Flow rate
1 to 3 outlets
User memory (initial user + 3 users)

Functions
Pause
Touchpad blocking function
Reset
Warm-up
Start-up program

Maintenance programs
Cleaning of impurities
Cleaning against legionella

Maintenance alarms and error diagnosis
Cold and hot water leakage
Cold and hot water failure
Insufficient hot water temperature
Cold water temperature high
Temperature malfunction
Communication error

Technology
Capacitive

MOZAIC

MOZAIC

INTERFACE

REF. 27EI000029



DOWNLOAD DATA SHEET

Polycarbonate colors

Trim finishes

RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for simple showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

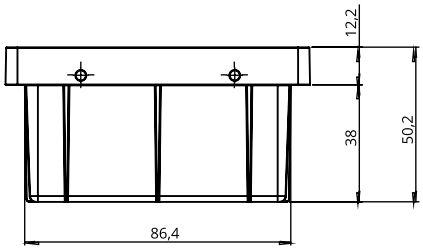
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

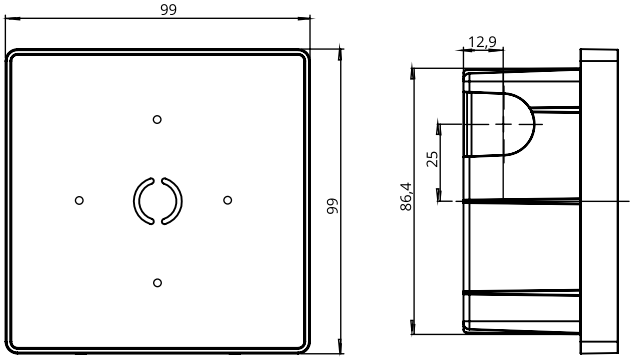
CERTIFICATIONS

CE UL

* Ready for UL.

DIMENSIONS





TECHNICAL SPECIFICATIONS

Control
Temperature
Flow rate

Functions
Pause
Warm-up
Start-up program
Thermal disinfection

Technology
Membrane

CPU ISCU TH S 1 OUTLET
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum One is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU TH S is the thermostatic box with 1 outlet that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with one outlet.

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional model with WIFI-bluetooth to control functionalities with an app.

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

SUPER-ECO MODE
The system offers an Eco mode function to save water and energy.

USER PROFILES
Store preferred settings of temperature, flow for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework. Cloud for OEM and cloud for final user.

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

CPU ISCU TH S

THERMOSTATIC MIXER

REF. 27EV000015

REF. 27EV000016 (WIFI)



PAIRS WITH MOZAIC

VOICE CONTROL OPTION

WORKS WITH amazon alexa

works with the Google Assistant

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

SHOWERS
Recommended for eco-showers

SHOWERS COLUMN
Specially designed for shower columns

HOTELS
Reccomended for hotels

HOME
Suitable for simple showers at home

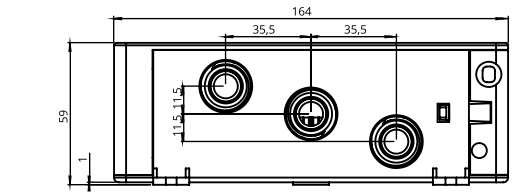
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

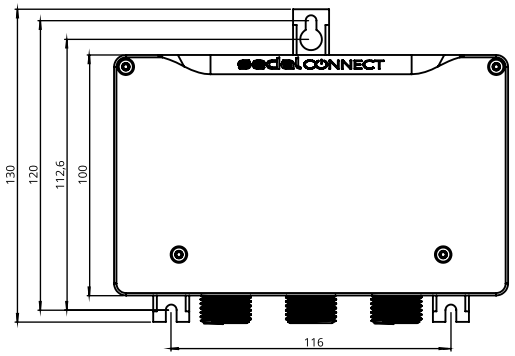
CERTIFICATIONS

KTW WRAS CE UL NSF ACS

* Ready for KTW, UL and NSF.

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<15W*[1] / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP53
Hydraulic connections	1/2" & 3/8" M-GAS, John Guest
Weight	0.4 Kg

Temperature	
Recommended Input hot water range	Min. 48ºC - Max.65ºC
Recommended Input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *[2]
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water	Min. 4 l/min - Max. 13 l/min
Mix flow rate	Min. 4 l/min - Max. 24 l/min

*1 without deviator (NC solenoid)

*2 up to full hot temperature on OEM demand

CPU ISCU TH S 2 OUTLETS
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum One is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU TH S 2O is the thermostatic box with 2 outlets that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with one outlet and one additional outlet thanks to an external valve.

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional model with WIFI-bluetooth to control functionalities with an app

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

SUPER-ECO MODE
The system offers an Eco mode function to save water and energy.

USER PROFILES
Store preferred settings of temperature, flow and outlets for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow, outlets and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework. Cloud for OEM and cloud for final user.

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

CPU ISCU TH S 20

THERMOSTATIC MIXER

REF. 27EV000022

REF. 27EV000024 (WIFI)



PAIRS WITH MOZAIC



VOICE CONTROL OPTION

WORKS WITH amazon alexa

works with the Google Assistant

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

SHOWERS
Recommended for eco-showers

SHOWERS COLUMN
Specially designed for shower columns

HOTELS
Reccomended for hotels

HOME
Suitable for showers at home

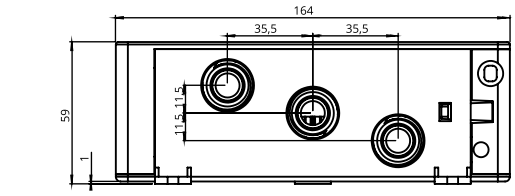
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

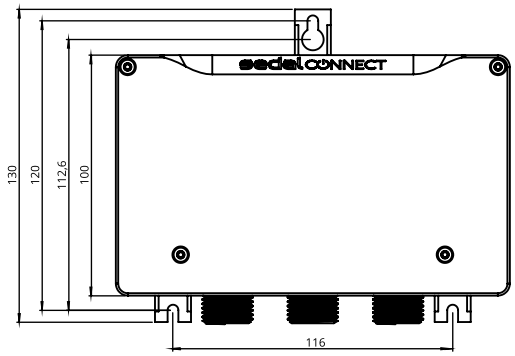
CERTIFICATIONS

KTW WRAS CE UL NSF ACS

* Ready for KTW, UL and NSF.

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<15W*[1] / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP53
Hydraulic connections	1/2" & 3/8" M-GAS, John Guest
Weight	0.4 Kg

Temperature	
Recommended Input hot water range	Min. 48ºC - Max.65ºC
Recommended Input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *[2]
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water	Min. 4 l/min - Max. 13 l/min
Mix flow rate	Min. 4 l/min - Max. 22 l/min

*1 without deviator (NC solenoid)

*2 up to full hot temperature on OEM demand

CPU ISCU TH S 3 OUTLETS
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum One is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU TH S 3O is the thermostatic box with 3 outlets that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with one outlet and two additional outlets thanks to external valves.

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional model with WIFI-bluetooth to control functionalities with an app

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

SUPER-ECO MODE
The system offers an Eco mode function to save water and energy.

USER PROFILES
Store preferred settings of temperature, flow and outlets for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow, outlets and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework. Cloud for OEM and cloud for final user.

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

CPU ISCU TH S 30

THERMOSTATIC MIXER

REF. 27EV000023

REF. 27EV000025 (WIFI)



RECOMMENDED APPLICATIONS

SHOWERS
Recommended for eco-showers

SHOWERS COLUMN
Specially designed for shower columns

HOTELS
Reccomended for hotels

HOME
Suitable for showers at home

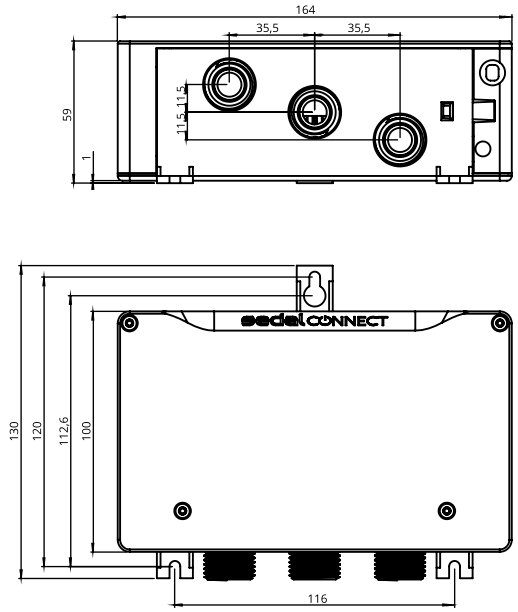
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS CE UL NSF ACS

* Ready for KTW, UL and NSF.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<36W / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP54
Hydraulic connections	1/2" M-GAS
Weight	1.5-2 Kg

Temperature	
Recommended input hot water range	Min.48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *1
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1.5 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar
(Durability) Leakage	>20 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water 1 out	Min. 6 l/min - Max. 16.2 l/min
Mix water 1out	Min. 6 l/min - Max. 22.1 l/min
Cold/hot water 2 out	64 min. - 16,54 min
Mix water 2 out	64 min - 29,54 min

*1 up to full hot temperature on OEM demand

CPU ISCU2 2 OUTLETS
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU2 TH 2O is the thermostatic box with 2 outlets that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with two outlets.

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional module with WIFI-bluetooth to control functionalities with an app

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

2 OUTLETS SAME TIME
Allows to work 2 outlet simultany.

USER PROFILES
Store preferred settings of temperature, flow and outlets for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow, outlets and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *PRESSURE BALANCING BEHAVIOUR*
  It incorporates an intelligent auto-callibration mode that corrects and stabilises both flow rate and temperature in response to unexpected changes in water supply pressure.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

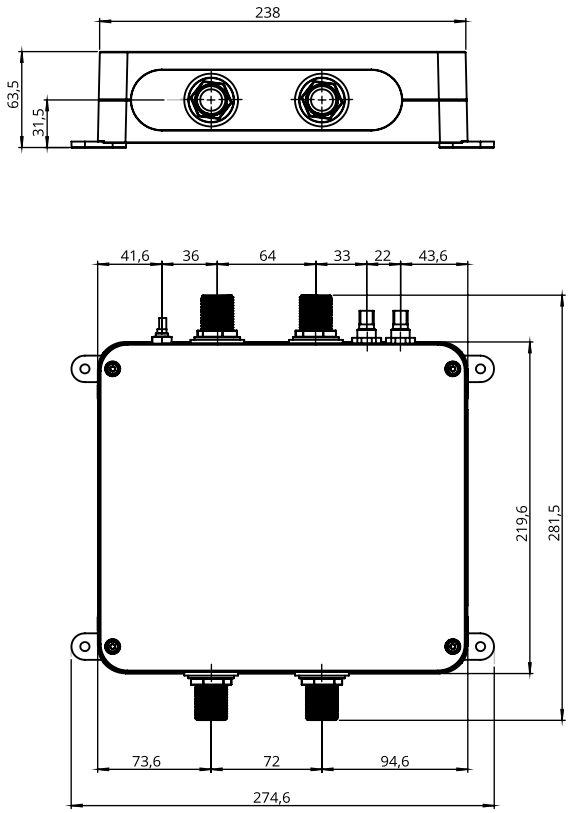
CPU ISCU2 TH 20

THERMOSTATIC MIXER

REF. 27EV000006



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS CE UL

* Ready for KTW, NSF and UL.

TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<36W / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP54
Hydraulic connections	1/2" M-GAS
Weight	1.5-2 Kg

Temperature	
Recommended input hot water range	Min.48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *[1]
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1.5 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar
(Durability) Leakage	>20 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water 1 out	Min. 6 l/min - Max. 16.2 l/min
Mix water 1 out	Min. 6 l/min - Max. 22.1 l/min
Cold/Hot water 2 out	64 min - 16.5 l/min
Mix water 2 out	64 min - 29.5 l/min

CPU ISCU2 3 OUTLETS
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU2 TH 3O is the thermostatic box with 3 outlets that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with three outlets.

