Product Information

Float valve, DN 10

Series 21.010.115



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- Proportional behaviour (flow depends on position of float lever)
- Servo-controlled
- Operation largely independent from inlet pressure
- Easy to assemble and service
- Compact design
- Suitable for heated water up to 60 °C, with optional stainless steel floater up to 90 °C
- Floater adjustable on thread rod
- Thread rod can be shortened at predetermined breaking points
- Different lever lenghts available
- High operating safety through the use of high quality materials and 100% final testing of the products

Description

Servo-controlled valve nominal diameter DN 10, which closes by means of buoyancy of a floater to control level in tanks

If liquid is drained from the tank, the float valve refills automatically and closes when the maximum level has been reached.
While water level and floater rises, the flow into the tank is throttled proportional to the levers position.
An overflow of small tanks will be prevented during the initial filling.

Valves of this design are single chamber valves with the inlet ninety degrees to the outlet.
The valve, having a glass fibre reinforced polyamid body and can be manufactured with various connections and is suitable up to 60 °C by using a PE-floater. For heated water up to max. 90 °C a stainless steel float ball is available on request.

Applications

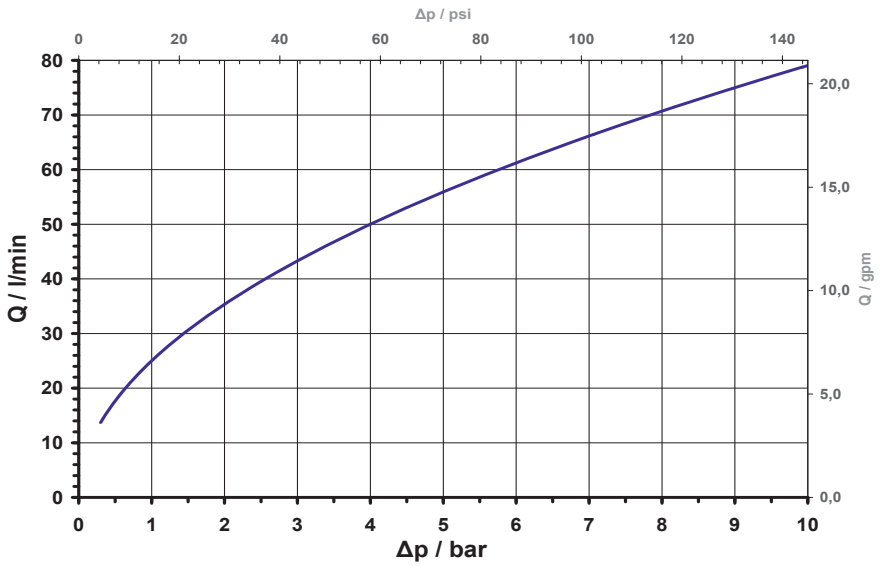
- Tank filling
- High pressure cleaning devices (system separation according to EN 1717)
- Washing systems
- Irrigation systems
- Ice machines
- Industrial appliances

Possible approvals

Approved versions available on request:

