Ceramic Mixing Cartridges  
Energy-Saving Single-Lever Type • 35 mm Sizes  
Models NKJ-35 • NKB-35

TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

<table>
<thead>
<tr>
<th>Material:</th>
<th>Al₂O₃</th>
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</thead>
<tbody>
<tr>
<td>Surface roughness Ra:</td>
<td>0.2 µm</td>
</tr>
<tr>
<td>Contact surface area:</td>
<td>50-80%</td>
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</tbody>
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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)  
  22.3 l/min / 5.9 gpm with resistance „C”  
  34.6 l/min / 9.1 gpm without resistance

Endurance test:

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

Two exclusive features to provide economies of water consumption overall, and of hot water use specifically:

- Saves energy by turning on in middle position of lever handle, delivering cold water - adds hot water only as lever is rotated.
- Saves water because user must override “resistance bump” to obtain high flow - acts as deterrent to unconsciously turning handle onto full flow position regardless of water requirement. Economical flow rate is maximum 9 l/min / 2.4 gpm at 3 bar / 45 psi.

NKJ-35 ECO and NKB-35 ECO

Models NKJ-35A • NKJ-35B • NKJ-35C • NKJ-35D  
Rotate-Anti-Clockwise    gray hot limit stop  
Hot/cold water inlet connections must be reversed.

Models NKB-35A • NKB-35B • NKB-35C • NKB-35D  
Rotate-Clockwise    black hot limit stop
THE MOVEMENT RANGE OF THE LEVER

Maximum water flow rate

ROTATE ANTI-CLOCKWISE

6°

Hot water

Mixing angle

Cold water

Modell NKJ-35

NK-35 CARTRIDGES
NKJ-35 • NKB-35

Maximum water flow rate

ROTATE CLOCKWISE

6°

Hot water

Mixing angle

Cold water

Modell NKB-35
FLOW RATE & HYPHERESIS CURVES

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

FLOW RATE CURVES

Rotational range within comfort zone

INTERCHANGEABLE WITH 35 MM CONVENTIONAL SINGLE-LEVER CARTRIDGES.