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional module with WIFI-bluetooth to control functionalities with an app

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

2 OUTLETS SAME TIME
Allows to work 2 outlet simultany.

USER PROFILES
Store preferred settings of temperature, flow and outlets for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow, outlets and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *PRESSURE BALANCING BEHAVIOUR*
  It incorporates an intelligent auto-callibration mode that corrects and stabilises both flow rate and temperature in response to unexpected changes in water supply pressure.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

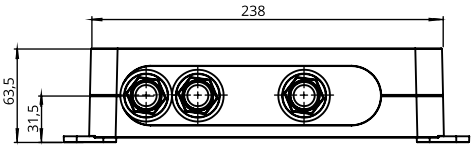
CPU ISCU2 TH 30

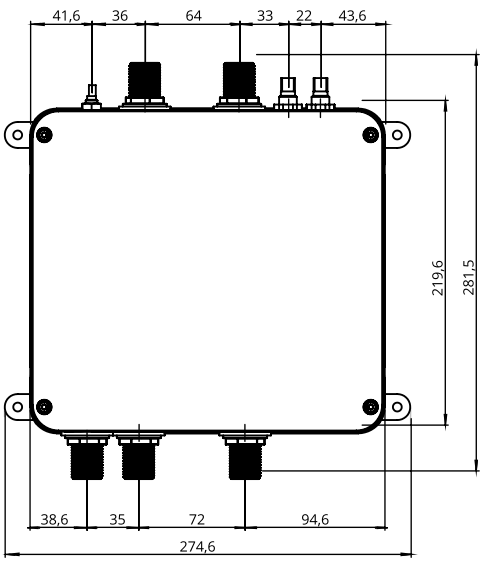
THERMOSTATIC MIXER

REF. 27EV000007



DIMENSIONS





RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS CE UL

* Ready for KTW, NSF and UL.

TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<36W / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP54
Hydraulic connections	1/2" M-GAS
Weight	1.5-2 Kg

Temperature	
Recommended input hot water range	Min.48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *1
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1.5 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar
(Durability) Leakage	>20 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water 1 out	Min. 6 l/min - Max. 16.2 l/min
Mix water 1out	Min. 6 l/min - Max. 22.1 l/min
Cold/hot water 2 out	64 min. - 16,54 min
Mix water 2 out	64 min - 29,54 min

*1 up to full hot temperature on OEM demand

CPU ISCU2 4 OUTLETS
THERMOSTATIC MIXER FOR SHOWERS

DESCRIPTION

Summum is an smart system for showers consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU2 TH 4O is the thermostatic box with 4 outlets that controls the system.

FEATURES & FUNCTIONS

OUTLET
Mixing box with four outlets

WARM-UP
Preheats the shower by flushing out water until the desired pre-set temperature is reached.

SHOWER SEQUENCES
Customize and run water sequences combining temperature, flow, time and outlets.

LEAKAGE DETECTION
Summum detects small leakages of the system.

CONNECTIVITY
Optional module with WIFI-bluetooth to control functionalities with an app

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

SHOWER SET-UP
Set up parameters such as temperature, flow and time of your device.

ANTI-SCALDING
Anti-scalding safety warning when using the shower.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

2 OUTLET SAME TIME
Allows to work 2 outlet simultany.

USER PROFILES
Store preferred settings of temperature, flow and outlets for 3 different users.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

SMART BATH FILL
Fill up your bathtub automatically at the desired temperature until reaching pre-set volume.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

AUTO-CLEANING
Water is flushed through all outlets to avoid lime scale.

START-UP
System learns environmental conditions during installation.

CHILDREN SAFETY
Set up temperature, flow, outlets and time desired for your child daily shower.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *PRESSURE BALANCING BEHAVIOUR*
  It incorporates an intelligent auto-callibration mode that corrects and stabilises both flow rate and temperature in response to unexpected changes in water supply pressure.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Summum One provides error detection and maintenance alarms, which remain stored in memory for report generation.

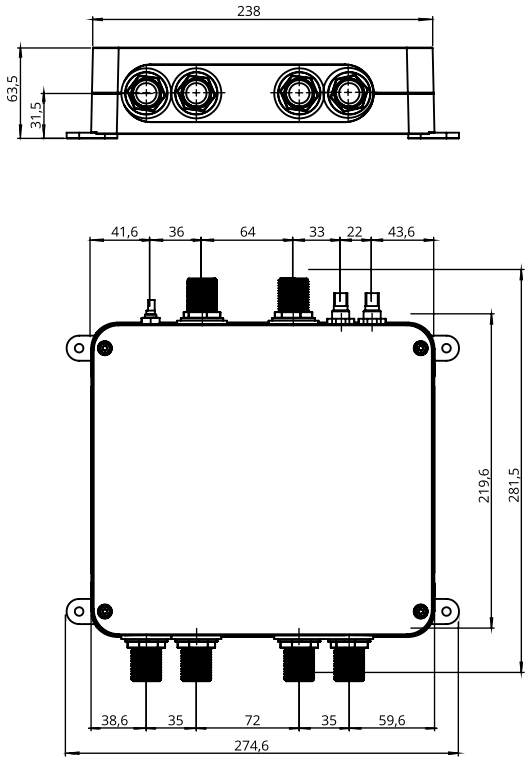
CPU ISCU2 TH 40

THERMOSTATIC MIXER

REF. 27EV000008



DIMENSIONS



RECOMMENDED APPLICATIONS

SHOWERS
Specially designed for showers

HOME
Suitable for showers at home

HOTELS
Reccomended for hotels

SPA
Suitable for spas and dressing rooms

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS CE UL

* Ready for KTW, NSF and UL.

TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<36W / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP54
Hydraulic connections	1/2" M-GAS
Weight	1.5-2 Kg

Temperature	
Recommended input hot water range	Min.48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *1
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1.5 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar
(Durability) Leakage	>20 bar

Flow rate (3 bar free flow with diverter DN13)	
Cold/ Hot water 1 out	Min. 6 l/min - Max. 16.2 l/min
Mitx water 1 out	Min. 6 l/min - Max. 22.1 l/min
Cold/ Hot 2 out	64 min - 16.5 l/min
Mix water 2 out	64.5 min - 29.5 l/min

*1 up to full hot temperature on OEM demand



DIGITAP

DIGITAL FAUCET SYSTEMS

digitap

DIGITAP consists of a iSCU_TH_F valve combined with one of our touchpads: iSQUARE or PLUG. These systems are specially designed to make it easier for the manufacturer to adopt new technologies into its products.

Digitap has no mechanical parts, small electric motors or other similar pieces that need to be recalibrated or replaced, lengthening the product life.

Digitap range includes wall-mounted and counter-top touchpads, retrofit interfaces and customized solutions to fulfill manufacturers requirements.

DIGITAP

			PG
CPUS		iSCU MINI	242
		CPU iSCU TH_F CPU iSCU TH_FW	244

+

			PG
INTERFACES		iSQUARE F	246
		iPLUG	248

IKON

			PG
INTERFACE		iHANDLE	250

+

			PG
CARTRIDGE		iTOP	250

ISCU MINI
DIGITAL MIXER FOR FAUCETS

DESCRIPTION

The all new iSCU MINI is the heart of the digital faucet. Equipped with state-of-the-art technology and connectivity, the iSCU MINI digital mixer is the most advanced yet cost effective valve in the market, featuring fast and accurate flow and temperature control, programmable functions, full IoT connectivity, flexible data input from several sources and sensors and endless possibilities.

FEATURES & FUNCTIONS



CONNECTIVITY
Optional model with WIFI-bluetooth to control functionalities with an app



FAUCET SET-UP
Set up parameters such as temperature, flow and time of your device.



THERMAL DISINFECTION
Thermal disinfection in all shower outlets.



PAUSE
Remembers water temperature and flow that the user was using before shampooing.



START-UP
System learns environmental conditions during installation.



SUPER-ECO MODE
The system offers an Eco mode function to save water and energy.



AUTO-CLEANING
Water is flushed to avoid lime scale.



AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.



MULTIPLE ACTIVATION
Handles and prioritizes inputs from different sensors and systems.



BATTERY OPERATED
Powered by AC and DC sources.



WATER DISPENSING TIMER
Set-up a timer for automatic glass and pot filling.



CUSTOMIZABLE INTERFACE:
Electronically connect the mixer with other sources like sparkling or instant hot water automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *BATTERY OPERATED*
  No mains power? No problem. The iSCU MINI can be operated with a battery pack that will ensure the use of the faucet for many months. If there is mains power availability, the backup battery pack will kick in automatically in case of power loss for user peace of mind.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Digitap provides error detection and maintenance alarms, which remain stored in memory for report generation.

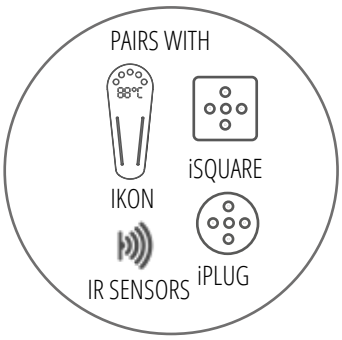
- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  The iSCU MINI accepts and prioritizes multiple inputs from different sources, like digital cartridges, infrared and ToF sensors, capacitive sensors, APP buttons or voice assistants. And any other that comes in the future. The system can handle and give priorities to the different inputs according to the preferences of the manufacturer, allowing for a highly flexible, innovative faucet design.

ISCU MINI

DIGITAL MIXER

REF. 27EV009002











RECOMMENDED APPLICATIONS



WASHBASINS
Specially designed for washbasins



KITCHENS
Suitable for use in kitchens.



HOTELS
Reccomended for hotels



PUBLIC VENUES
Suitable for airports, schools, libraries, etc.



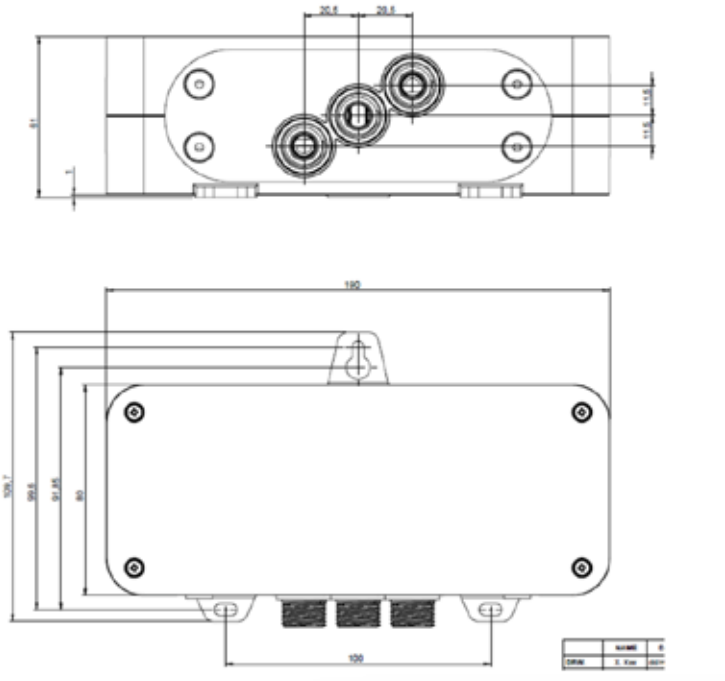
HOME
Suitable for faucets at home

CERTIFICATIONS

KTW WRAS CE UL NSF ACS

* Ready for

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	≤12 W (Stand-by ≤1W)
CPU Input voltage	9 V DC
Ingress Protection Rating	IP53
Hydraulic connections	1/2" & 3/8" M-GAS, John Guest
Weight	0.4 Kg

Temperature	
Recommended input hot water range	Min. 48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Maximum inlet temperature	65ºC *[1]
Minimum inlet temperature	>0 °C
Mixed range	Full Cold – Full Hot

Pressure	
Maximum dynamic	6 bar (0.6Mpa)
Minimum dynamic	1 bar (0.1Mpa)
Recommended dynamic	3 bar (0.3Mpa)
Maximum differential supply	4.5 bar (0.45Mpa)
(Durability) Burst	>35 bar (3.5Mpa)

Flow rate (3 bar free flow with diverter DN8)	
Mix water	Min. 2 l/min - Max. 28,1 l/min
Full Cold or Full Hot water	Min. 2 l/min - Max. 14,6 l/min

*[1] Up to 80ºC less than 20 min.

CPU ISCU TH F
THERMOSTATIC MIXER FOR FAUCETS

DESCRIPTION

Digitap is an smart system for faucets consisting on a CPU electronic thersmostatic mixer with one outlet and a touchpad to control it. CPU ISCU TH F is the thermostatic box that controls the system.

FEATURES & FUNCTIONS

CONNECTIVITY
Optional model with WIFI-bluetooth to control functionalities with an app

SMART AUTO DISPENSING FUNCTION
Tooth brush function or automatic water fill.

FAUCET SET-UP
Set up parameters such as temperature, flow and time of your device.

LEAKAGE DETECTION
Summum detects small leakages of the system.

THERMOSTATIC
Thermostatic functions allow water delivery at the desired temperature.

FLOW RATE QUICK-ACCESS
Mixed water memory at high flow and low flow with a button.

NORMALLY CLOSED
In case of power outage, the system closes automatically.

THERMAL DISINFECTION
Thermal disinfection in all shower outlets.

FLOWSTATIC
Flowstatic functions allow water delivery of the desired water quantity.

PAUSE
Remembers water temperature and flow that the user was using before shampooing.

CONSUMPTION STATISTICS
The user can see consumption of water and energy statistic via app.

AUTO-CLEANING
Water is flushed to avoid lime scale.

START-UP
System learns environmental conditions during installation.

