

THEDRA CARTRIDGE

40mm RANGE

The new Sedal's THEDRA cartridge range sets a new standard in ceramic single lever valves. Its unique clean and smart design confers the THEDRA cartridge an undeniable ability to withstand the most extreme working conditions. The new THEDRA is the first cartridge in history that has been awarded with an international design award.



reddot award 2016
winner

THEDRA



sedal
THE FAUCET'S HEART

FEATURING

1

Out of solid rock

THEDRA is designed according to the roughest manufacturer's technical requests: compression, torque, handle load, burst and life cycles, granting smooth but firm user operation thanks to Glide Feel Technology.



WITHSTANDS
THE
TOUGHEST
WORKING
CONDITIONS

2

Challenge, Technology

Careful design, ceramic expertise, several smart technologies (Glide Feel Technology, Ceramic Nano Shelter Technology, Noise Cancelling Technology, AccuDue Technology), high performance materials and extraordinarily precise components are used to build the new THEDRA cartridges.

3

Long live the King

The new THEDRA cartridge performs and lives beyond average: 2 times ASME life cycles. Longer life will give the manufacturers and users the peace of mind they expect when buying a lifetime piece.

4

SedalOX™ 96 RTP, keystone

The new THEDRA features SedalOX™ 96, a high performance ceramic set by Sedal Ceramics. This ceramic has been formulated to perform above our competitors 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 cycles in life tests.



x2
LIFE
CYCLE

NOISE
CANCELLING
TECHNOLOGY

5

Enjoy the silence

The THEDRA cartridge range has NF Class I compliant cartridges, thanks to the perfect integration of the movable ceramic with the holder featuring Sedal's Noise Cancelling Technology, delivering as low as 16 dB noise level for bath, shower, basin and kitchen applications.



C1, C2, C3
NF ECAU
COMPLIANT
VERSIONS



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6

Unequal design, unequal results

THEDRA was granted with reddot award in 2016. Its unique design makes it unmistakably recognizable and fake safe. But not only that, its clever design also makes it do what it does: Perform above expectations.

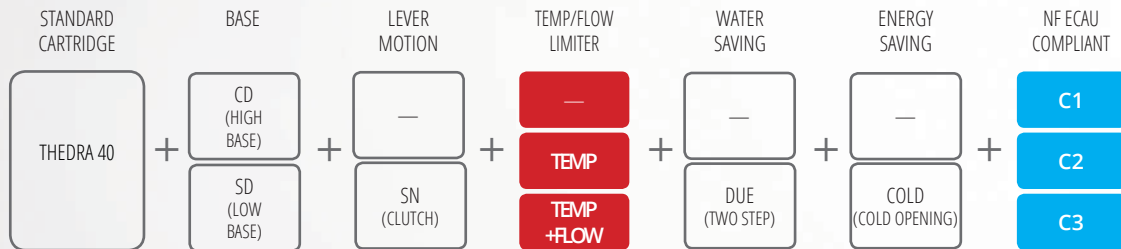
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Great range, greater possibilities

THEDRA valve range provides more than 20 different combinations for the manufacturers to develop their products. Water and energy saving technologies, safety temperature regulation, maximum water flow limiter, as well as standard selections are available and fully compatible.

THE RANGE

The new THEDRA 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 20 potential combinations make the THEDRA virtually suitable for any application.



TECHNICAL SPECIFICATIONS

| | |
|--|------------------|
| Nut torque/Pitch M1,5 | 10-12 Nm |
| Opening angle | 25° |
| Rotation angle | 100° |
| 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 | 10÷12 mm |
| Fidelity | <3 °C |
| Constant 63 °C & 50 °C (6 l/min - 3 l/min) | <4 °C - <6 °C |

| | |
|---------------------------|---------------------------------------|
| Max. hot water | 90 °C |
| Flow rate at 3 bar | |
| Free flow | 31,50 l/min (C/D) · 28,60 l/min (S/D) |
| C-Restrictor | 22,10 l/m (C/D) · 21,10 l/min (S/D) |
| Operation Torque | |
| Open-close | 0,20÷0,40 Nm |
| Turn left-right | 0,20÷0,40 Nm |
| Noise level | 16 ± 2 dB (C/D) |

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



SEDAL GROUP
 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