

iTOP 25mm

Digital Cartridge

Versions

48EN25S0001	iDC-25 with 47.6 mm handle length
48EN25S0002	iDC-25 with 48.1 mm handle length

Technical Specifications

General

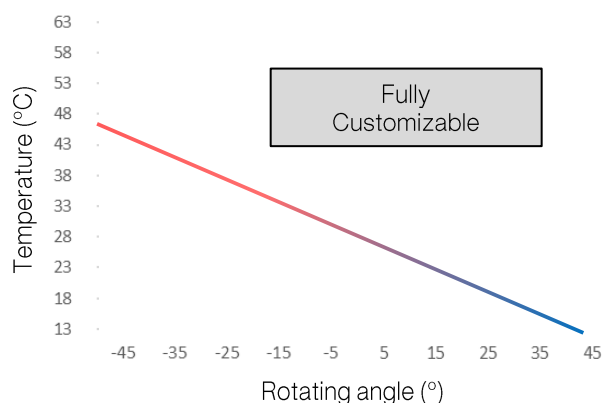
Technology	Patented
Power consumption	≤ 6 W (Stand-by ≤ 1 W)
Rated voltage	5 - 12 V DC
Nut torque Brass, M27x1,25	7-8 Nm

Function

Operation torque	0,15-0,30 Nm
Click operation torque	0,30-0,40 Nm
Available clicks direction	No
Communication cable with handle	No
Life cycle	EN-817 ASME A112.18.1

Sensitive curve

Rotating angle VS Temperature



^{*(1)} Available options under customer request.

Technical Data Sheet



Description

Fully electronic cartridge that converts the handle motion of classic faucets into digital information to control an electronic water valve. The iTOP Digital Cartridge features X-lever TM technology that brings additional functions impossible to fulfill with standard mechanical cartridges. As no water flows through the iTOP Digital Cartridge, a smooth and comfortable operation is ensured for years. The small size of iTOP 25mm allows a slim design capability.

Features

- Digital actioning of the faucet
- Haptic experience and feeling are the same as the ones from classical cartridges. No learning period is required.
- Customizable flow rate and temperature curves ^{*(1)}
- Low energy version is available ^{*(1)}, especially devised to work within battery-powered systems.
- The cartridge is calibrated during its production. No further calibration is needed.
- Open protocol (Modbus RTU)

Certifications

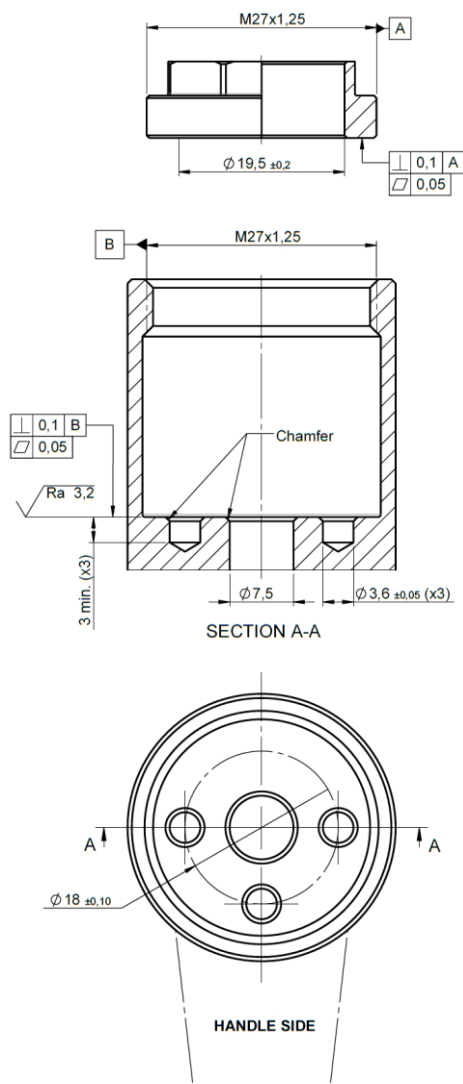
Electric Standards

EMC: EN 55014-1:2017 / EN55014-2:2015
RoHS: IEC 63000:2018

Mechanical Standards

EN-817
ASME A112.18.1

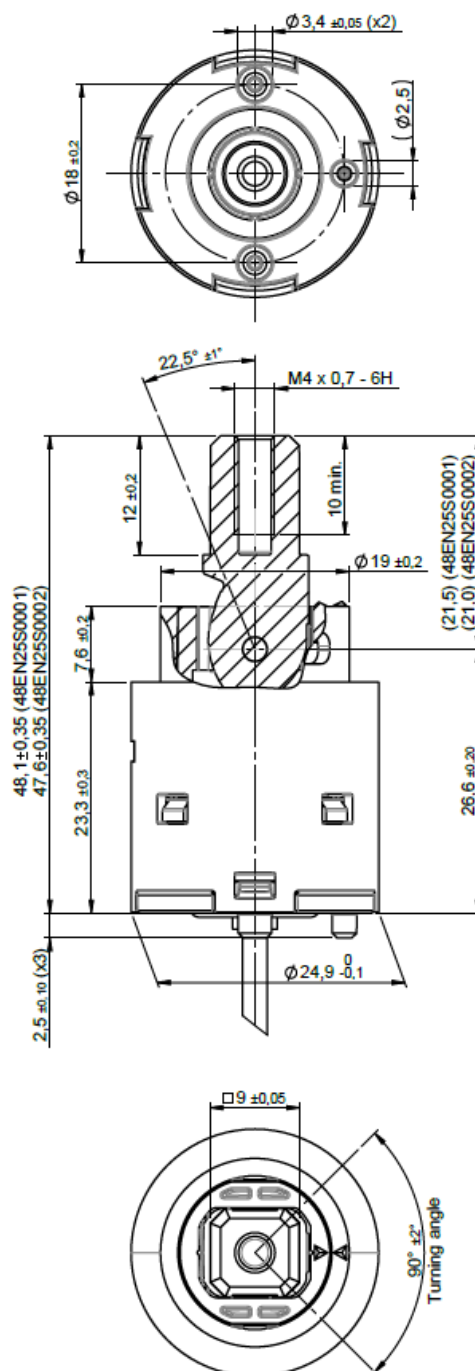
Machining Prescription



Connectivity

Wire connection (standard plug 3.5mm) to M1/T1 electronic water valve. Communication protocol: Modbus RTU with open memory map.

Technical Dimensions



More information: www.sedal.com