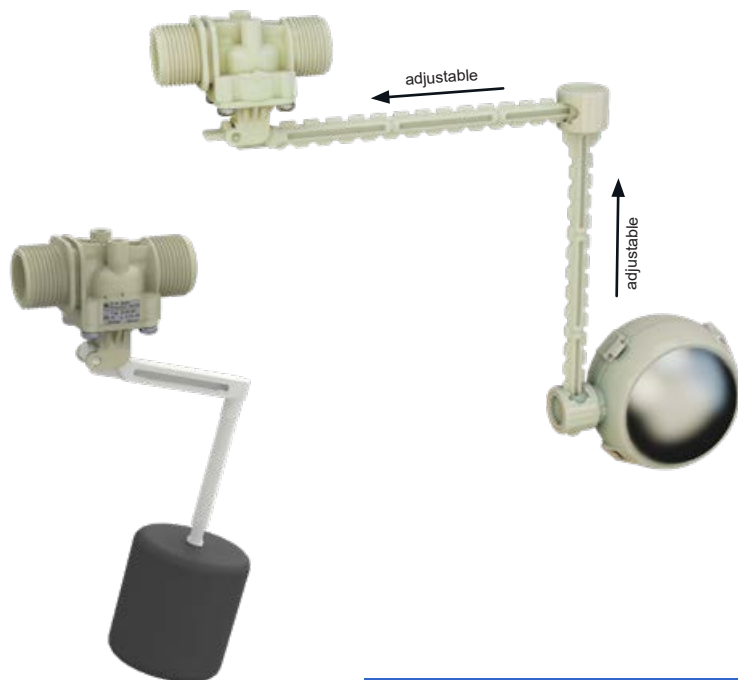


## Float valve, DN 10

### Series 21.010.126



### Description

Servo-controlled valve with nominal diameter DN 10, which closes by means of buoyancy of a float 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 float rise, the flow into the tank is throttled proportionally to the lever's position.

An overflow of small tanks will be prevented during the initial filling.

Valves of this design are single chamber straight valves.

The valve, having a glass fibre reinforced polyamid housing, can be manufactured with various connections and is suitable up to 60 °C by using a PE floater or PP float ball. When using the adjustable, lockable float lever in combination with the float ball made of stainless steel, the use in hot water up to 90° C is also possible.

### Applications

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

## 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(0)211-7391-0  
Fax: +49(0)211-7391-281

e-mail: [info@akmueller.de](mailto:info@akmueller.de)  
Internet: [www.akmueller.de](http://www.akmueller.de)

### Characteristics

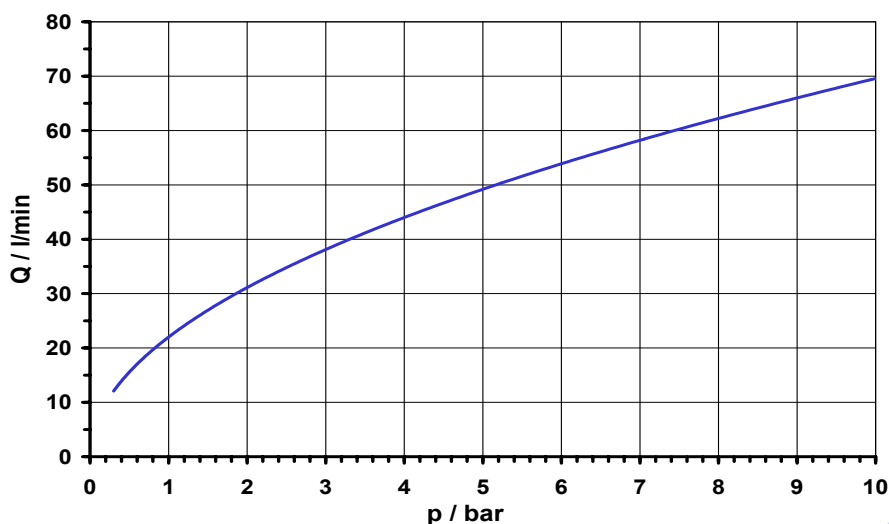
- Proportional behaviour  
(flow depends on position of float lever)
- Servo-controlled
- Operation largely independent from inlet pressure
- Easy to assemble and service
- Compact design
- Suitable for heated water up to 90 °C
- Floater adjustable on thread rod
- Thread rod can be shortened at predetermined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