SUPER-ECO MODE
The system offers an Eco mode function to save water and energy.

ANTI-SCALDING
Anti-scalding safety warning when using the faucet.

AUTOMATIC SHUT-OFF
Shower shuts off automatically after a limited period of time.

ADVANTAGES

- *APP SPECIAL FUNCTIONS ACTIVATION*
  The app allows set and run the functionalities of the system.

- *CLOUD SERVICE*
  The system monitor, evaluates and reports components and system conditions in a cloud platform to allow predictive diagnosis: Leverage the extracted data from your connected devices to detect and diagnose problems before they occur, helping minimize variability and rework

- *OEM CUSTOMIZATION*
  - Pre-defined settings available under customer requirements
  - Tailor made APP layout according to OEM specifications.

- *INTELLIGENT MIXING VALVES*
  Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors.

- *PRESSURE BALANCING BEHAVIOUR*
  It incorporates an intelligent auto-callibration mode that corrects and stabilises both flow rate and temperature in response to unexpected changes in water supply pressure.

- *DETECTS SYSTEM & INSTALLATION WARNINGS*
  Digitap provides error detection and maintenance alarms, which remain stored in memory for report generation.

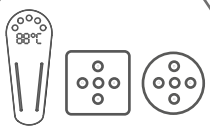
CPU ISCU TH F

THERMOSTATIC MIXER

REF. 27EV000018
REF. 27EV000019 (WIFI)



PAIRS WITH



IKON iSQUARE iPLUG

DOWNLOAD DATA SHEET

VOICE CONTROL OPTION

works with amazon alexa

works with the Google Assistant

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

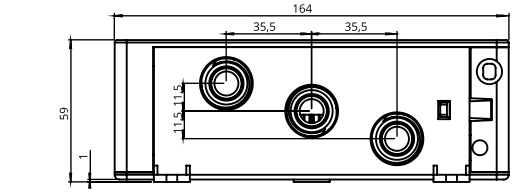
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

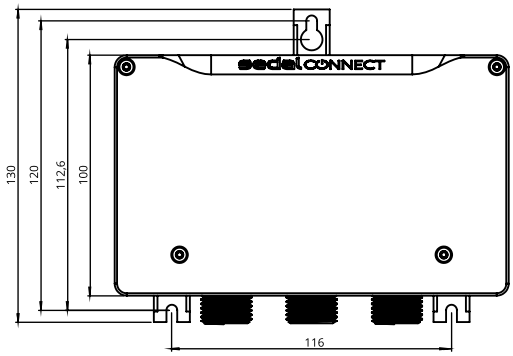
CERTIFICATIONS

KTW WRAS CE UL NSF ACS

* Ready for KTW, UL. and NSF.

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	
Technology	Patented
Maximum load	<15W / Stand by <1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP53
Hydraulic connections	1/2" & 3/8" M-GAS, John Guest
Weight	0.4 Kg

Temperature	
Recommended input hot water range	Min. 48ºC - Max.65ºC
Recommended input cold water range	Min.5ºC - Max.28ºC
Mixed maximum	44ºC *[1]
Mixed minimum	Full cold

Pressure	
Maximum dynamic	6 bar
Minimum dynamic	1 bar
Recommended dynamic	3 bar
Maximum differential supply	4.5 bar
(Durability) Burst	>35 bar
(Durability) Leakage	>20 bar

Flow rate (3 bar free flow with diverter DN8)	
Cold/ Hot water	Min. 2 l/min - Max. 12 l/min
Mix flow rate	Min. 2 l/min - Max. 22 l/min

*[1] Up to 80ºC less than 20 min.

ISQUARE
INTERFACE FOR FAUCETS



DESCRIPTION

Digitap iSquare is a minimalist touchpad with water temperature and flow rate control thanks to simple or continued touches.

FEATURES & FUNCTIONS

TEMPERATURE CONTROL
The user can control the water temperature.

START-UP
System learns environmental conditions during installation.

MEMORY SETTING
Special lighting when setting the memory.

FLOW CONTROL
The user can control the water flow.

PAUSE
Remembers water temperature and flow that the user was using before.

THERMAL DISINFECTION
Flowstatic functions allow water delivery of the desired water quantity.

ADVANTAGES

- *WATERPROOF TOUCH TECHNOLOGIES*
  Sedal Connect works with different touch technologies depending on technical requirements and functionalities of each project. All our touchpads have an efficient protection against water.
  The manufacturer can select one interface and customize some of their features.

- *DESIGN AND ADAPTABILITY*
  - Functional configurations
  - Different technological options and variety of materials (polycarbonate, glass, aluminium, etc.)

- *RELIABLE AND PRECISE*
  - Suppression of interferences
  - Precise and intuitive touch commutation

- *CUSTOMIZABLE PANELS*
  Customizable panels to reach customer needs according requirements.

- *ROBUST AND DURABLE*
  - Resistance in harsh environments
  - Water-resistance devices
  - Usage-protected graphs

ISQUARE F

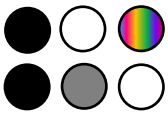
INTERFACE

REF. 27EI000025



DOWNLOAD DATA SHEET

Front Panel
Polycarbonate colors
Trim finishes



RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

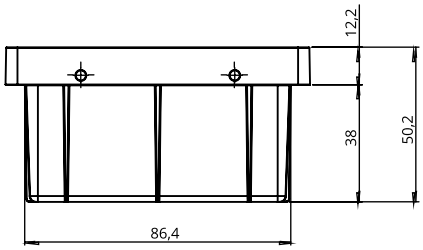
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

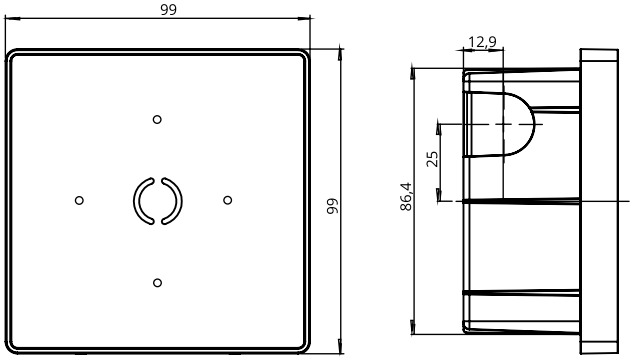
CERTIFICATIONS

CE UL

* Ready for UL.

DIMENSIONS





TECHNICAL SPECIFICATIONS

Control
Temperature
Flow rate

Functions
Pause
Start-up program
Thermal disinfection
Smart glass fill
Flow rate quick access

Technology
Membrane

DIGITAP INTERFACE
IPLUG



DESCRIPTION

Digitap iPlug is a minimalist interface with water temperature and flow rate control thanks to simple or continued touches.

FEATURES & FUNCTIONS

TEMPERATURE CONTROL
The user can control the water temperature.

START-UP
System learns environmental conditions during installation.

SMART AUTO DISPENSING FUNCTION
Automatic water fill of a glass.

MEMORY SETTING
Special lighting when setting the memory.

FLOW CONTROL
The user can control the water flow.

PAUSE
Remembers water temperature and flow that the user was using before.

FLOW RATE QUICK-ACCESS
Mixed water memory at high flow and low flow with a button.

THERMAL DISINFECTION
Flowstatic functions allow water delivery of the desired water quantity.

ADVANTAGES

- *WATERPROOF TOUCH TECHNOLOGIES*
  Sedal Connect works with different touch technologies depending on technical requirements and functionalities of each project. All our touchpads have an efficient protection against water.
  The manufacturer can select one interface and customize some of their features..

- *DESIGN AND ADAPTABILITY*
  - Functional configurations
  - Different technological options and variety of materials (polycarbonate, glass, polyester, etc.)

- *RELIABLE AND PRECISE*
  - Suppression of interferences
  - Precise and intuitive commutation

- *CUSTOMIZABLE PANELS*
  Customizable panels to reach customer needs according requirements.

- *ROBUST AND DURABLE*
  - Resistance in harsh environments
  - Water-resistance devices
  - Usage-protected graphs

DIGITAP

iPLUG

REF. 27EI000026



DOWNLOAD DATA SHEET

Front panel colors

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

VERSIONS

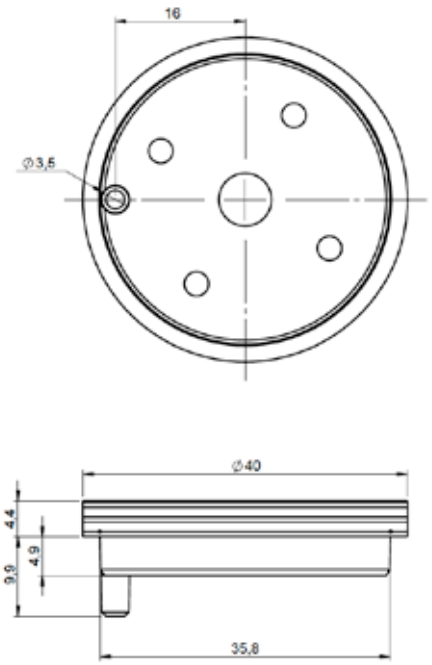
Full capacitive	REF. 27EI000049

CERTIFICATIONS

CE UL

* Ready for UL.

DIMENSIONS

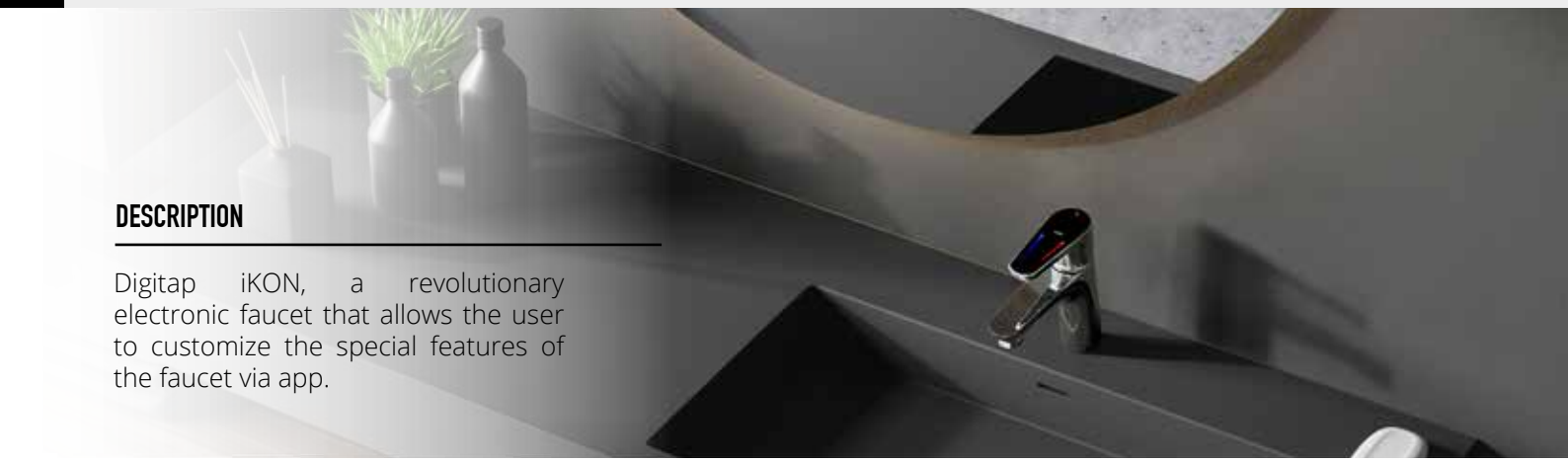


TECHNICAL SPECIFICATIONS

General	Full capacitive
Rated voltage	12 V DC
Ingress Protection Rating	IP65
Number of buttons	5
Connectors	1 x 4 way connector
Panel material	PMMA (Hard Coated)
Touch splashing protection	Yes
Technology	Capacitive
Sustained push contrtol	Yes
Temnperature color indicator	Yes

Functions
Pause
Start-up program
Thermal disinfection
Smart glass fill
Flow rate quick access

DIGITAP INTERFACE
IKON



DESCRIPTION

Digitap iKON, a revolutionary electronic faucet that allows the user to customize the special features of the faucet via app.

FEATURES & FUNCTIONS

WIFI COMMUNICATION
It activates when the system is correctly connected to WIFI.

ECO MODE
The operation is being ecologic according to the quantity of water in use.

ALARM
It activates when the system detects a problem.

CONTROL VIA APP
The user can control the functions of the faucet via app.

BATHROOM

GLASS FILL
A preset quantity of water to automatically fill a glass.

TOOTH BRUSH
The water flows during 5 seconds to wet the brush.

KITCHEN

GLASS FILL
A preset quantity of water to automatically fill a glass.

POT FILL
The faucet dispenses a preset quantity of water to automatically fill a pot.

