

K-25 OPC

CERAMIC MIXING CARTRIDGE
CONVENTIONAL SINGLE-LEVER TYPE
25 MM SIZE



MADE in the EUROPEAN UNION

- Rotational action provides temperature control.
- The mixed water runs out from the bottom of the cartridge only. This construction allows the faucet manufacturers to use built-in resistance, directly after the output of the cartridge. The water can flow around the housing of the cartridge as well.
- Opening action provides flow rate control.

TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

Material:	Al_2O_3
Surface roughness Ra:	0.3 μm
Contact surface area:	50-80%

TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

Opening angle:	25°
Mixing angle:	100°
Max. water pressure:	35 bar / 500 psi
Max. temperature:	90°C / 194°F
Clamping zone:	24.5 ^{+0.1} _{-0.05} mm
Pressure test:	
pneumatic	6 bar / 87 psi
hydraulic	35 bar / 500 psi
Flow rate:	(3 bar / 45 psi, test faucet, EN 817): 13.3 l/min / 3.5 gpm without resistance 11.9 l/min / 3.1 gpm without resistance „C“
Endurance test:	EN 817 70 000 cycles ASME A112.18.1 500 000 cycles

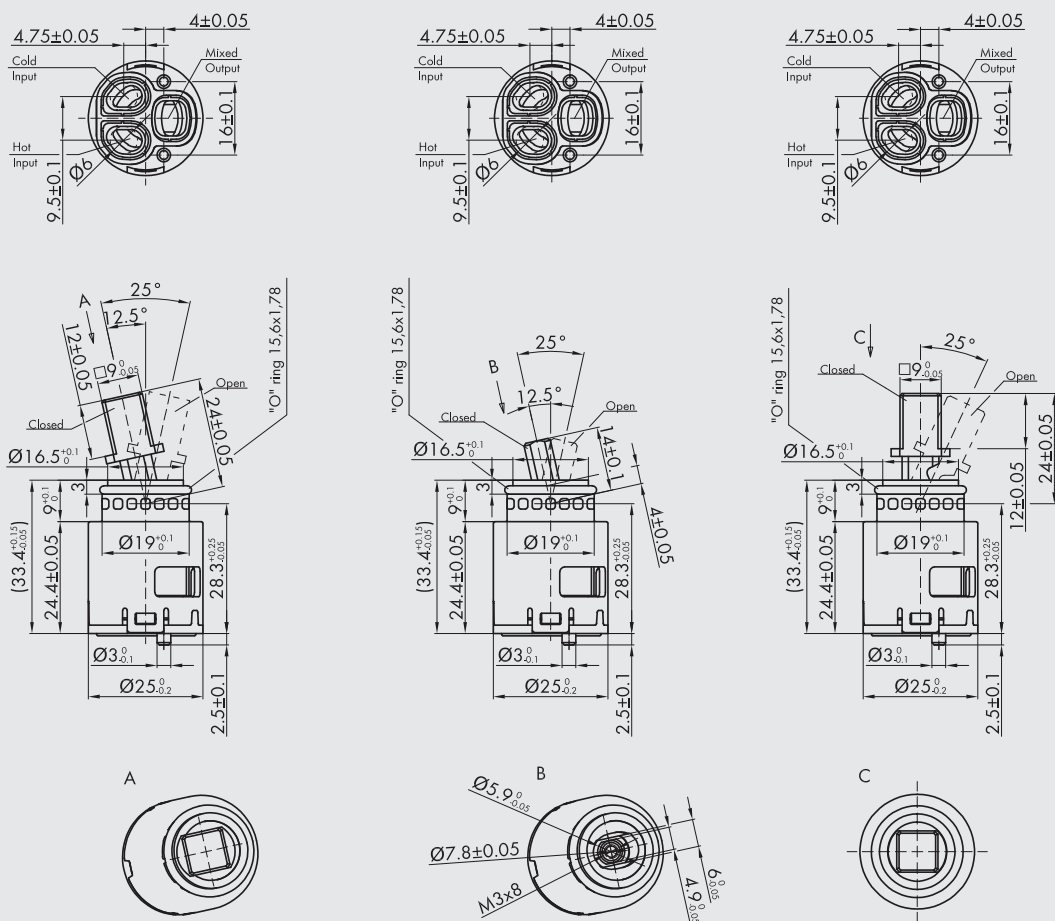
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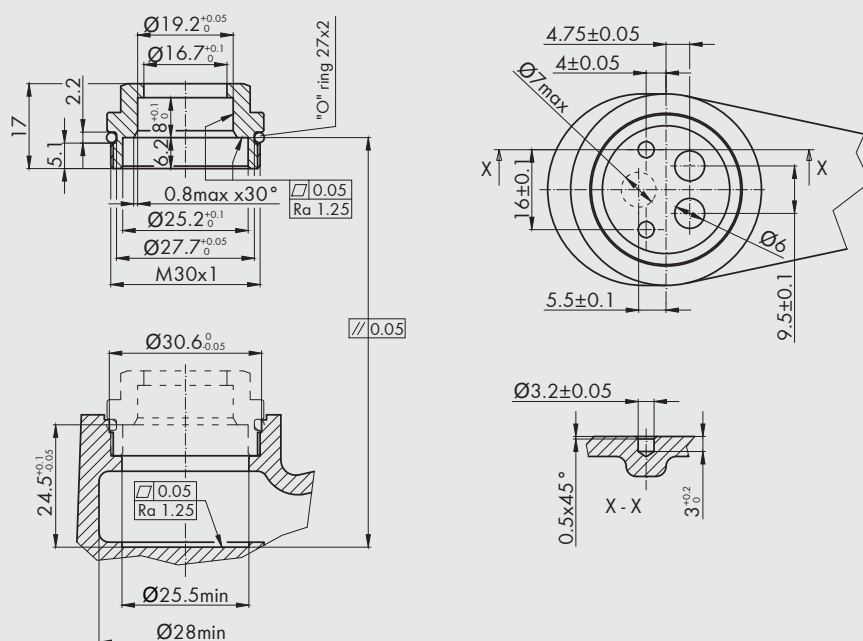
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CARTRIDGES



