Ceramic Diverter Cartridges
Rotary (Cycling) Type • 35 mm Size
Models KDN-35HT A • KDN-35HT B • KDN-35HT C • KDN-35HT D

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>0.3 µm</td>
</tr>
<tr>
<td>Contact surface area:</td>
<td>50-70%</td>
</tr>
</tbody>
</table>

TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

- Max. mixing angle: 180°
- Max. water pressure: 35 bar / 500 psi
- Max temperature: 90 °C / 194 °F
- Recommended tightening torque: 12 Nm / 106 lbf•in
- Pneumatic: 6 bar / 87 psi
- Hydraulic: 35 bar / 500 psi
- Pressure test:
  - Pneumatic: 6 bar / 87 psi
  - Hydraulic: 35 bar / 500 psi
- Endurance test:
  - EN 817: 70 000 cycles
  - ASME A 112.18.1M: 500 000 cycles
- Constant flow rate in the -90° - +90° range

Flow rate:

- (3 bar / 45 psi, test faucet, EN 817)
- 35 l/min / 9.24 gpm without resistance

- Ideal for use in shower panels (as a diverter cartridge) and in electronic faucets (as a mixing cartridge).
- This model can be used both as a diverter cartridge and a mixing cartridge. (without shut-off).
- Used as a diverter, pre-mixed water enters port 3 exits either port 1 and / or 2.
- Used as a mixer, hot and cold water enters ports 1 and 2, and discharges from port 3. (For on-off and volume control functions, an additional valve is required).
KDN-35HT CARTRIDGES
A • B • C • D

Cartridge with "PBR" stem

Teeth of the "PBR" stem
Cartridge with "G" stem

Faucet