ADVANTAGES

- *WATERPROOF TOUCH TECHNOLOGIES*
  Sedal Connect works with different touch technologies depending on technical requirements and functionalities of each project. All our touchpads have an efficient protection against water.
  The manufacturer can select one interface and customize some of their features..

- *DESIGN AND ADAPTABILITY*
  - Functional configurations
  - Different technological options and variety of materials (polycarbonate, glass, aluminium, etc.)

- *RELIABLE AND PRECISE*
  - Suppression of interferences
  - Precise and intuitive commutation

- *CUSTOMIZABLE PANELS*
  Customizable panels to reach customer needs according requirements.

- *ROBUST AND DURABLE*
  - Resistance in harsh environments
  - Water-resistance devices
  - Usage-protected graphs

ITOP
DIGITAL CARTRIDGE



iTOP redefines the way a faucet is used and experienced. It is a fully digital cartridge that converts the movement of the lever into digital information to control our iSCU digital thermostatic mixer with incredibly smooth and precise motion.

This innovative cartridge offers extra features impossible to get with mechanical valves: X-Lever™ motion. It consists of 4 extra clicks with self-return in each direction of the lever movement that can be programmed for different actions.

iTOP cartridge can work either with a standard lever or with iHandle, our smart handle that provides information with the actions the iTOP cartridge is performing in real time. Sedal has initially defined 3 iHandle interfaces: kitchen, shower and basin.

IHANDLE
DIGITAL INTERFACE



iHandle is the new user interface designed, developed and manufactured by Sedal to work together with our new iTOP digital cartridge with X-Lever™ technology. Based on the most accepted mechanical interface, we have evolved the classic lever into a system that provides key information and extra comfort to the user with dot matrix display and icons, as well as other lighting indicators that makes your faucets both beautiful and extremely functional.

iHandle works in combination with iTOP digital cartridge and iSCU digital thermostatic mixer by Sedal.

DIGITAP INTERFACE
IHANDLE

IHANDLE
DIGITAL INTERFACE

REF. 27EI000030



DOWNLOAD DATA SHEET

Front panel colors

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

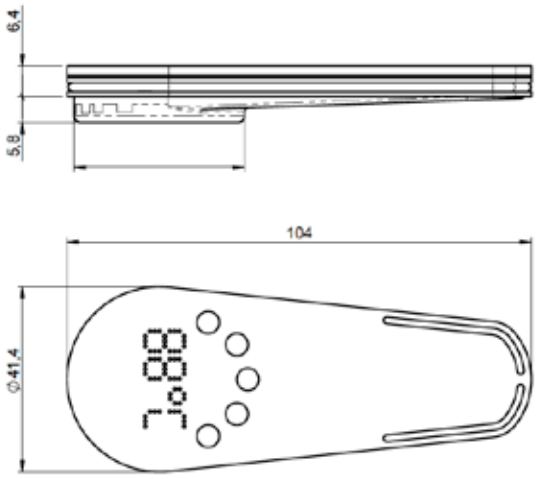
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

CE UL

* Ready for CE & UL.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Maximum load	<4 W / Stand by <0,1W
Rated impulse Voltage	12 V DC
Ingress Protection Rating	IP65
Panel Material	PMMA (Hard Coated)
Display	Dot Matrix
Icons	Color LED

Functions	
Icon functions	Warming signal, eco mode, wifi communication, glass fill, pot fill

ITOP

DIGITAL CARTRIDGE



DOWNLOAD DATA SHEET

DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

VERSIONS

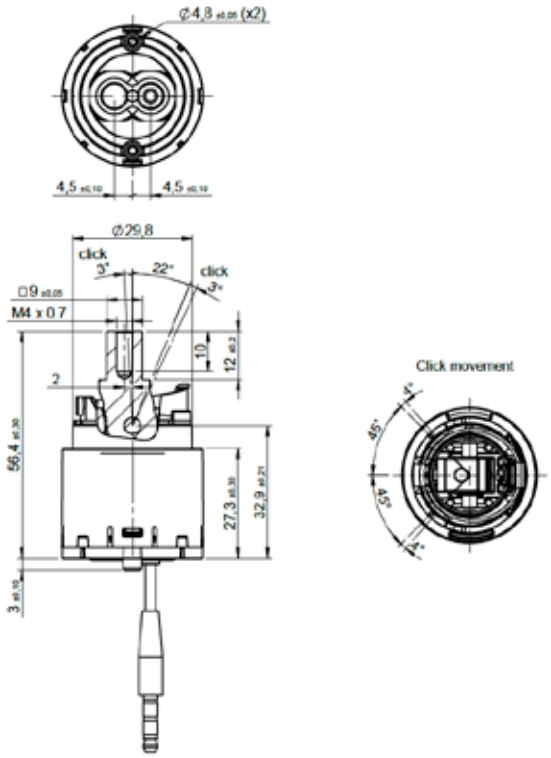
iTOP 35mm	REF. 48EN35S0001
iTOP 25 mm	REF. 48EN25S0001

CERTIFICATIONS

CE UL

* Ready for CE & UL.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Maximum load	
Rated voltage	12 V DC
Ingress Protection Rating	IP53

Functions	
Operation torque	0,15-0,30 Nm
Click operation torque	0,30-0,40 Nm
Available clicks direction	Up/Down/Left/Ritght*
Communication cable with handle	Yes
Life Cycle	EN-817 ASME A112.18.1

*Available options under customer request.



HYDRON

ELECTRONIC COMMERCIAL WATER SYSTEMS

HYDROiT

Hydron is a ange of electronic systems including infrared and capacitive technology for commercial and hospitality applications.

Touchless operation with infrared sensors or activate a touch sensitive faucet with a slight touch of an arm help reduce germs and bacteria contamination.

Built-in filters to avoid impurities that could affect water flow and performance. Valves are protected by an IP65 casing to resist thorough facility cleaning.

Hydron electronic systems have been designed to work in harsh environments. Packed into a rugged case, our valves and sensors have a service life of over 500.000 cycles.

IRED

		PG
	iRED	256
	iRED PLUS	258
	iRED LP	260
	iRED PLUS LP	260

IRED CORE

		PG
	core BR80	266
	core BR90	267
	core PL60	268
	core PL90	269

DUAL SENSE

		PG
	dual sense	262

IRED FLUSH

		PG
	i·red flush	270

HYDRON
IRED

DESCRIPTION

On-off control for faucets featuring infrared detection technology with fixed distance arrangement. The standard detection distance can be factory adjusted to any OEM requirement.

FEATURES

ECO MODE
The system saves water thanks to its automatic shut-off.

AUTOMATIC SHUT-OFF
Faucet shuts off automatically after a limited period of time.

INFRA-RED
System activates thanks to an infra-red sensor.

ADVANTAGES

- *WATER SAVING*
  Infra-red sensor activation with automatic shut-off time.
- *CLEAN&HYGIENIC*
  Faucet activation is done by entering the hand into the sensor zone.
- *RELIABILITY*
  Hydron electronic systems have been designed to work in harsh environments. Packed into a rugged case, our valves and sensors have a service life of over 500.000 cycles.
- *EASY MAINTENANCE*
  Built-in filter to avoid impurities which could affect the proper water flow.
- *VERSIONS*
  All models are available with battery and/ or power supply.

COMPATIBLE SENSORS



S1
Infrared sensor for curved body faucet.



S2
Infrared sensor for straight body faucet.



S3
Infrared sensor for wide base faucets.



S5
Infrared sensor for round spout, located after the outlet.



S6
Infrared sensor for square spout, located after the outlet.

HYDRON

iRED



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins.

HOME
Suitable for faucets at home

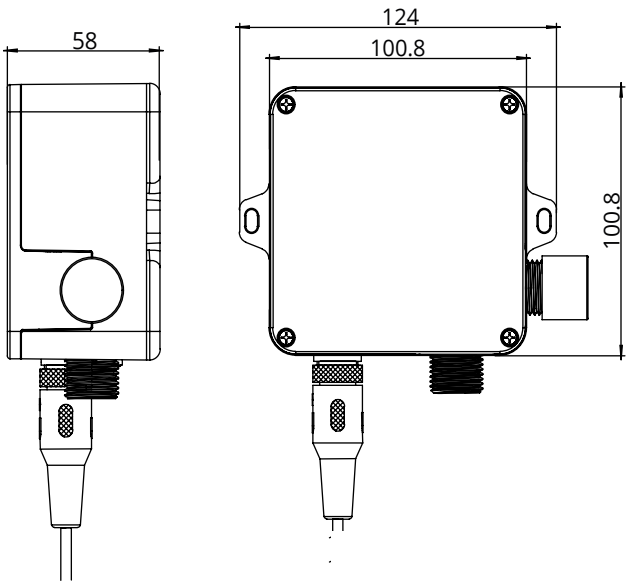
HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC-6V and/or AC: 230V (50Hz) / 110-120 (60Hz)
Working pressure	1-7 bar
Pressure resistance closed (1 min.)	35
Life test	500,000 cycles
Max. hot water	75ºC
Flow rate (Class A)	10.8 l/min
Sensor activation time	<1s
Protection against intrusion (control box)	IP 65
Power consumption (stand by)	AC <4W DC <0.2mW
Power consumption (flushing)	AC <5W DC <3W
Water saving function	Auto off adjustable up to 1 min.
Thread	G1/2-14
Battery type (not included)	4xAA 1.5V

HYDRON
IRED PLUS

DESCRIPTION

On-off control for faucets featuring infrared detection technology with integrated distance adjustment with a single push of a button.

FEATURES

ECO MODE
The system saves water thanks to its automatic shut-off.

AUTOMATIC SHUT-OFF
Faucet shuts off automatically after a limited period of time.

INFRA-RED
System activates thanks to an infra-red sensor.

SELF-ADJUSTING
Self-adjusting feature to set the distance between the infra-red sensor and the user.

ADVANTAGES

- *WATER SAVING*
  Infra-red sensor activation with automatic shut-off time.
- *CLEAN&HYGIENIC*
  Faucet activation is done by entering the hand into the sensor zone.
- *RELIABILITY*
  Hydron electronic systems have been designed to work in harsh environments. Packed into a rugged case, our valves and sensors have a service life of over 500.000 cycles.
- *EASY MAINTENANCE*
  Built-in filter to avoid impurities which could affect the proper water flow.
- *VERSIONS*
  All models are available with battery and/ or power supply.
- *SELF-ADJUSTING*
  HYDRON i·RED+ system also includes self-adjusting feature to set the distance between the infra-red sensor and the user.

COMPATIBLE SENSORS KIT



S1 PLUS
Infrared sensor for curved body faucet.



S7 SENSOR KIT
Round Infrared Sensor to be placed at the outlet of the spout including top performance areator.



S8 SENSOR KIT
Semi-circular Infrared Sensor to be placed at the outlet of the spout.



S9 SENSOR KIT
Squared Infrared sensor to be placed at the spout outlet of a squared faucet.

HYDRON

iRED PLUS



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins.

HOME
Suitable for faucets at home

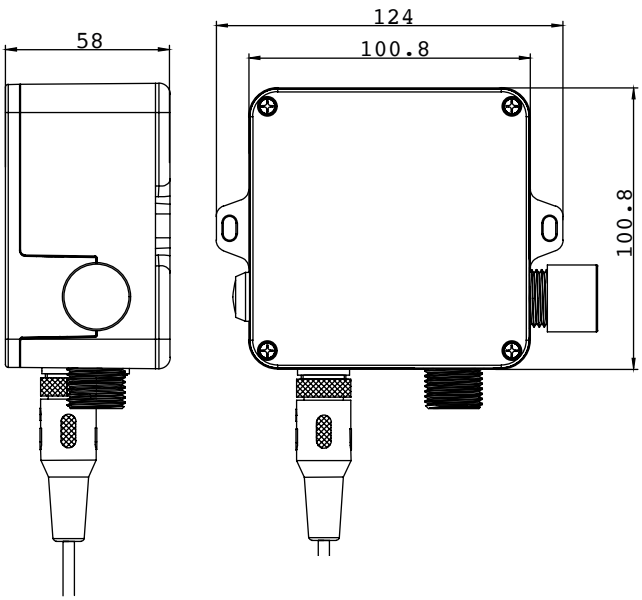
HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC-6V and/or AC: 230V (50Hz) / 110-120 (60Hz)
Working pressure	1-7 bar
Pressure resistance closed (1 min.)	35
Life test	500,000 cycles
Max. hot water	75ºC
Flow rate (Class A)	10.8 l/min
Sensor activation time	<1s
Protection against intrusion (control box)	IP 65
Sensor detection distance (IRED+)	Adjustable (button)
Power consumption (stand by)	AC <4W DC <0.2mW
Power consumption (flushing)	AC <5W DC <3W
Water saving function	Auto off adjustable up to 1 min.
Thread	G1/2-14
Battery type (not included)	4xAA 1.5V

HYDRON
IRED LP

DESCRIPTION

Electronic system for faucets including sensor technology.

FEATURES

ECO MODE
The system saves water thanks to its automatic shut-off.

