

NKJ-35 • NKB-35

CERAMIC MIXING CARTRIDGES
ENERGY-SAVING SINGLE-LEVER TYPE
35 MM SIZES



MADE in the EUROPEAN UNION

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

TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

Material: Al_2O_3
Surface roughness Ra: 0.2 μm
Contact surface area: 50-80%

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): 34.6 l/min / 9.1 gpm without resistance 22.3 l/min / 5.9 gpm with resistance „C“
Endurance test:	EN 817 70 000 cycles ASME A112.18.1 500 000 cycles

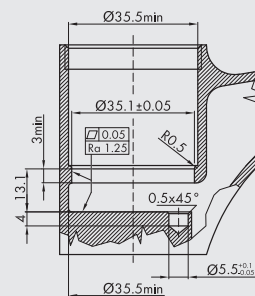
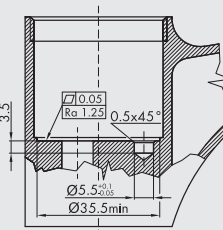
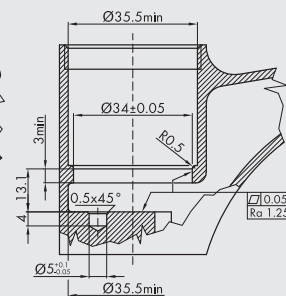
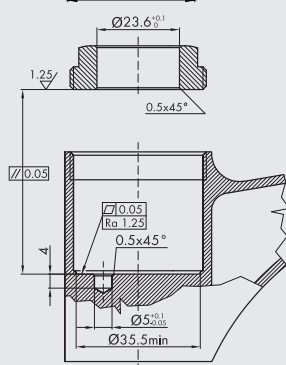
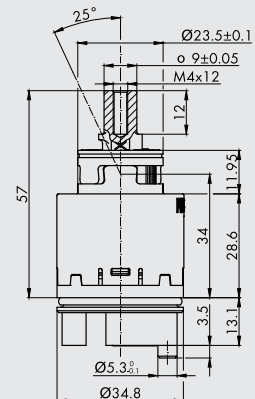
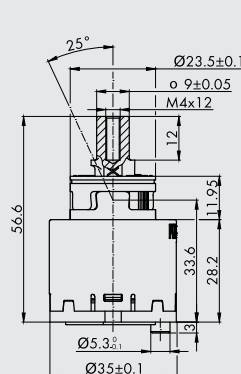
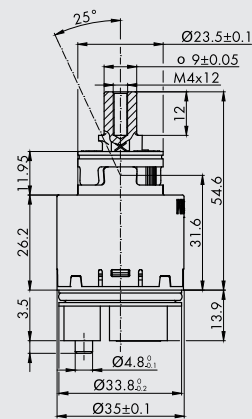
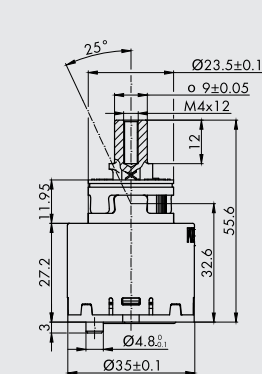
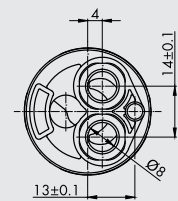
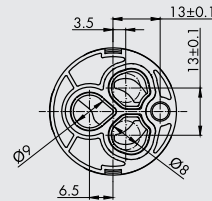
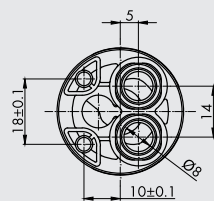
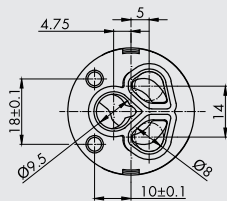
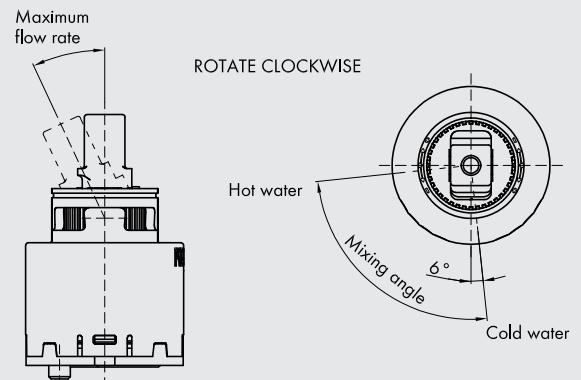
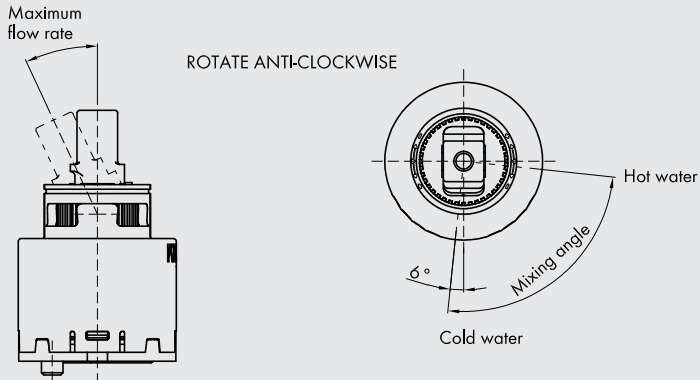
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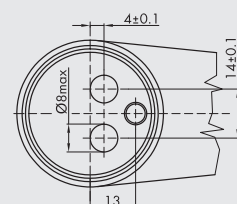
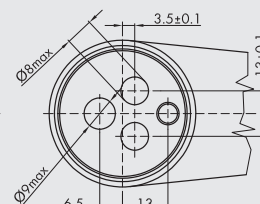
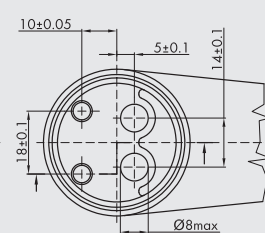
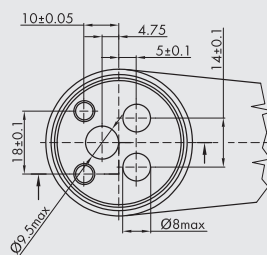
THE MOVEMENT RANGE OF THE LEVER

