Ceramic Mixing Cartridge
Rotary Flow-Through • 28 mm Size
Model FT-28

TECHNICAL CHARACTERISTICS
OF THE CERAMIC DISCS:

<table>
<thead>
<tr>
<th>Material</th>
<th>Al₂O₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface roughness Ra</td>
<td>0.2 µm</td>
</tr>
<tr>
<td>Contact surface area</td>
<td>50-80%</td>
</tr>
</tbody>
</table>

TECHNICAL CHARACTERISTICS
OF THE CARTRIDGE:

<table>
<thead>
<tr>
<th>Mixing angle</th>
<th>90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. water pressure</td>
<td>35 bar / 500 psi</td>
</tr>
<tr>
<td>Max temperature</td>
<td>90°C / 194°F</td>
</tr>
</tbody>
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Max. tightening torque: 12 Nm / 106 lbf•in

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

Constant flow rate in the 40°-90° range.

Flow rate:
- (3 bar / 45 psi, test faucet, EN 817)
- 14 l/min / 3.7 gpm without resistance

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

- Rotational action provides on-off & temperature control only (no volume control)
- Characteristics & operation are as per basic model KR-28
- Mixed water flows through cartridge stem into the spout
- Opens up new faucet design possibilities
  - Simplifies faucet body design
- There are two types of this model:

FTJ-28 - Open-Anti-Clockwise, assembled with gray ring
FTB-28 - Open-Clockwise, assembled with black ring

FLOW RATE & HYSTERESIS CURVES

Test faucet, without resistance
Water pressure: 3 bar

![Flow rate & hysteresis curves diagram]
Lever dimensions are optional.