AUTOMATIC SHUT-OFF
Faucet shuts off automatically after a limited period of time.

INFRA-RED
System activates thanks to an infra-red sensor.

AUTO-CLEANING
System activates every 72h to avoid water contamination

ADVANTAGES

- *WATER SAVING*
  Infra-red sensor activation with automatic shut-off time.
- *CLEAN&HYGIENIC*
  Faucet activation is done by entering the hand into the sensor zone.
- *RELIABILITY*
  Hydron electronic systems have been designed to work in harsh environments. Packed into a rugged case, our valves and sensors have a service life of over 500.000 cycles.
- *EASY MAINTENANCE*
  Built-in filter to avoid impurities which could affect the proper water flow.
- *VERSIONS*
  All models are available with battery and/ or power supply

COMPATIBLE SENSORS

i·red LP compatible



S1
Infrared sensor for curved body faucet.



S2
Infrared sensor for straight body faucet.



S3
Infrared sensor for wide base faucets.



S5
Infrared sensor for round spout, located after the outlet.



S6
Infrared sensor for round spout, located after the outlet.

i·red+ LP compatible



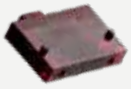
S1 PLUS
Infrared sensor for curved body faucet.



S7 SENSOR+ KIT
Round Infrared sensor to be placed at the spout outlet.



S8 SENSOR+ KIT
Semi-circular Infrared sensor to be placed at the spout outlet.



S9 SENSOR + KIT
Rectangular Infrared sensor to be placed at the spout outlet.

HYDRON

iRED LP / iRED PLUS LP



RECOMMENDED APPLICATIONS

WASHBASINS
Specially designed for washbasins.

HOME
Suitable for simple showers at home

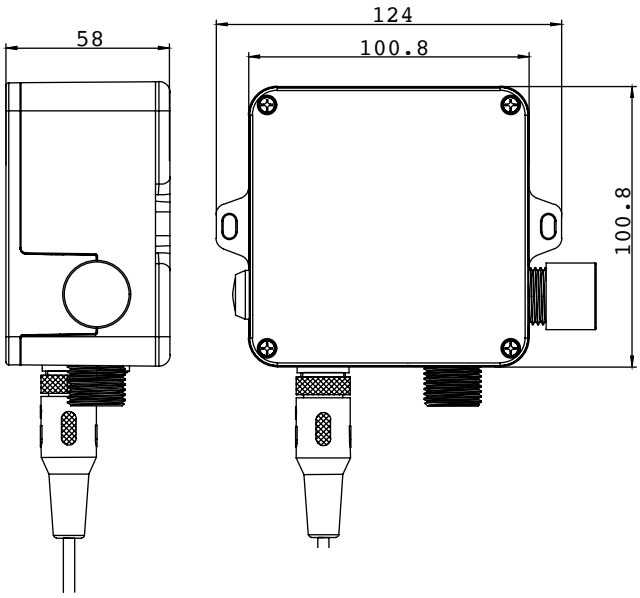
HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

CERTIFICATIONS

KTW WRAS NSF ACS

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC-6V and/or AC: 230V (50Hz) / 110-120 (60Hz)
Working pressure	0,2 - 7 bar
Pressure resistance closed (1 min.)	35
Life test	500,000 cycles
Max. hot water	75ºC
Flow rate (Class A)	10.8 l/min
Sensor activation time	<1s
Protection against intrusion (control box)	IP 65
Protection against intrusion (sensor)	IP 67
Sensor detection distance	Adjustable <35 cm
Power consumption (stand by)	AC <4W DC <0.2mW
Power consumption (flushing)	AC <5W DC <3W
Water saving function	Auto off adjustable up to 1 min.
Thread	G1/2-14
Battery type (not included)	4xAA 1.5V
Sensor detection angle	15º (conical)
Switch off function	Waterproof button
Self cleaning function	Time adjustable (factory setting as 72h)

HYDRON
DUAL SENSE

DESCRIPTION

Electronic system for kitchen faucets including sensor technology. The faucet will open and close with a simple touch and the user will be able to set desired temperature and flow thanks to the handle.

FEATURES

ECO MODE
The system saves water thanks to its automatic shut-off.

AUTOMATIC SHUT-OFF
Faucet shuts off automatically after a limited period of time.

CAPACITIVE
A simple touch anywhere on the body faucet activates the flow of water.



- *TOUCH EXPERIENCE*
  With a simple touch on the spout or the body you will open and close the faucet and dispense water.
  Single lever equipped with a second sensor which ensures mechanical cartridge priority.

- *COMBINATION OF TECHNOLOGIES*
  Digital technology combined with a mechanical cartridge to allow push and pull movements. In addition, like SENSE model, it adapts itself to the installation environment and has two built-in filters.

- *EASY TO USE*
  New features without any learning curve.

- *MANUAL OPENING BUTTON*
  In case of electric power supply failure, the user can open manually the faucet by pushing the button on the box.

- *EMERGENCY SHUT-OFF*
  In case of electric power supply failure the device will auto shut-off all valves.

HYDRON

DUAL SENSE



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

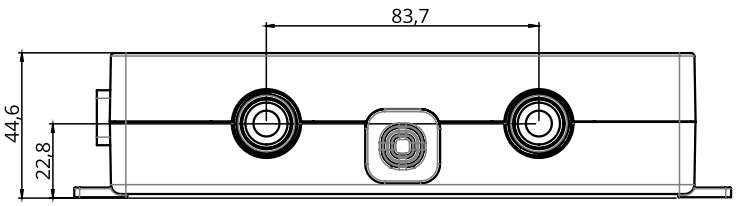
CERTIFICATIONS

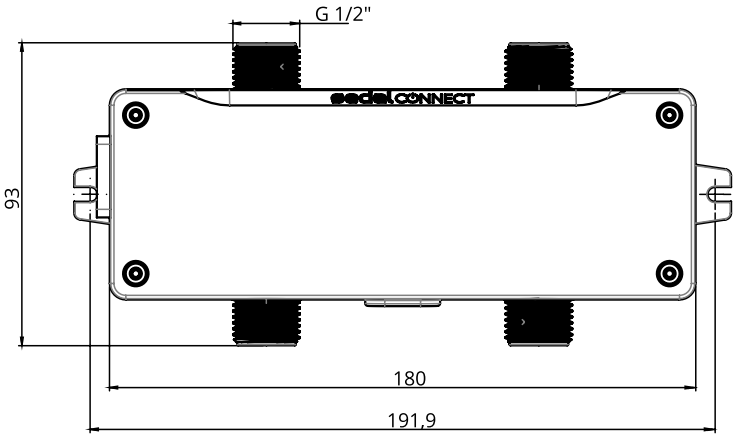
KTW WRAS ACS

VERSIONS

Dual Sense - AC/DC	REF. 27EG005004
Dual Sense - AC	REF. 27EG005003
Dual Sense - DC	REF. 27EG005001

DIMENSIONS





TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Working pressure	1 -7 bar
Pressure resistance closed (1 min.)	35 bar
Life test	500,000 cycle
Max. hot water	55ºC
Flow rate (Class A)	8 l/min
Sensor activation time	<1 s
Power consumption (stand by)	<0.5 mW
Power consumption (flushing)	<10W
Water saving function	Auto off adjustable (factory setting 30 min)
Thread	Quick fitting
Battery type (not included)	4 X AA 1.5V

HYDRON
IRED CORE

DESCRIPTION

i-RED CORE is a complete infrared system in a single body that combines a mixing valve, IR sensor, high grade solenoid on-off valve, battery pack (optional AC adaptor) and a plastic or brass body that acts as the main structural component.

The faucet is built around the body making the design extremely simple and easy to cast and machine.

Installation becomes more simple as there is no external valve box under the sink.



ADVANTAGES & FEATURES

TOUCH FREE
No need to touch any handle nor button to activate.

WATER MIXER
MIxing cartridge with ceramic disks inside.

LOW POWER CONSUMPTION
Long battery life thanks to it´s low consumption hardware

HYGIENIC
Ideal for high hygienic requirmenet enviroments

INTEGRATED BODY
No need of external mixing box.

ANTI VANDALIC SHUT-OFF
Internal timer to shut off flow after defined period of time.

EASY INSTALL
No need of special tools to install.

COMPATIBLE SENSORS



S3 CORE
Infrared sensor for conical body faucet with round window.

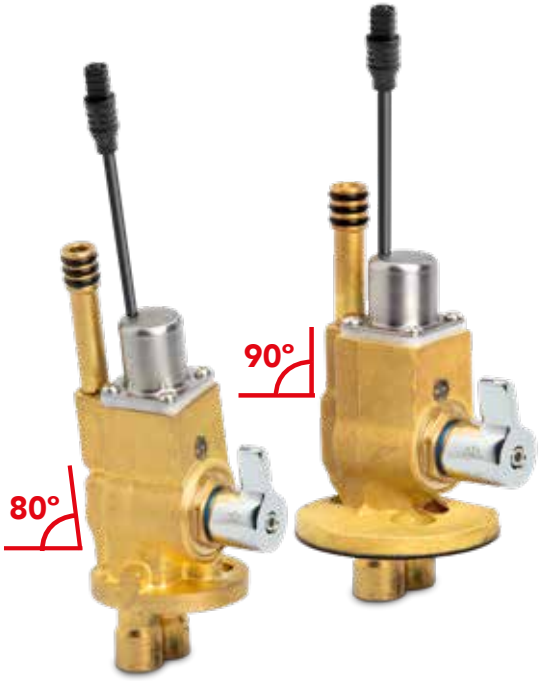


S13 CORE
Infrared sensor for cilindric body faucet with round window fixed with metal bracket.



S14 CORE
Infrared sensor for cilindric body faucet with long shape window.

CORE BR90 / BR80



BATTERY HOLDER

Prepared for 4x AA type batteries, optional AC adaptor available.





CERAMIC CARTRIDGE

Brass Core features a ceramic mixing cartridge for extended life expectancy.

CORE BR90 / BR80



SAFE HOSE FIXING

Plastic Core include a set of 600mm stainless steel hoses with safety bracket.



BATTERY HOLDER

Prepared for 4x AA type batteries, optional AC adaptor available.



HYDRON
IRED CORE

HYDRON
IRED CORE BRASS 80°

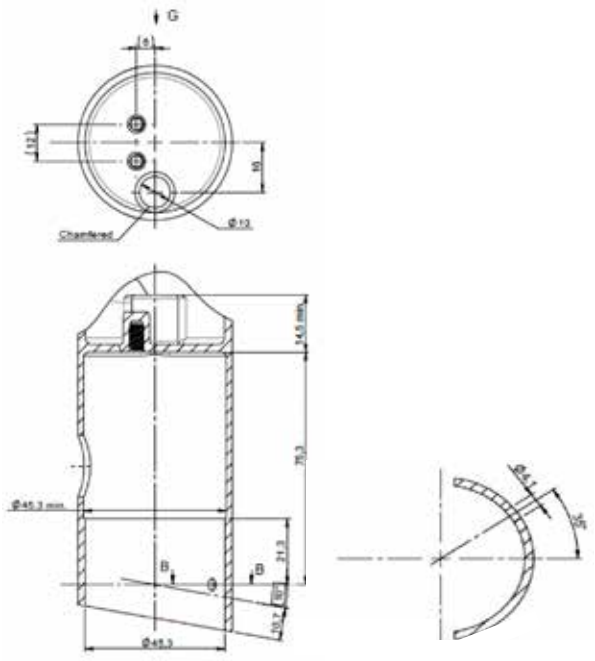


DOWNLOAD DATA SHEET

VERSIONS

iRed Core Brass 80° - S13C - AC/DC - 4MS	REF. 27ES000078
iRed Core Brass 80° - S13C - AC/DC	REF. 27ES000073
iRed Core Brass 80° - S1C - AC/DC	REF. 27ES000081

DIMENSIONS



RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

POWER SUPPLY

Hybrid solution:
- Batteries
- AC wall mounted power supply

TECHNICAL SPECIFICATIONS

General	
Technology	ON-OFF bistable latch valve and mechanical temperature selection
Angle of the faucet body with the horizontal	80°
Hydraulic connections	M10

Temperature	MINIMUM	MAXIMUM
Recommended input water range	5 °C	65°C
Maximum inlet temperature	75 °C	
Minimum inlet temperature	>5 °C	

Dynamic pressure	MINIMUM	MAXIMUM
Limits of use	0,5 bar (0.05 MPa)	10 bar (1 MPa)
Recommended limits of operation	1 bar (0.1 MPa)	8 bar (0,8 MPa)
Recommended pressure	3 bar (0,3 MPa)	
Burst (closed valve)	>35 bar (3.5Mpa)	

