**TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:**

- **Material:** $\text{Al}_2\text{O}_3$
- **Surface roughness Ra:** 0.3 $\mu$m
- **Contact surface area:** 50-80%

**TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:**

- **Opening angle:** 25°
- **Mixing angle:** 100°
- **Max. water pressure:** 35 bar / 500 psi
- **Max. temperature:** 90°C / 194°F
- **Clamping zone:** 24.5 ± 0.05 mm
- **Pressure test:**
  - Pneumatic: 6 bar / 87 psi
  - Hydraulic: 35 bar / 500 psi
- **Flow rate:**
  - (3 bar / 45 psi, test faucet, EN 817)
  - 11.5 l/min / 2.5 gpm with resistance „C”
  - 12.8 l/min / 2.8 gpm without resistance
- **Endurance test:**
  - EN 817 70 000 cycles

- Rotational action provides temperature control.
- The mixed water runs out from the bottom of the cartridge only. This construction allows the faucet manufacturers to use built-in resistance, directly after the output of the cartridge. The water can flow around the housing of the cartridge as well.
- Opening action provides flow rate control.

**FLOW RATE & HYSTERESIS CURVES**

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

**FLOW RATE CURVES**

- Flow rate without resistance
- Flow rate with resistance „C”
K-25 OPC CARTRIDGES
K-25 OPC • K-25 OPC M • K-25 OPC S

Faucet

Cartridges