Ceramic Mixing Cartridges
Conventional Single-lever Type 40 & 42 mm Sizes
Models KNC-40A • KNC-40B • KNC-42C • KNC-42D

TECHNICAL CHARACTERISTICS
OF THE CERAMIC DISCS:

- Material: \( \text{AL}_2\text{O}_3 \)
- Surface roughness Ra: 0.2 \( \mu \)m
- Contact surface area: 50-80%

TECHNICAL CHARACTERISTICS
OF THE CARTRIDGE:

- Opening angle: 25°
- Mixing angle: 110°
- Max temperature: 90°C/194°F
- Recommended tightening torque: 12-13 Nm / 106-115 lbf•in
- Pressure test:
  - Pneumatic: 6 bar / 87 psi
  - Hydraulic: 35 bar / 500 psi
- Flow rate:
  - (3 bar / 45 psi, test faucet, EN 817)
  - 31.4 l/min / 8.3 gpm without resistance
  - 24.1 l/min / 6.4 gpm with resistance „D“
  - 21.5 l/min / 5.7 gpm with resistance „C“
- Endurance test:
  - EN 817: 70 000 cycles
  - ASME A 112.18.1M: 500 000 cycles

FLOW RATE & HYSTERESIS CURVES
Test faucet, resistance „C“
Water pressure: 3 bar

FLOW RATE CURVES
- Test faucet, without resistance
- Test faucet, with resistance „D“
- Test faucet, with resistance „C“

- This cartridge has energy saving feature. Opening angle of ECO function is 10°. In this position the economical flow rate: 6.6 - 8.4 l/min / 1.7 - 2.2 gpm at 3 bar / 45 psi.
- High rotational range within comfort zone:
  - In full open position: 23° rotational range
  - In ECO position (opening angle: 10°): 26° rotational range
- This cartridge is ideal for shower, wash-bowl, kitchen and bidet.
- Quiet working
INTERCHANGEABLE WITH 40MM CONVENTIONAL SINGLE-LEVER CARTRIDGES