FLOW RATE @ 3 bar	DN8, without aerator
Mixed water	10,7 l/min

HYDRON

IRED CORE BRASS 90°

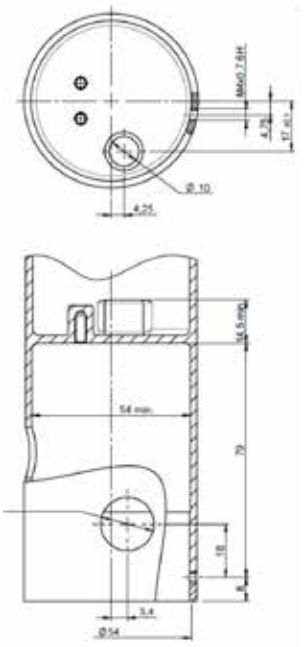


DOWNLOAD DATA SHEET

VERSIONS

iRed Core Brass 90° - S3C - AC/DC - 4MS	REF. 27ES000077
iRed Core Brass 90° - S3C - AC/DC	REF. 27ES000071

DIMENSIONS



RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

POWER SUPPLY

Hybrid solution:
- Batteries
- AC wall mounted power supply

TECHNICAL SPECIFICATIONS

General	
Technology	ON-OFF bistable latch valve and mechanical temperature selection
Angle of the faucet body with the horizontal	90°
Hydraulic connections	M10

Temperature	MINIMUM	MAXIMUM
Recommended input water range	5 °C	65°C
Maximum inlet temperature	75 °C	
Minimum inlet temperature	>5 °C	

Dynamic pressure	MINIMUM	MAXIMUM
Limits of use	0,5 bar (0.05 MPa)	10 bar (1 MPa)
Recommended limits of operation	1 bar 0.1 MPa)	8 bar (0,8 MPa)
Recommended pressure	3 bar (0,3 MPa)	
Burst (closed valve)	>35 bar (3.5Mpa)	

FLOW RATE @ 3 bar	DN8, without aerator
Mixed water	11,3 l/min

HYDRON
IRED CORE

HYDRON
IRED CORE PLASTIC 60°



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

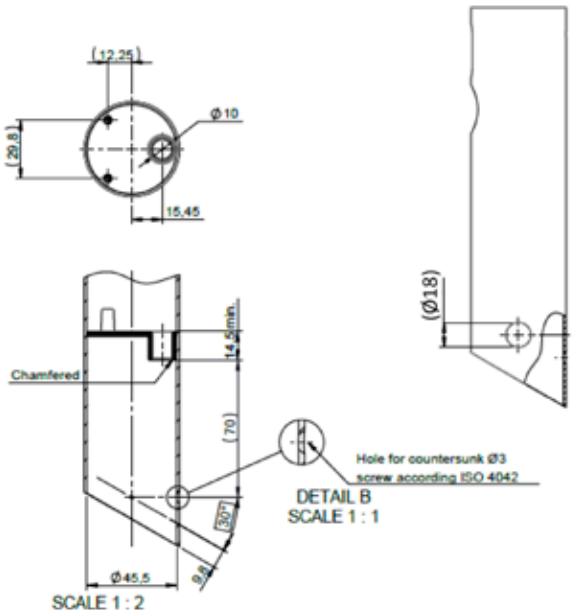
POWER SUPPLY

Hybrid solution:
- Batteries
- AC wall mounted power supply

VERSIONS

iRed Core Plastic 60° - S14C - AC/DC - 4MS	REF. 27ES000083
iRed Core Plastic 60° - S14C - AC/DC	REF. 27ES000072

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Technology	ON-OFF bistable latch valve with infrared sensor and mechanical temperature selection
Angle of the faucet body with the horizontal	60°
Hydraulic connections	G1/2

Temperature	MINIMUM	MAXIMUM
Recommended input water range	5 °C	65°C
Maximum inlet temperature	75 °C	
Minimum inlet temperature	>5 °C	

Dynamic pressure	MINIMUM	MAXIMUM
Limits of use	0,5 bar (0.05 MPa)	10 bar (1 MPa)
Recommended limits of operation	1 bar (0.1 MPa)	8 bar (0,8 MPa)
Recommended pressure	3 bar (0,3 MPa)	
Burst (closed valve)	>35 bar (3.5Mpa)	

FLOW RATE @ 3 bar	DN8, without aerator
Mixed water	14,0 l/min

HYDRON

IRED CORE PLASTIC 90°

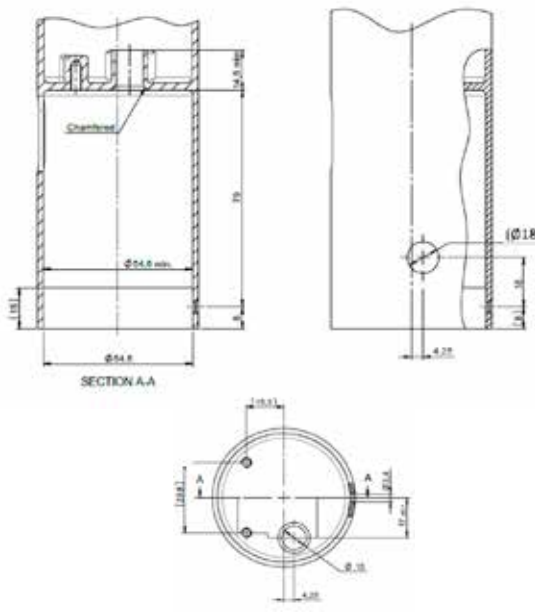


DOWNLOAD DATA SHEET

VERSIONS

iRed Core Plastic 90° - S3C - AC/DC - 4MS	REF. 27ES000082
iRed Core Plastic 90° - S3C - AC/DC	REF. 27ES000070

DIMENSIONS



RECOMMENDED APPLICATIONS

KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

POWER SUPPLY

Hybrid solution:
- Batteries
- AC wall mounted power supply

TECHNICAL SPECIFICATIONS

General	
Technology	ON-OFF bistable latch valve with infrared sensor and mechanical temperature selection
Angle of the faucet body with the horizontal	90°
Hydraulic connections	G1/2

Temperature	MINIMUM	MAXIMUM
Recommended input water range	5 °C	65°C
Maximum inlet temperature	75 °C	
Minimum inlet temperature	>5 °C	

Dynamic pressure	MINIMUM	MAXIMUM
Limits of use	0,5 bar (0.05 MPa)	10 bar (1 MPa)
Recommended limits of operation	1 bar 0.1 MPa)	8 bar (0,8 MPa)
Recommended pressure	3 bar (0,3 MPa)	
Burst (closed valve)	>35 bar (3.5Mpa)	

FLOW RATE @ 3 bar	DN8, without aerator
Mixed water	14,3 l/min

HYDRON
IRED FLUSH



DESCRIPTION

Highly efficient and economic solution for urinals packed with advanced technologies to save water with minimal maintenance while using a very low amount of energy.

FEATURES & FUNCTIONS

WATER SAVING
Intelligent flush system with adjustable flush times.

TOUCH FREE
Hands free operation therefore limits the spread of germs and bacteria.

HYGIENIC
The system automatically discharges every 24 hours as a bacteria prevention system.

LOW POWER CONSUMPTION
For Dc power,4AA alkaline batteries of 108000 cycles.

TRAP SEAL PROTECTION
If not used ,it will flush automatically every 24 hours to avoid the odor returning once the trap dries.

POWER CUT AVALABLE
In the event of power failure, this product will automatically switch to battery power.

INTELLIGENT
Self adjusting flush detection system as well as anti-light and antiultraviolet rays functions.

HYDRON

IRED FLUSH



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

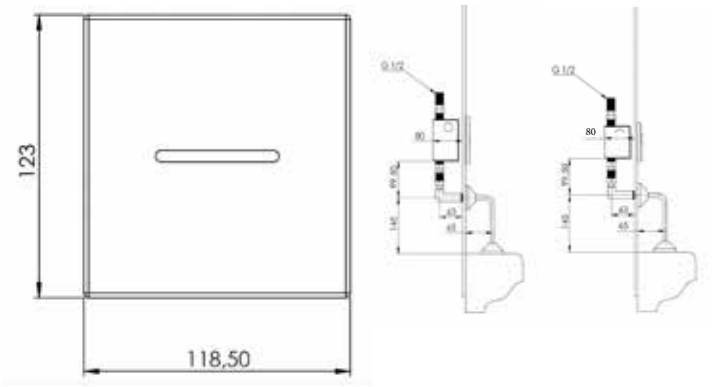
VERSIONS

VERSIONS	BRASS	PLASTIC
Valve AC+DC	REF. 27EG004003	REF. 27EG004008
Valve AC	REF. 27EG004002	REF. 27EG004007
Valve DC	REF. 27EG004001	REF.27EG004006

CERTIFICATIONS

WRAS ACS KTW

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Power	AC: 220V-240V;50/60HZ DC:4AA Alkaline battery
Power Consumption	<0.3mW
Sensing Distance	75-80cm
Water Pressure	0.5Bar-7Bar
Temperature	1-45ºC
Dia.of inlet pipe	G 1/2"
Dia.of outlet pipe	G 1/2"

HYDRON
INFRARED SENSORS



DESCRIPTION

Sedal has designed and developed a collection of off-the-shelf sensors covering most applications in the market, including main body and spout fitting, which are ready to take and integrate in touchless faucets. The Infrared Sensors by Sedal work perfectly synced with our Hydron on-off Valve Range with easy maintenance features.

OEM shapes and specifications can be developed on demand, as well as special functions such wireless connectivity or BMS capability.

ADVANTAGES

DIFFERENT SHAPES
Alternative shapes for different faucet designs available.

ADJUSTABLE DISTANCE
Sensor distance adjustable for different faucet types and applications.

EASY FITTING
Assembly friendly sensors for easier manufacturing process.

SPOUT AND MAIN BODY INSTALL
Variants for faucet spout and body location.

IP CONNECTOR
IP65 connectors for reliable assembly and function during product life.

ANTI-VANDALIC
In the event of power failure, this product will automatically switch to battery power.

FALSE ACTIVATION FREE
Smart function to recognise false.

HYDRON
SENSORS FOR IRED

S1
for iRED & iRED+



DOWNLOAD DATA SHEET

RECOMMENDED APPLICATIONS

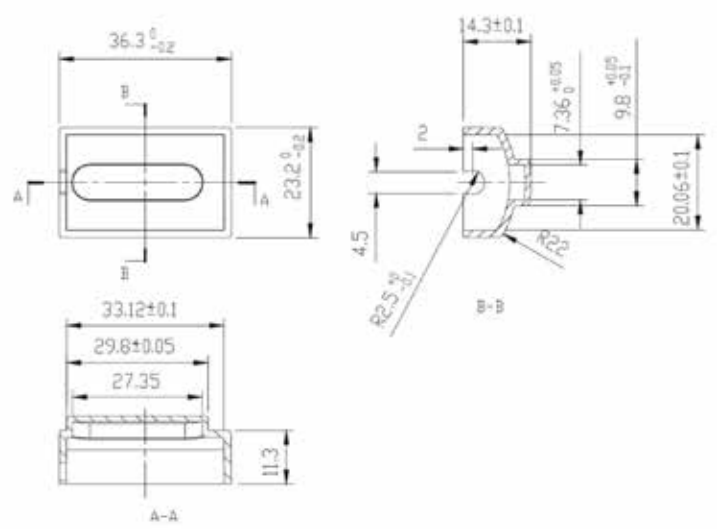
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

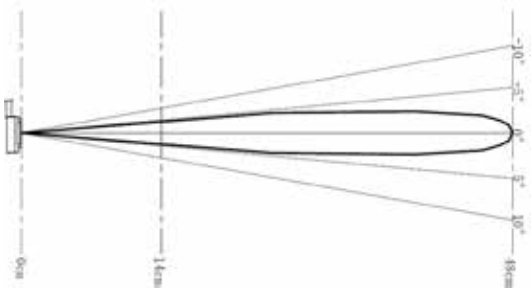
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	14-48 cm (Adjustable)
Water Saving Function	Auto closed after 30s (iRED+) Auto closed after 60s (iRED)
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V



HYDRON
SENSORS FOR IRED

S2
for IRED



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

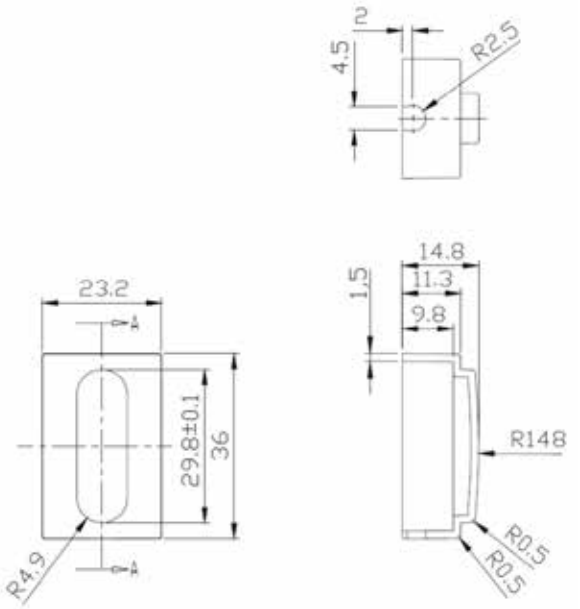
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