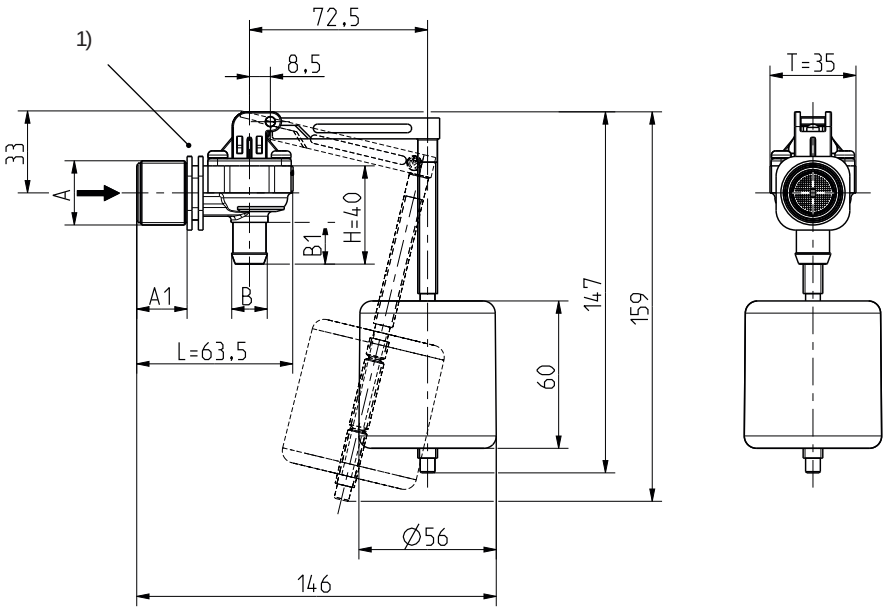
- KTW/W270
- WRAS
- Others on request

typical performance curve



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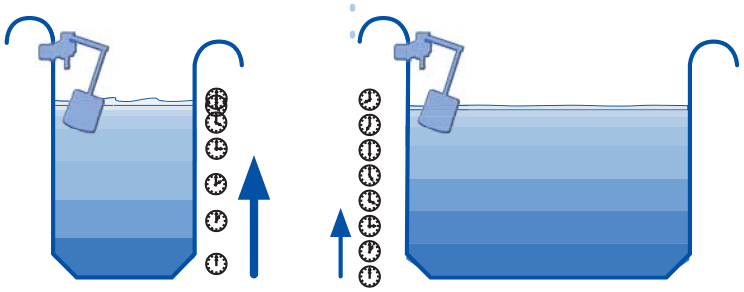
1) Fixing groove

Technical Data

Type	float valve	
Construction	2/2-way single chamber valve inlet ninety degree to the outlet, servo-controlled	
Function	closed by buoyancy of float	
Fitting position	float pointing downwards	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	30 60 90	°C max. polystyrene °C max. PE °C max. stainless steel
T-Ambient		as per T-Medium
DN	10	mm
p-Operating	0,3 - 10	bar
Cv-value	25	l/min
Flow regulator	on request	
Float cylinder	adjustable position	

Materials

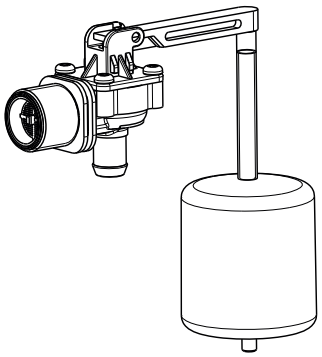
Valve body	PA 66 glass fibre reinforced, PA 6/6 glass fibre reinforced, PPE on request, PEI on request
Metal parts in medium	stainless steel
Membrane and sealings	EPDM
Float cylinder	PE-foam polystyrene (on request) stainless steel 1.4301 (on request)
Float lever	POM
Filter	POM (in inlet) stainless steel (on request)



rise speed of water level

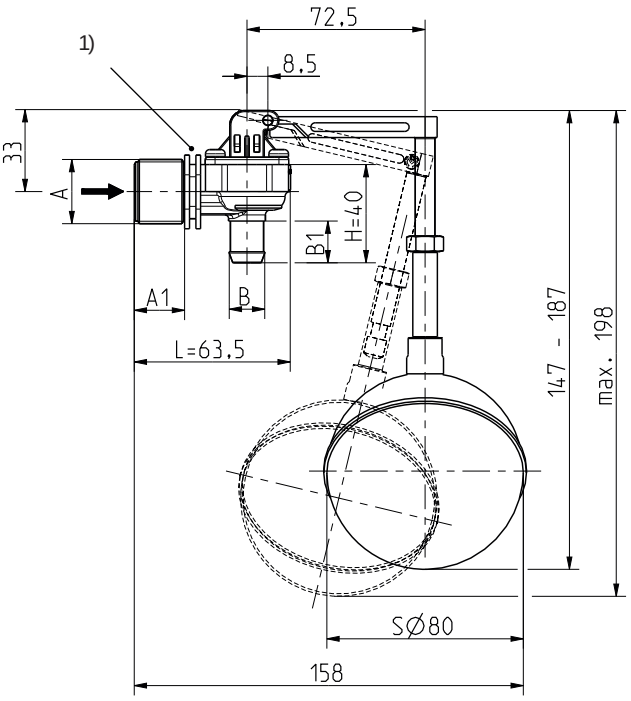
Options

Material	Inlet		Outlet		
	Ø A	A1	Ø B	B1	
PA 66	G 3/4	20,0	14,5 nozzle	17,0	
PA 66	G 3/4	20,0	11,5 nozzle	16,0	
PA 6/6	G 3/4	20,0	14,5 nozzle	17,0	
PPE	G 3/4	20,0	14,5 nozzle	17,0	on request
PPE	.75-11,5 NH	20,0	10,0 nozzle	16,0	on request
PEI	G 3/4	20,0	14,5 nozzle	17,0	on request



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1) Fixing groove

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PA 6/6	G 3/4	20,0	14,5 nozzle	17,0	on request
PPE	G 3/4	20,0	14,5 nozzle	17,0	on request
PPE	.75-11,5 NH	20,0	10,0 nozzle	16,0	on request
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