

KEROX

NEW

Ceramic Bath & Shower
Diverter Cartridge
Single-Lever Type
Model BSD-40

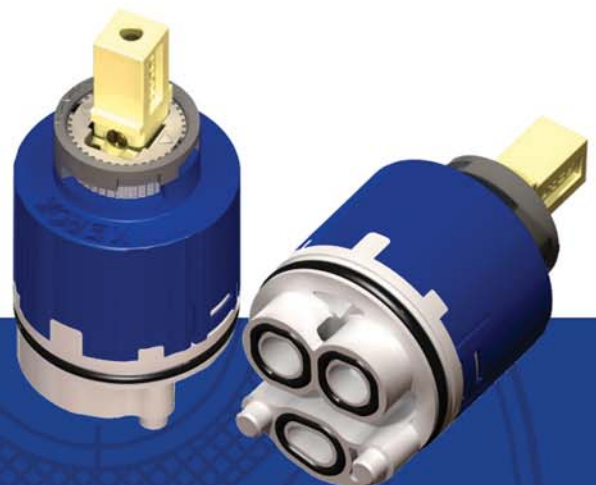
Shower mode
rotary operating



Bath filling mode
single lever operating

ADVANTAGES

- It simplifies the design of the shower valve
- No separate diverter mechanism
- Cost reduction in faucet production
- It provides easier, more intuitive operation
- Easier cleaning



TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

Material:	AL₂O₃
Surface roughness Ra:	0.3 μm
Contact surface area:	50-70%

TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

Opening angle (in bath position only):	25°
Mixing angle in bath position:	80°
Mixing angle in shower position:	90°
Max. water pressure:	35 bar / 500 psi
Max temperature:	90°C / 194°F
Max. tightening torque:	12Nm / 106lbf·in

Pressure test:

Pneumatic: **6 bar / 87 psi**

Hydraulic: **35 bar / 500 psi**

Flow rate: (3 bar / 45 psi, test faucet, EN 817)

25.5 l/min / 6.7 gpm in bath position without resistance

11 l/min / 2.9 gpm in shower position without resistance

Endurance test:

EN 817 70 000 cycles

ASME A 112.18.1 500 000 cycles

- Single-lever type cartridge with built-in shower diverter function.
- Rotational travel is divided into bath and shower quadrants: In the right quadrant (bath mode), single lever action provides both temperature and volume control. In the left quadrant (shower mode), rotational action provides temperature control only.

FLOW RATE & HYSTERESIS CURVES

Test faucet, without resistance
Water pressure: 3 bar