BODY



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K - 25 OPC M

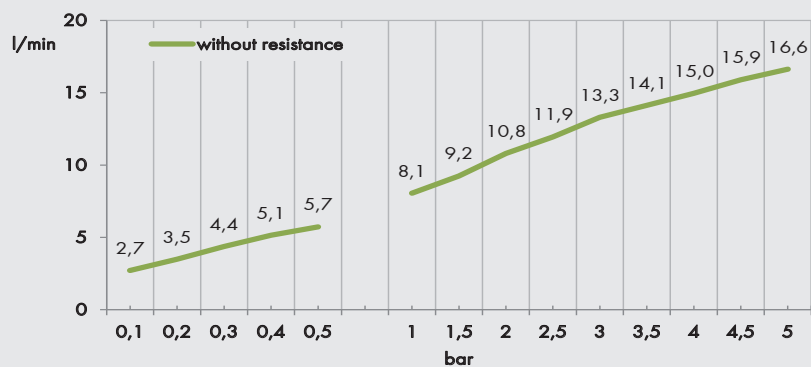
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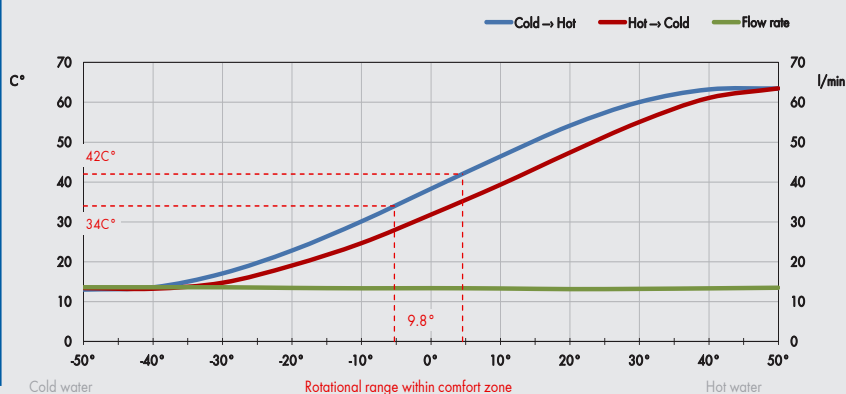
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FLOW RATE CURVE



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.

