Series 52.007.2xx





Description

The Modular Urinal Valve System includes a shut-off valve, a strainer and solenoid operated cartridge valve with a nominal orifice DN 7.

The shut-off valve allows the flow to be manually stopped, using a standard 8 mm Allen key.

Suspended particles are filtered by the strainer.

The cartridge valve is inserted in the valve body and secured by a gland nut, which makes removable for maintenance simple. All 50.007.101 series bi-stable and mono-stable cartridge valves can be used.

Strainer and cartridge valve can be assembled in 15 degree increments to each other.

For flushing the pipework before initial operation or after maintenance, the cartridge valve can be replaced by a plug. The filter insert should also be removed at initial flushing.



Applications

Flush-mounted urinal control

A.u.K. Müller

Solenoid valves Control valves Special valves and systems

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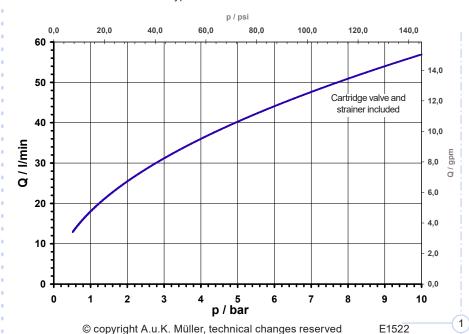
e-mail: info@akmueller.de Internet: www.akmueller.de

Characteristics

- Compact, one-piece design
- Shut-off valve for manual closing
- Integrated dirt strainer
- Cartridge valve and strainer can be assembled without tools
- Optional plug instead of cartridge valve for system flushing
- Angle between cartridge valve and strainer housings can be varied in 15 degree increments

Approvals

KTW-BWGL System 1+



Typical Performance Curve

B2

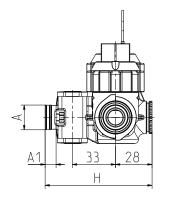
76.5

Α1

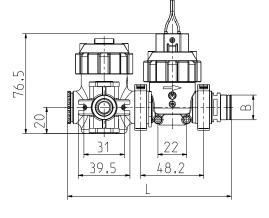
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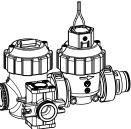
Series 52.007.2xx



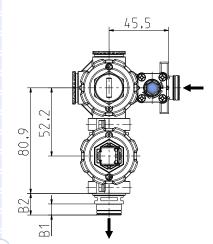
45,5



52.007.211 inlet left



52.007.211 inlet right

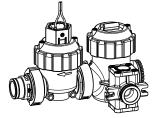


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Н



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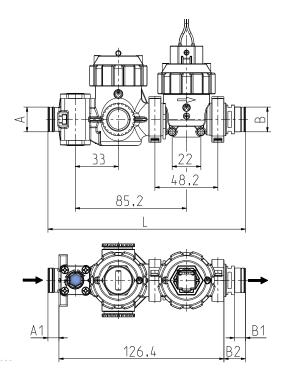
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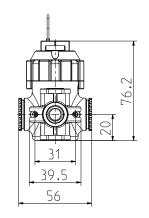
48,2

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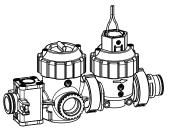
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52.007.226 Straight through housing



Options

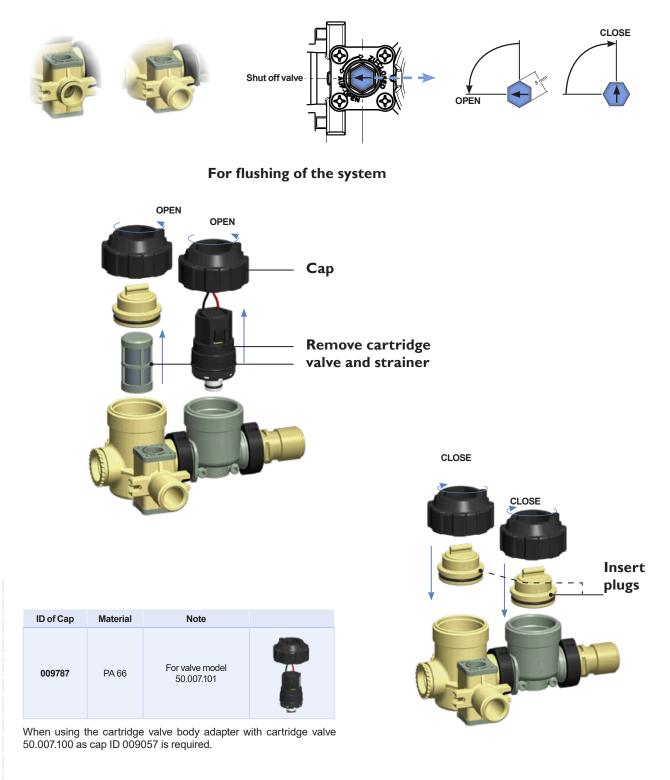
	Material	Inlet		Outlet				
		ØA	A1	ØВ	B1	B2	L	н
52.007.226	PA 6/6	Plug connection 19	8,5	Plug connection 19	8,5	16,6	151,5	-
52.007.226	PA 6/6	G 1/2	24,5	G 1/2	22,5	30,6	181,5	-
52.007.211	PA 6/6	Plug connection 19	8,5	Plug connection 19	8,5	16,6	125,5	82,0
52.007.211	PA 6/6	G 1/2	24,5	G 1/2	22,5	30,6	139,5	98,0

