**Open House Ceramic Mixing Cartridge**

**Type 35 mm Size**

**Model K-35OP**

---

**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:** 90°
- **Max. water pressure:** 35 bar / 500 psi
- **Max. temperature:** 90°C / 194°F
- **Recommended tightening:** 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)
  - 26.6 l/min / 7 gpm without resistance
  - 21.4 l/min / 5.7 gpm with resistance „D“
  - 19.5 l/min / 5.2 gpm with resistance „C“

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

---

- You can set the temperature by rotating the lever.
- Opening action provides flow rate control.
- The mixed water runs out from the output on the side of the cartridge.
- This model has two features which save energy:
  - ECO function saves water consumption and there is a HWS ring which allows you to set the maximum usable temperature of the hot water.

---

**FLOW RATE & HYSTERESIS CURVES**

Test faucet, resistance „C“

Water pressure: 3 bar

---

**FLOW RATE CURVES**

---

**Diagram:**

- Rotational range within comfort zone

---

**Diagram:**

- Flow rate without resistance
- Flow rate with resistance „D“
- Flow rate with resistance „C“
- Flow rate with resistance „A“

---

**Diagram:**

- Flow rate [l/min]
- Pressure [bar]

---

**Diagram:**

- Cold water
- Hot water

---

**Diagram:**

- Flow rate [l/min]
- Pressure [bar]