Product Information

Manually-operated Cartridge Valve, DN 9
Bistable

A. u. K. Müller

Solenoid valves
Control valves
Special valves and systems

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Series 50.009.801



Characteristics

- Mechanical valve actuation at your fingertip
- Simple manual operation
- Compact design
- Pretested functional unit
- Hygiene benefit by 100% final testing with air
- Particle protection by stainless steel filter in the inlet
- Long term performance capability
- Easy to assemble and service
- Cylindrical design
- Any fitting position
- High operating safety through the use of high quality material

Description

2/2-way, bistable cartridge valve with a nominal orifice DN 9 and a mechanical valve actuation.

By manual operation, at a push of a button so to speak, the valve opens and closes. The manual actuation enables innovative user concepts for sanitary applications without requiring an external power supply. It is particularly suitable for the control of potable water as hand-operated shut-off valve in showers.

The design outline has been reduced so far that integration in appropriate components, while using a minimum amount of space is given.

A further advantage is the simple “screw in” design, supporting easy assembly, service and test by the customer.

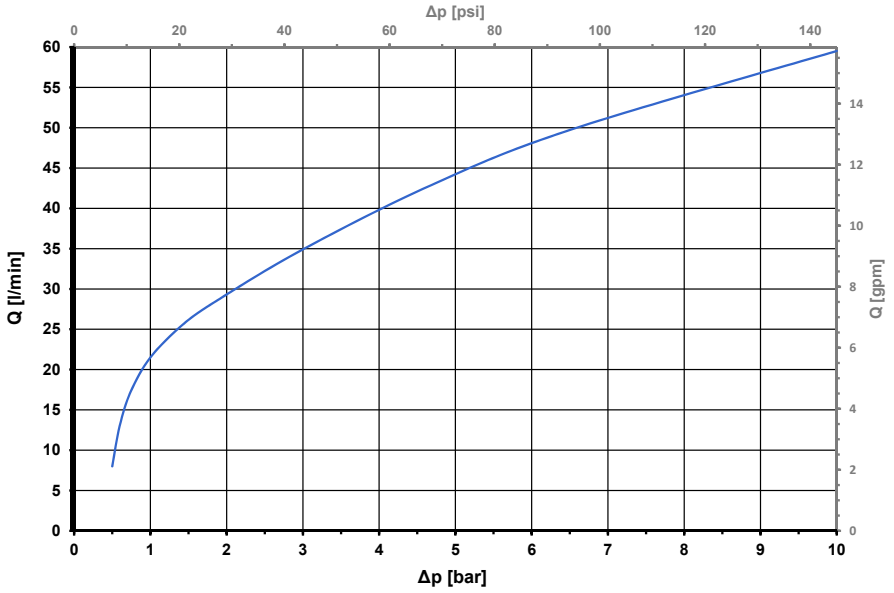
Applications

- Sanitary fittings, e.g. for showers
- Irrigation systems
- Industrial appliances

Possible certificates

- KTW/W270
- NSF 61
- WRAS
- ACS

Typical Performance Curve



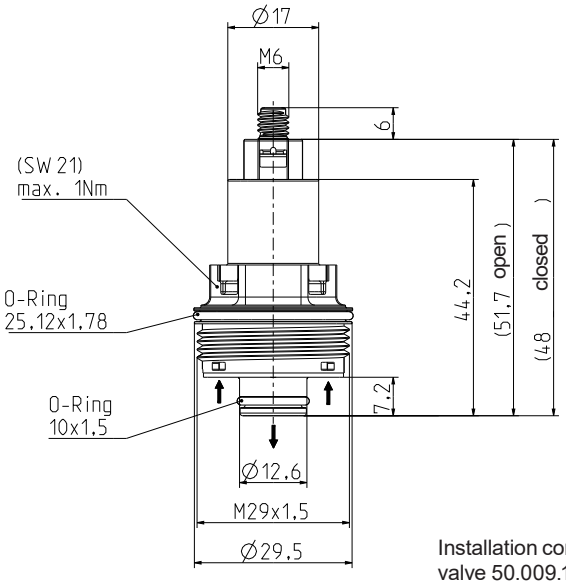
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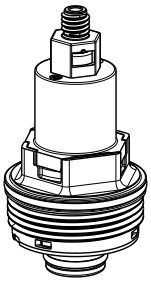
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M29 x 1,5 thread





Installation contour is compatible with cartridge valve 50.009.101

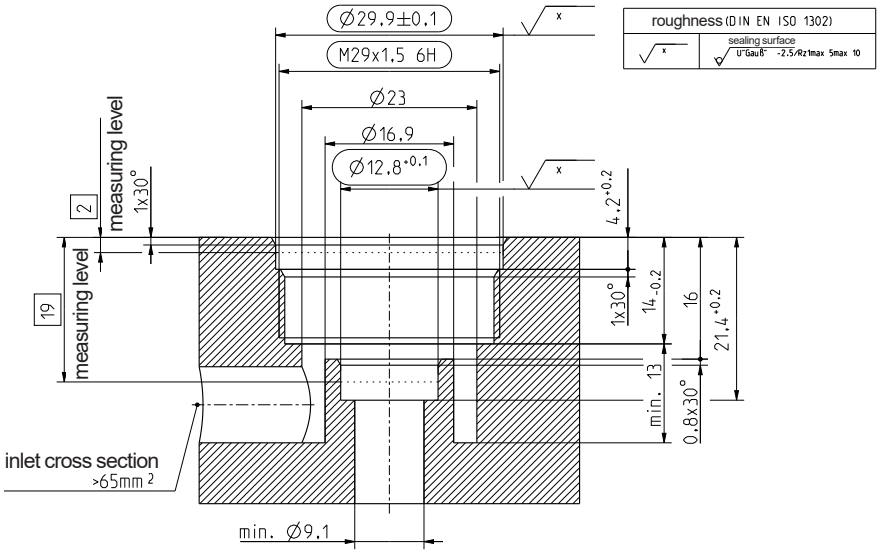
Technical Data

Type	cartridge valve with mechanical activation	
Construction	2/2-way, screw-in valve	
Function	manually operated, bistable	
Connection	thread M29 x 1,5	
Cap Connection	thread M6, others on request	
Fitting Position	any	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	75	°C max.
T-Ambient	5 - 75	°C max.
DN	9	mm
p-Operating	0,5 - 10,0	bar
Kv-flow rate	21,5	l/min
Pressure Surge	according to EN 60730	
Burst Pressure	according to EN 60730	

Good resistance to thermal (e.g., T-medium 80 ° C / 10 minutes) and chemical disinfection

Hygiene advantage by dry testing with air prior to delivery

Screw-in Contour



Materials

Valve body	PA 6/6
Valve seat	PPSU
Plunger	stainless steel
Membrane and sealings	EPDM
Filter	stainless steel (inlet)

⚠ O-Rings are to be greased before screw-in

⚠ Max. torque for screw-in: 1 Nm

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