

# ENDURA CARTRIDGE

## 35mm RANGE

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The new ENDURA 35 cartridge shows an extraordinary endurance: 2x standard life cycling tests. A complete set of technologies that have been built into this new piece of engineering to go far beyond competition. Featuring a set of SedalOX® ceramics reinforced with our exclusive Nano Shelter Technology in its heart, the ENDURA cartridge range will give the manufacturers all the features that the market is demanding... and more

endura



# FEATURING

# 1

## New from scratch

We have developed a newly built ENDURA 35 valve. High precision components, along with excellent performing materials make the new ENDURA suitable for virtually any application.



HIGH  
PRECISION  
COMPONENTS

# 2

## A bunch of technology

A complete set of high tech solutions:

- Glide Feel Technology for a perfectly smooth operation
- Ceramic Nano Shelter Technology to provide extra durability,
- Noise Cancelling Technology to lower the noise level
- AccuDue Technology to deliver high precision water saving value.

# 3

## SedalOX™ 96 RTP, keystone

The new ENDURA features SedalOX™ 96, a high performance ceramic set by Sedal Ceramics. This 96% Aluminum Oxide Ready To Press (RTP) powder performs above expectations thanks to Nano Shelter Technology™, which creates nanometer sized deposits for the grease on the disc surface for an extended life cycling. The result is more than double ASME and EN standard cycles in life tests.

x2  
LIFE  
CYCLE



# 4

## 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.

Water and energy saving technologies, safety temperature regulation, maximum water flow limiter, as well as standard selections are available and fully compatible.



C1, C2, C3  
NF ECAU  
COMPLIANT  
VERSIONS

# 5

## New SISO, SIO, and BISO options

Sedal offers DRY FAUCET base configurations with threaded inserts.

- SISO (side in-side out)
- SIO (side in and out)
- BISO (bottom in-side out)

With this solutions, the ENDURA cartridge allows the manufacturer to completely avoid contact between faucet and water by plugging the inlet and outlet hoses directly into the cartridge.



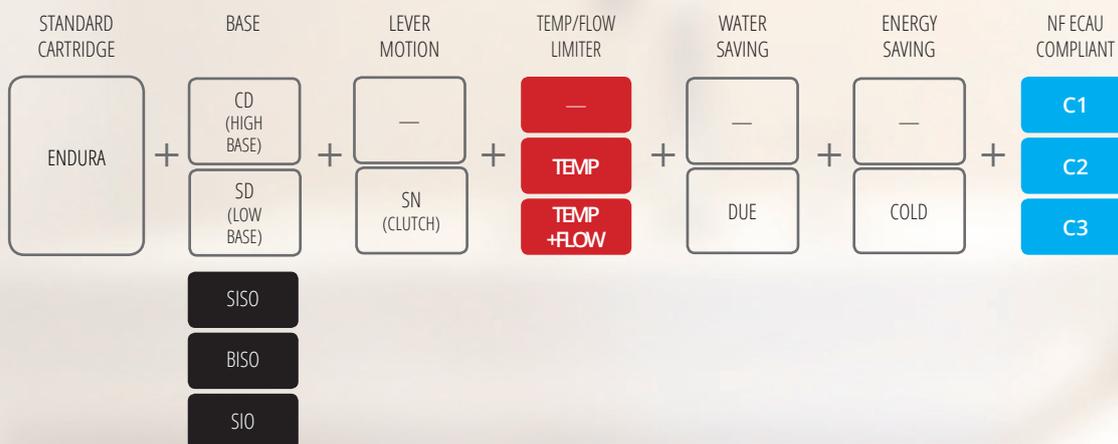
KTW-WRAS-AS/NZS-  
NSF-ACS  
CERTIFIED



## THE RANGE

The new ENDURA cartridge range has been designed as a modular system, completely compatible throughout all options\*. This feature allows the manufacturer to create its own version by simply adding preset standards to the basic cartridge. More than 100 potential combinations make the ENDURA virtually suitable for any application.

\*Except for SISO, BISO and SIO bases.



# TECHNICAL SPECIFICATIONS

Nut torque/Pitch M1,5	10-12 Nm
Opening angle	25°
Rotation angle	90°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>50 bar
Life cycle - EN 817 NF U3	175.000 cycles
x2 ASME	1.000.000 cycles
x2 GB18145	140.000 cycles
Sensitivity	>12 mm
Fidelity	<2 °C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4 °C - <6 °C

Max. hot water	90 °C
<b>Flow rate at 3 bar</b>	
Free flow	27,70 l/min (C/D) · 26,10 l/min (S/D)
C-Restrictor	20,80 l/m (C/D) · 20,20 l/min (S/D)
<b>Operation Torque</b>	
Open-close	0,20÷0,35 Nm
Turn left-right	0,15÷0,25 Nm
Noise level	20 ± 2 dB

Tested with proprietary fixtures at SEDAL lab. (1) Considering restrictor & faucet body type

**sedal**  
THE FAUCET'S HEART

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