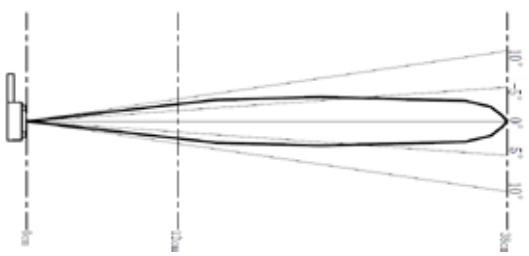
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	12-38 cm (Adjustable)
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V



S3

for IRED



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

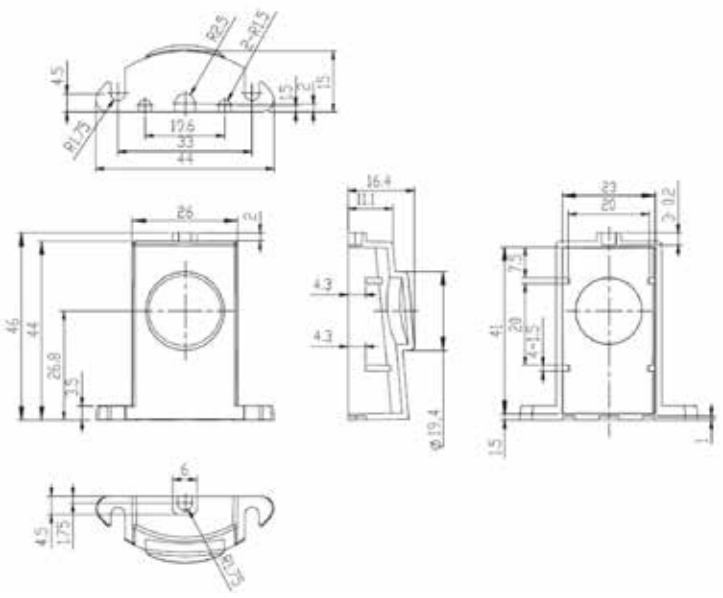
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

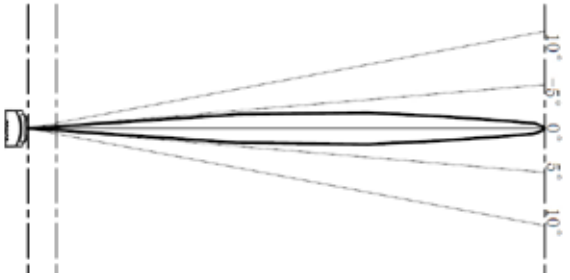
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	2-37 cm (Adjustable)
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	Indicator light when < 3,9V



HYDRON
SENSORS FOR IRED

S5
for IRED



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

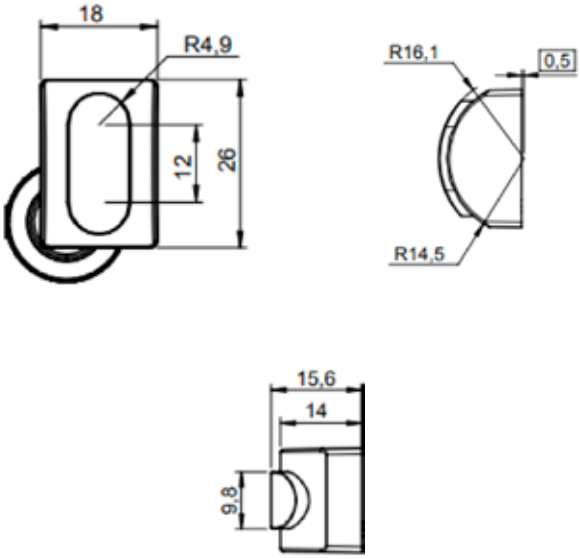
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

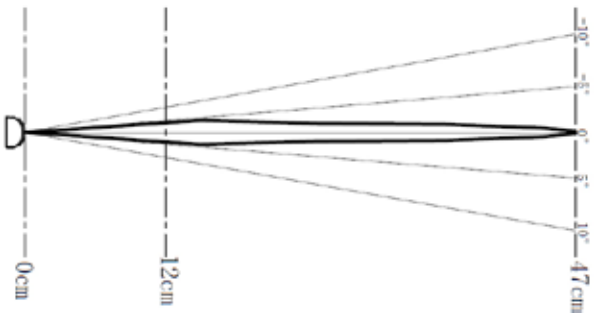
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	12-47 cm (Adjustable)
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	10 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V



S6

for IRED



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

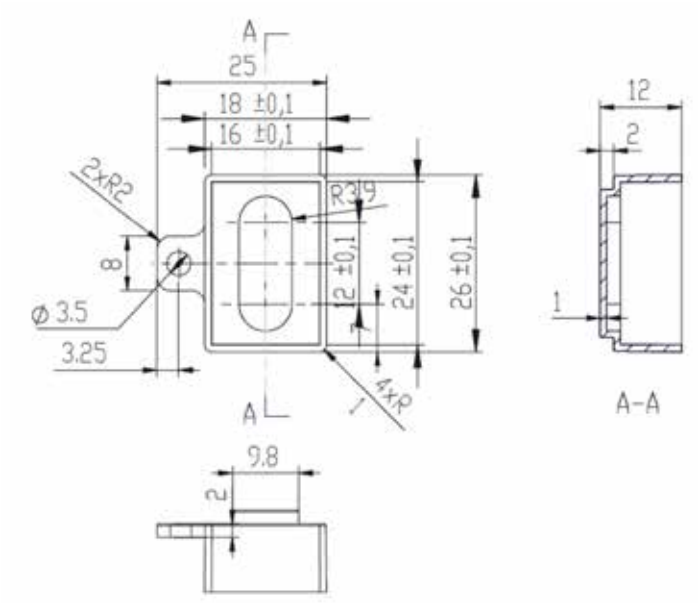
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

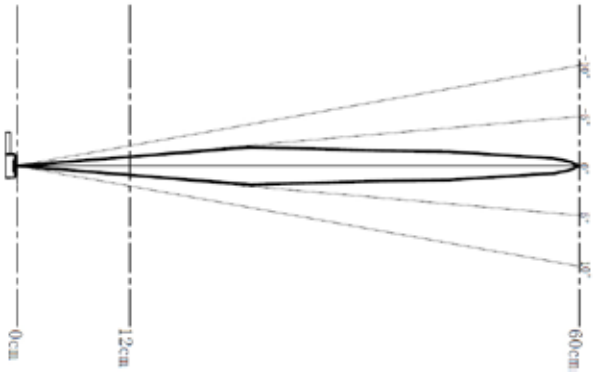
PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	12-60 cm (Adjustable)
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	Indicator light when < 3,9V



HYDRON
SENSORS FOR IRED+

S7 SENSOR KIT
for IRED+

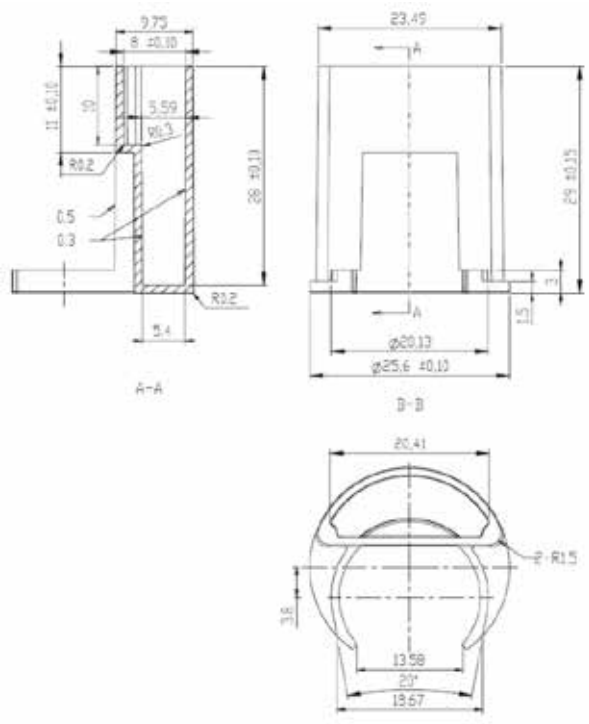


DOWNLOAD
DATA SHEET

COMPONENTS

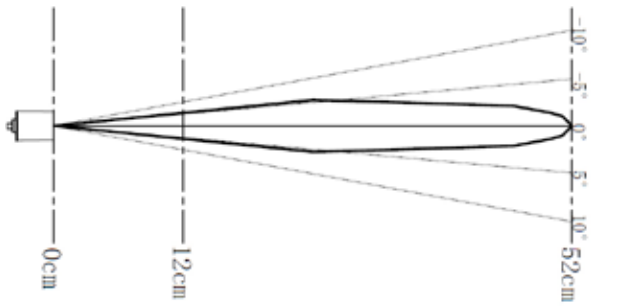


DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	12-52 cm (Adjustable)
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	10 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V



S8 SENSOR KIT

for IRED+

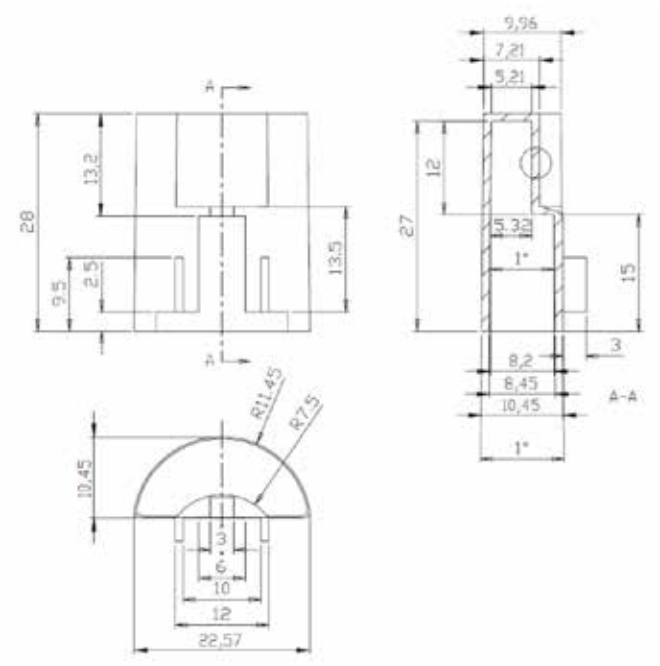


DOWNLOAD
DATA SHEET

COMPONENTS

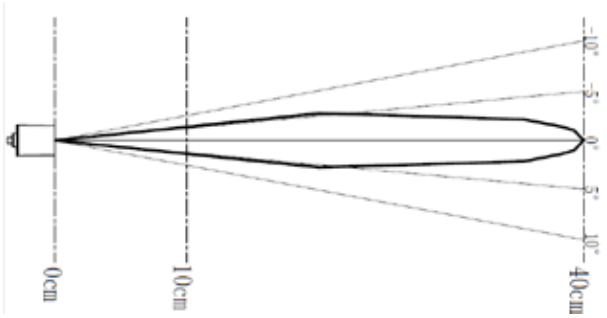


DIMENSIONS



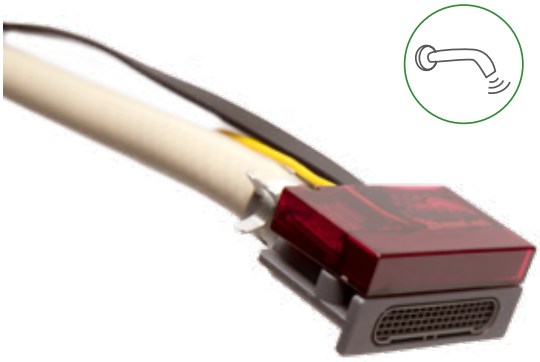
TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	10-40 cm (Adjustable)
Water Saving Function	Auto closed after 30s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V



