**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 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
- **Pressure test:**
  - Pneumatic: 6 bar / 87 psi
  - Hydraulic: 35 bar / 500 psi
- **Flow rate:**
  - (3 bar / 45 psi, test faucet, EN 817)
  - **30.5 l/min / 8.05 gpm** without resistance
- **Endurance test:**
  - EN 817: 70 000 cycles
  - ASME A 112.18.1M: 500 000 cycles

- This model can be used as a diverter cartridge only. Pre-mixed water enters port 3 and exits port 1 or 2. The cartridge shuts off in the middle position with a tactile “click”.
- Ideal for use in tub & shower valves. This cartridge can also be used for diverting incoming water through filtration system for dedicated drinking purposes.
Teeth of the „PBR“ stem

Cartridges with „PBR“ stem
KDZ-35HT CARTRIDGES A • B • C • D

Cartridge with "G" stem

Faucet