

A.u.K. Müller

Solenoid valves Control valves Special valves and systems

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Characteristics

- servo-controlled
- pre tested functional unit
- long term performance capability
- internal triple pollution protection
- compact design
- optimized Cv-value for DN 5
- optimized water hammer characteristic by low noise emission according to EN 60730
- easy to assemble and service
- standard connection
- cylindrical design
- low power consumption
- any fitting position
- suitable for spray and jet water
 - high operating safety through the use of high quality and 100% final testing of the products

Series 050-B05-060



Description

2/2-way solenoid cartridge servo controlled valve of DN 5 in bi stable version, to be used particularly in electronically controlled sanitary fittings.

The power consumption is minimised by the use of impulse control (pwm) to increase long term performance, durability and battery life.

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

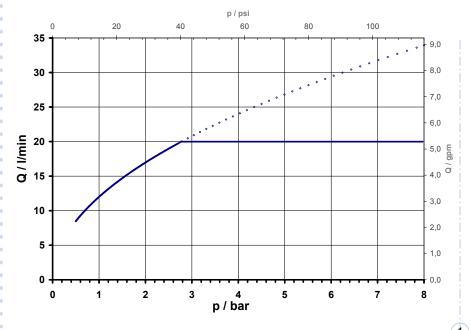
Positive properties are extended due to the simple "screw in" version, which supports easy assembly, service and tests by the customer. The design of a separate valve seat by the customer is not to apply, as otherwise is needed, if a pilot valve will solely be used.

The rate of flow of the cartridge valve has been optimized in such a way, that the nominal diameter of DN 5 fulfils the standard requirements for sanitary tap ware.

Applications

- sanitary fittings
- irrigation systems
- industrial appliances
- pilot system for valves with a larger nominal diameter

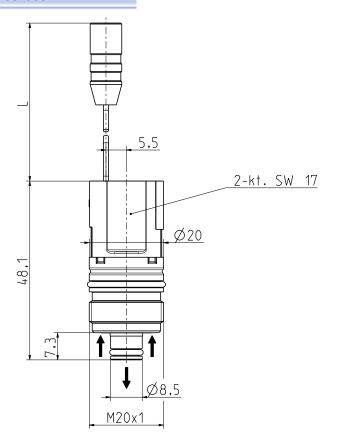
typical performance curve



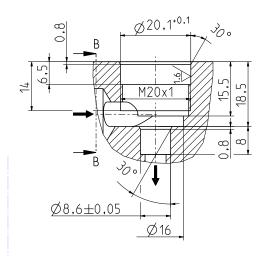


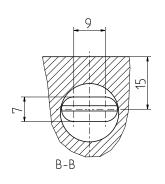
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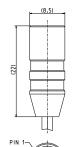
Series 050-B05-060



screw in contour







Male connector

Polarity of connector: strand color RED Pin 1 strand color BLACK or BLUE

PLUS(+) pulse to open MINUS(-)

Technical Data cartridge valve Construction 2/2-way screw-in, servo controlled bi stable, pulse controlled Function Connection thread M20 x 1 Fitting position any cold and heated potable water and physically and chemically similar media Media 5 - 70 °C. T-Medium °C T-Ambient 5 - 50 DN 5 mm p-Operating 0,5 - 8,0 bar 12 Cv-value I/min Q-max I/min according to EN 60730 pressure surge according to EN 60730 **Burst pressure** Nominal voltage 6 V DC other voltage on request Operating 4,0 - 6,9 V DC open/close voltage at T-Ambient 25 °C Pulse shape/-time (<1,0 W Nominal power 1,4 W bei U = 5 V) bei Un Protection Type IP 65 according to EN 60529 Insulation class A according to

| Materials | | |
|-----------------------|----------------------------|--|
| | | |
| Valve body | PEI | |
| Valve body cleading | stainless steel | |
| Plunger guide | LCP | |
| Plunger | stainless steel | |
| Membrane and sealings | EPDM | |
| Filter | stainless steel (in inlet) | |

EN 60730

| Options | | |
|--------------------------|-------------------------|--|
| Connection type | standard cable length L | |
| with leads and connector | 80 mm | |