HYDRON
SENSORS FOR IRED+

S9 SENSOR KIT
for IRED+

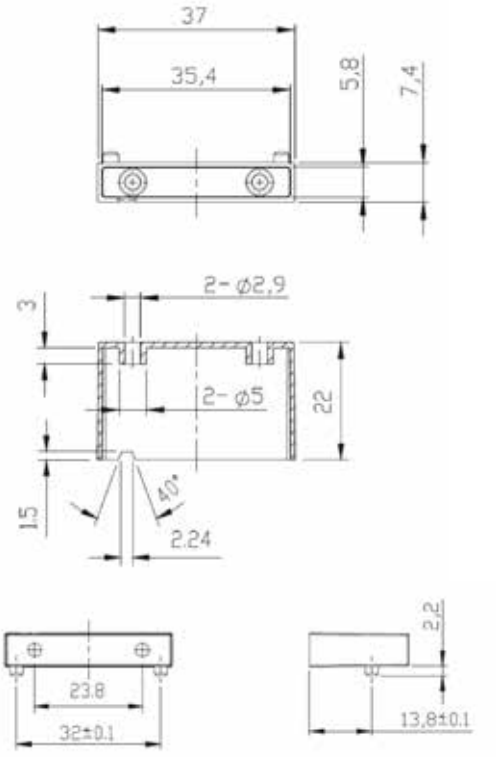


DOWNLOAD
DATA SHEET

COMPONENTS

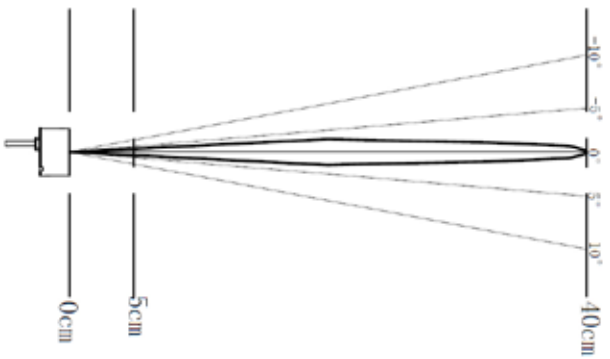


DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Detection Distance	5-40 cm (Adjustable)
Water Saving Function	Auto closed after 30s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	Indicator light when < 3,9V



HYDRON
SENSORS FOR IRED CORE

S3 CORE
for IRED CORE



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

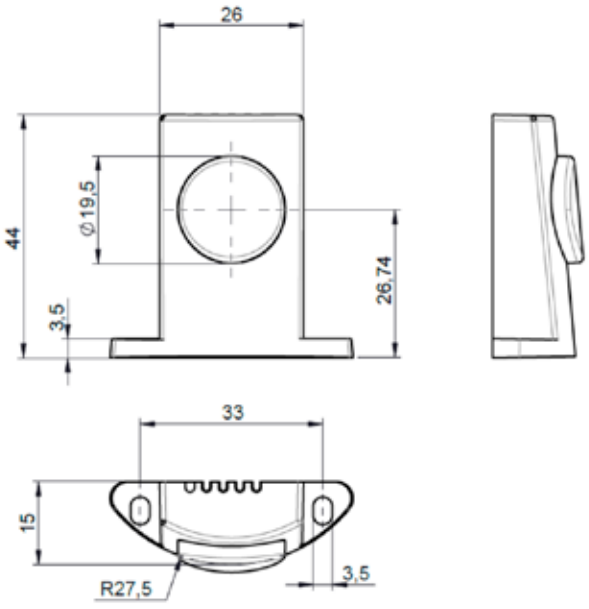
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Maximum power	≤4 W
Standby power	≤0,2 mW
Detection Distance	12-60 cm (Adjustable)
Pre-adjusted detection distance	32±2cm
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V

HYDRON
SENSORS FOR IRED CORE

S13 CORE
for IRED CORE



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

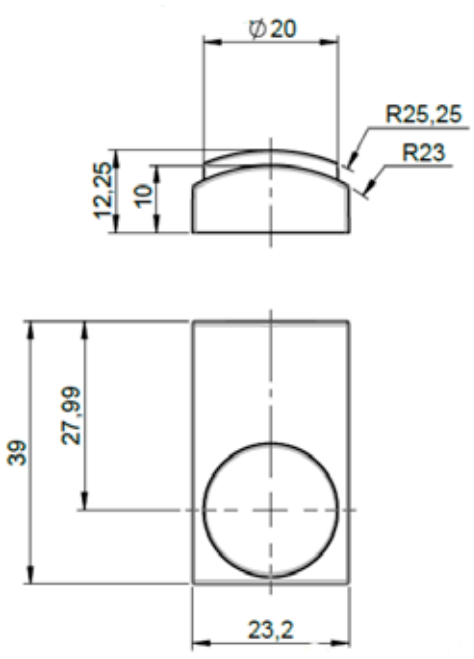
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Maximum power	≤4 W
Standby power	≤0,2 mW
Detection Distance	12-47 cm (Adjustable)
Pre-adjusted detection distance	28±2cm
Water Saving Function	Auto closed after 30s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	10 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V

S14 CORE

for IRED CORE



DOWNLOAD
DATA SHEET

RECOMMENDED APPLICATIONS

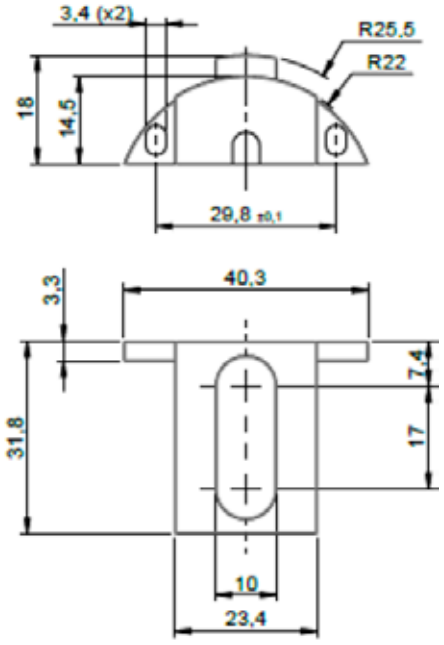
KITCHENS
Specially designed for kitchens

HOME
Suitable for faucets at home

HOTELS
Reccomended for hotels

PUBLIC VENUES
Suitable for airports, schools, libraries, etc.

DIMENSIONS



TECHNICAL SPECIFICATIONS

General	
Voltage supply	DC 6V
Maximum power	≤4 W
Standby power	≤0,2 mW
Detection Distance	12-60 cm (Adjustable)
Pre-adjusted detection distance (white card)	21±3cm
Water Saving Function	Auto closed after 60s
Life test	500,000 cycle
Opening time	< 1 s
Closing time	< 1,5 s
Detection angle	15 deg (conical)
Protection against intrusion	IP 67
Static power consumption	DC <0.5mW, AC <2W;
Under voltage protection	LED blinks twice when < 3,9V

HYDRON
INFRARED SENSORS

VALVE & SENSOR KIT PART NUMBER

REFERENCE	COMPONENT	POWER SUPPLY	SENSOR
27ES000001	iRED	DC	S1
27ES000002	iRED	AC	S1
27ES000003	iRED	AC/DC	S1
27ES000046	iRED	DC	S2
27ES000047	iRED	AC	S2
27ES000048	iRED	AC/DC	S2
27ES000049	iRED	DC	S3
27ES000050	iRED	AC	S3
27ES000051	iRED	AC/DC	S3
27ES000052	iRED	DC	S5
27ES000053	iRED	AC	S5
27ES000054	iRED	AC/DC	S5
27ES000055	iRED	DC	S6
27ES000056	iRED	AC	S6
27ES000057	iRED	AC/DC	S6
27ES000004	iRED PLUS	DC	S1
27ES000005	iRED PLUS	AC	S1
27ES000006	iRED PLUS	AC/DC	S1
27ES000058	iRED PLUS	DC	S7
27ES000044	iRED PLUS	AC	S7
27ES000059	iRED PLUS	AC/DC	S7
27ES000060	iRED PLUS	DC	S8
27ES000045	iRED PLUS	AC	S8
27ES000061	iRED PLUS	AC/DC	S8
27ES000062	iRED PLUS	DC	S9
27ES000063	iRED PLUS	AC	S9
27ES000064	iRED PLUS	AC/DC	S9
27EG002003	iRED PLUS	DC	S6
27EG002004	iRED PLUS	AC	S6
27EG002005	iRED PLUS	AC/DC	S6



HYDRON
ROTARY MIXING VALVE

ROTARY MIXING VALVE
with CERAMIC CARTRIDGE

REF. 09ST02



DOWNLOAD
DATA SHEET

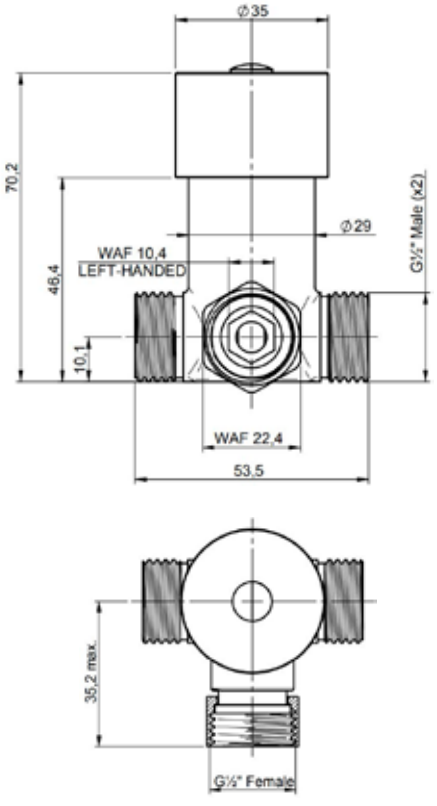
DESCRIPTION

Mechanical mixing valve that allows selecting a preset water temperature. The typical application is placing the valve upstream of a single pipeline terminal fitting, such as infrared-controlled electro valve, headwork, self-closing valve, spray nozzle, etc.

FEATURING

- Chrome-plated brass body and knob
- Rotary mixing cartridge with ceramic disks provides superb operation comfort and durability.
- Check valves placed at both inlets for backflow protection.
- Rubber seal include mesh filters for particles retention.

DIMENSIONS



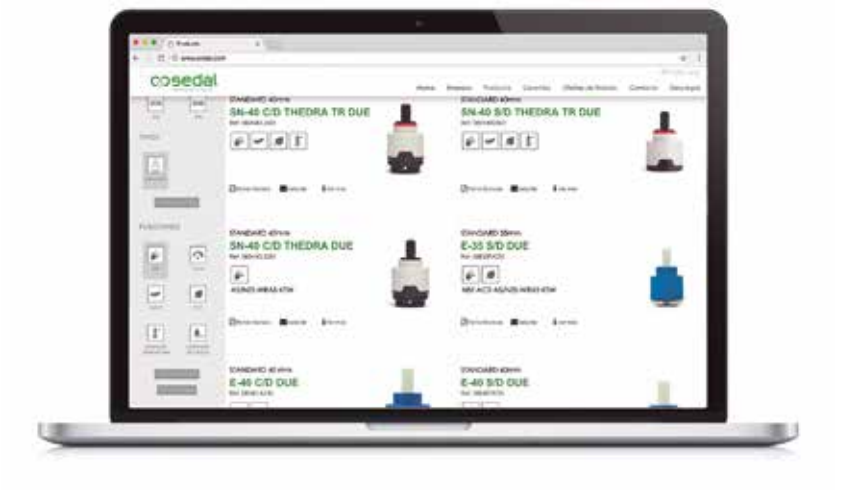
TECHNICAL SPECIFICATIONS

General	
Technology	Rotary ceramic cartridge
Turning angle	90°
Operating torque @ 3 bar	≤0,2 mW
Hydraulic connections	12-60 cm (Adjustable)
Life test resistance EN 200	21±3cm
Weight	Auto closed after 60s

Temperature	
Maximum inlet temperature	65 °C *(1)
Minimum inlet temperature	>0 C

Pressure	
Recommended dynamic	3 bar (0.3 MPa)
Burst	>35 bar (3,5 MPa)

Flow Rate (3 bar, DN8)	Free Flow	Class A
Mixed water	16 L/min	10 L/min
Full Cold or Full Hot	14 L/min	9 L/min



www.sedal.com

Get access to the complete and latest product technical data by downloading from our Webpage the Product Technical Data Sheets.



blog.sedal.com

Visit Sedal Blog to keep up to date with our latest innovations in cartridges and smart shower devices.

The values that appear in the catalogue have been tested in our laboratory using master faucets. The values may change depending on conditions of installation. Sedal reserves the right to change the catalogue without notice.

HEADQUARTERS
Sedal, S.L.U.
Polígono Industrial Can Sunyer
C/ Química, 2-12
E-08740 Sant Andreu de la Barca (Barcelona) · Spain
Tel. +34 93 680 33 00 · Fax +34 93 680 33 03
sedal@sedal.com · www.sedal.com

Kaiping Sedal Tap Components CO LTD.
No.H1, No.3 · Industrial District, Shuikou Town · Kaiping City
529321 Guangdong Province · China
Tel: +86 750 272 8598 · Fax: +86 750 272 8599
sales@ksedal.com · www.sedal.cn

Jiangmen Sedal Cetec Advanced Technical Ceramics CO LTD.
Building 7 of Jiang-Mu Road 128, Jiangmen Hi-tech Industrial
Development Zone · Jiangmen City 529000 · Guangdong Province, China
Tel: +0750 369 7078 · Fax: +0750 369 7070
www.sedal.com