Ceramic Mixing Cartridges
Conventional Single-lever Type • 35 mm Sizes
Model KS-35

TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

<table>
<thead>
<tr>
<th>Material:</th>
<th>( \text{AL}_2\text{O}_3 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface roughness</td>
<td>( \text{Ra: } 0.2 , \text{µm} )</td>
</tr>
<tr>
<td>Contact surface area</td>
<td>50-80%</td>
</tr>
</tbody>
</table>

TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

| Opening angle: | 25° |
| Mixing angle:  | 90°  |
| 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)
- \( 25.7 \, \text{l/min} / 5.7 \, \text{gpm} \) without resistance
- \( 19 \, \text{l/min} / 5 \, \text{gpm} \) with resistance „C“

Endurance test:

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

- This construction is like the K-35 conventional single-lever cartridge but it has different metal lever. There is a possibility to change the dimensions of the lever with an optional plastic adapter.
- The dimension of the simple metal lever: 7x8mm
- The dimension of the lever with the adapter: 9x9mm
- 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.
- This cartridge is interchangeable with the conventional single-lever 35mm cartridges.

FLOW RATE & HYSTERESIS CURVES

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

FLOW RATE CURVES

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