NKB-35



CARTRIDGES

BODIES



NK-35 A

NK-35 B

NK-35 C

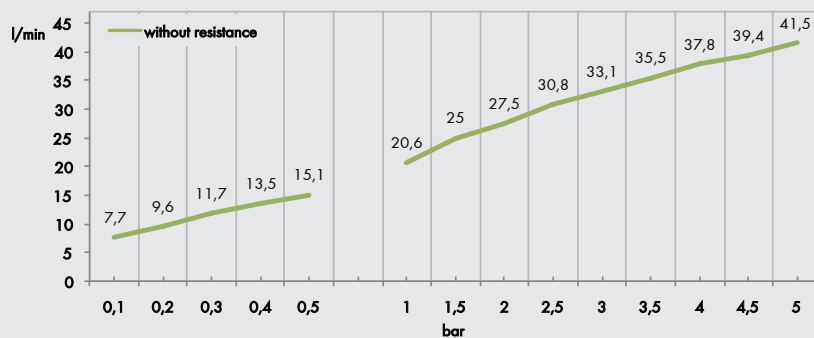
NK-35 D



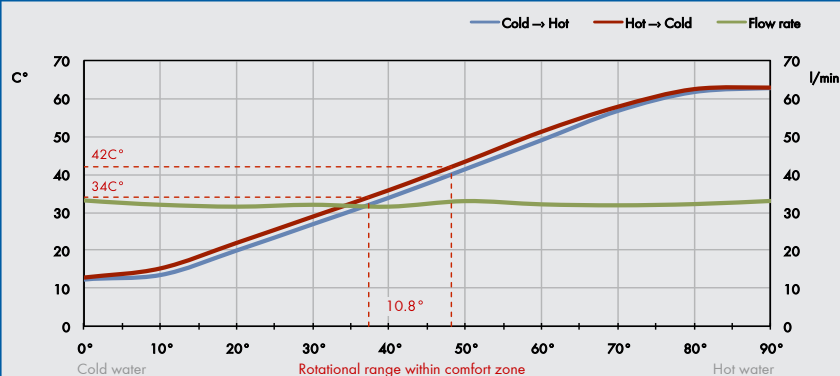
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FLOW RATE CURVE



FLOW RATE & HYSTERESIS CURVES



General requirements for nut and faucet:

1. Made of solid metal material instead of plastic
2. Usage of any lubricant on threads is not allowed
3. No sharp or burry sections at sealing surfaces
4. Recommended tightening torque is relevant to brass-brass connection with 1.5 mm thread pitch.

