Shower mode

Shut-off position is the center position

Bath filling mode

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
Ceramic Bath & Shower Diverter Cartridge
Rotary Type • 40 mm Size
Model BSDR-40

TECHNICAL CHARACTERISTICS
OF THE CERAMIC DISCS:

Material: $\text{AL}_2\text{O}_3$
Surface roughness Ra: 0.3 µm
Contact surface area: 50-70%

TECHNICAL CHARACTERISTICS
OF THE CARTRIDGE:

Mixing angle in bath position (clockwise): 90°
Mixing angle in shower position (anti-clockwise): 90°
Max. water pressure: 35 bar / 500 psi
Max. temperature: 90°C / 194°F
Max. tightening torque: 12 Nm / 106 lbf•in

Pressure test:
Pneumatic: 6 bar / 87 psi
Hydraulic: 35 bar / 500 psi

Flow rate: (3 bar / 45 psi, test faucet, EN 817)
24.8 l/min / 6.6 gpm
in bath position without resistance
13.1 l/min / 3.5 gpm
in shower position without resistance

Endurance test:
EN 817 70 000 cycles
ASME A 112.18.1M 500 000 cycles

- Rotational travel is divided into bath and shower quadrants, each providing temperature control only. (no volume control)
- ±90° travel from off to full hot in both operating ranges.

FLOW RATE & HYSTERESIS CURVES

Test faucet, resistance „C”
Water pressure: 3 bar

Bath

Shower

Rotational range within comfort zone

Rotational travel is divided into bath and shower quadrants, each providing temperature control only. (no volume control)

±90° travel from off to full hot in both operating ranges.