Combinations of the connectors above or customer specific variants are available on request.



Series 52.007.2xx

Shut-off valve - Please see markings on the retention gland for operation

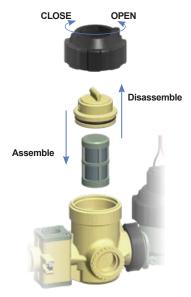


After flushing assemble parts in reverse order.

Please refer to the Note on page 8

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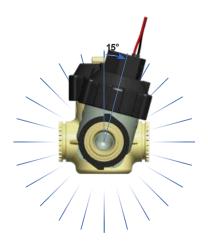
Available filter inserts

ID	Material	Mesh size/ wire diameter	
008930		0,50 / 0,20 mm	
008929	PA 6/6	0,25 / 0,12 mm	
008928		0,11 / 0,06 mm	

Spare parts	ID	
Swivel nut for valve 50.007.101	009787	
Plug with o-ring	010941	

Strainer and cartridge can be assembled in 15 degree increments to each other.





Example of a pre-assembly with filter and valve housing twisted by 30 degree.





Series 52.007.2xx

Technical Data bistable monostable 2/2-way cartridge valve Туре Construction Screw-in, servo controlled Function Normally closed (NC) Bistable, pulse controlled Connection Thread M28 x 1 or M29 x 1,5 Fitting position Any Media Cold potable water and physically and chemically similar media 5-30°C T-Medium T-Ambient 5-60 °C DN 7 mm p-Operating 0,5 - 10,0 bar Flow factor Kv @ 18 l/min 1 bar Pressure surge According to EN 60730 Nominal voltages 12 V DC 3 V DC 24 V DC 6 V DC 9 V DC Other voltages on request -15 % / +10 % Voltage tolerance Operating voltages 3 V DC = 2,4 - 3,3 V DC 6 V DC = 4,0 - 6,9 V DC open/close 9 V DC = 6,0 - 10,4 V DC at T-Ambient: 25 °C Pulse shape/-time Voltage reduction Optional U +11ON UN OFF -U t_{start}: 100 ms tp: T ≥ 1:3 [>100Hz] PWM (3 V 15 ms on / 15 ms off) (9 V 15 ms on / 15 ms off) t_{start}: 100 ms tp: T ≥ 1:4 [>1kHz] PWM 100 % Duty cycle 1,7 W - 12 VDC Power consumption 1,3 W - 3 V DC 1,4 W - 6 V DC 1,8 W - 24 VDC 1,5 W - 9 V DC Protection type IP 67 Insulation class В according to EN 60730

Materials				
Body	PA 6/6 glass fibre reinforced			
Plunger guide	LCP			
Plunger and spring	Stainless steel			
Membrane and sealings	EPDM			
Filter (in inlet)	Stainless steel			



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Connection to a flush mounting box

At the inlet two pockets are used to locate M4 nuts. The nuts are pushed into the pockets and are prevented from rotating.

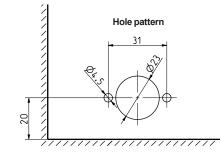


When utilising a plug-in connection, a stub, for example, is screwed to the wall with M4 screws.

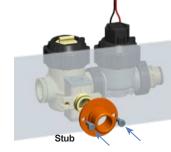
Mounting accessories such as stubs and screws on request.

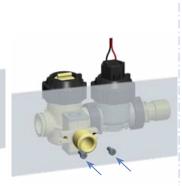


The attachment to the wall of the flush mounting box requires customised openings for the hydraulic connection and the fixing screws. Recommended wall thickness is 2 to 3 mm.



Wall





Screws M4 x 10



Series 52.007.2xx

Assembly instructions

Please proceed with the installation as follows:

1

Place the cap before screwing on the valve first.

2

The cutout in the upper cap opening must be aligned with the cable exit of the valve and must lie flush.

3

Screw cap and valve simultaneously in the housing to prevent damages caused by misalignment of the valve.









