Solenoid valve / Float valve NC, DN 10 two chambers in line



A.u.K. Müller

Solenoid valves Control valves Special valves and systems

A.u.K. Müller GmbH & Co. KG Dresdener Str. 162 D-40595 Düsseldorf/Germany

Tel.: +49 211 7391-0 Fax: +49 211 7391-281

e-mail: info@akmueller.de Internet: www.akmueller.de

Characteristics

- proportional behaviour(flow depends on position of float lever)
- servo-controlled
- normally closed (NC)
- long term performance capability
- easy to assemble and service
- solenoid replaceable while medium circuit remains untouched, solenoid rotatable 4 x 90°
- change of filter without disassembly of the valve possible
- high operating safety through the use of high quality materials and 100% final testing of the products

Series 21.010.225



Description

Float valves are commonly used in industrial applications to maintain a constant level in a tank. For cleaning purposes the tank is often drained and the water supply has to be isolated to prevent the float valve automatically refilling the tank. By incorporating a normally closed servo-controlled solenoid valve upstream of the float valve, but in the same body, this acts as the shut off to the supply line. This combined valve allows other equipment connected to the same supply to remain in operation and also avoids the unintentional refill of the tank in the event of power failure.

These valves have a two chamber, straight through body which can be manufactured with various connections.

Coil systems for all common voltage and frequency ranges are available.

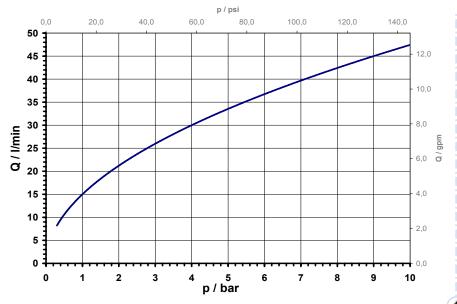
The valve is rated to insulation class F to ensure electrical operating safety, although an additional integrated protective circuit can also be included.

By using high quailty insulation materials, a continous 100% duty cycle is possible. Corrosion of the inner parts of the valve which are exposed to the medium is prevented by using high specification stainless steel.

Applications

- irrigation systems
- industrial appliances
- air conditioning
- cleaning systems
- dish washers
- washing machines
- water treatment

typical performance curve

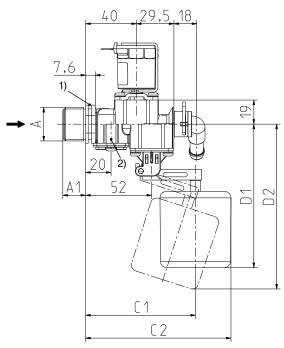


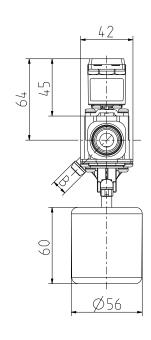
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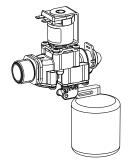
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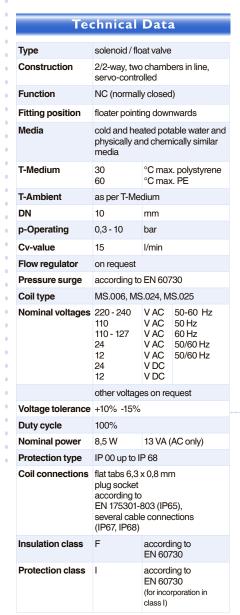
- 1) Fixing groove
- 2) Filter compartment

Materials				
Valve body	PA 66, glass fibre reinforced			
Plunger guide	stainless steel			
Plunger	stainless steel			
Membrane and sealings	EPDM			
Float cylinder	PE-foam polystyrene on request			
Float lever	POM			
Coil coating	PBT, PET or epoxy resin			
Filter	POM (in inlet) stainless steel on request			



Options

Lever dimensions	a)	b)
D1	113	180
D2	131	203
C1	87	116
C2	115	144







MS.025 (IP67, IP68)



MS.024 (IP65)

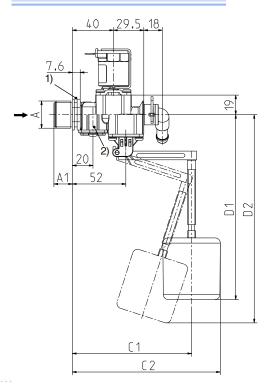


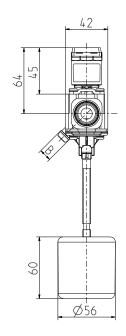


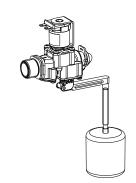
elbow

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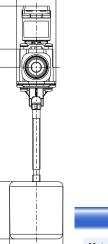


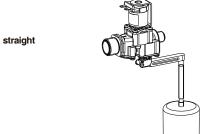


- Fixing groove
 Filter compartment
 - 29,5,B1 0 1)









Options							
Material	Inlet		Outlet				
	ØA	A1	ØВ	B1			
			elbow				
PA 66	G 3/4	18,0	12,0 nozzle	19,0			
PA 66	G 3/8	14,0	12,0 nozzle	19,0			
			straight				
PA 66	G 3/8	14,0	G 3/8	14,0			
PA 66	G 3/8	14,0	12,0 nozzle	17,0			
PA 66	G 3/4	18,0	12,0 nozzle	17,0			
PA 66	G 3/4	18,0	G 3/8	14,0			

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