TECHNICAL CHARACTERISTICS OF THE CERAMIC DISCS:

Material: \( \text{Al}_2\text{O}_3 \)
Surface roughness Ra: 0.2 µm
Contact surface area: 50-80%

TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

Movement range: 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
Constant flow rate in the -45° – +45° range
Flow rate:
(3 bar / 45 psi, test faucet, EN 817)
31 l/min / 8.2 gpm without resistance
21 l/min / 5.5 gpm with resistance „C”
Endurance test:
EN 817 70 000 cycles
ASME A112.18.1 500 000 cycles

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 and 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).

Ideal for use in shower panels (as a diverter cartridge) and in electronic faucets (as a mixing cartridge).