### Approvals

Approved versions available on request:

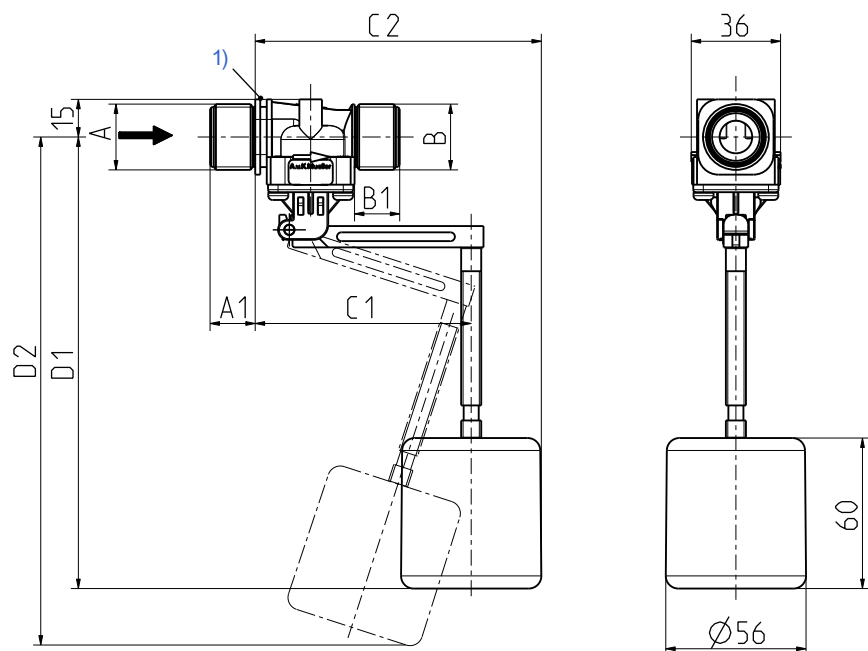
- KTW-BWGL System 1+
- Others on request

Typical Performance Curve





### Series 21.010.126



1) Fixing groove

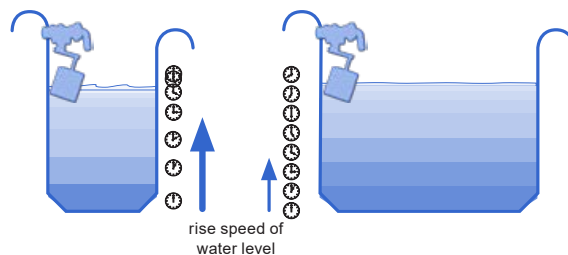
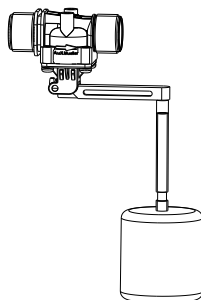
### Technical Data

Type	float valve	
Construction	2/2-way single chamber straight valve, servo-controlled	
Function	closed by buoyancy of float	
Fitting position	floater pointing downwards	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	5 - 30 °C polystyrene 5 - 60 °C PE	
T-Ambient	as per T-Medium	
DN	10 mm	
p-Operating	0,3 - 10,0 bar	
Flow factor Kv	22 l/min	
Flow regulator	on request	
Float cylinder	position adjustable	

### Materials

Valve body	PA 66 glass fibre reinforced
Metal parts in medium	stainless steel
Membrane	EPDM, VMQ (on request)
Sealings	EPDM
Float cylinder	PE foam, PS (on request)
Float lever	POM
Filter	POM (at inlet), stainless steel (on request)

1) Fixing groove



### Options

Lever dimensions	a)	b)
D1	113	180
D2	131	203
C1	57	86
C2	85	114

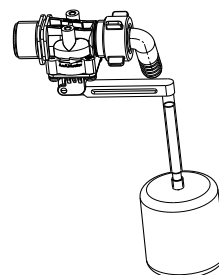
Optional nozzles for G 3/4 ports in outlet



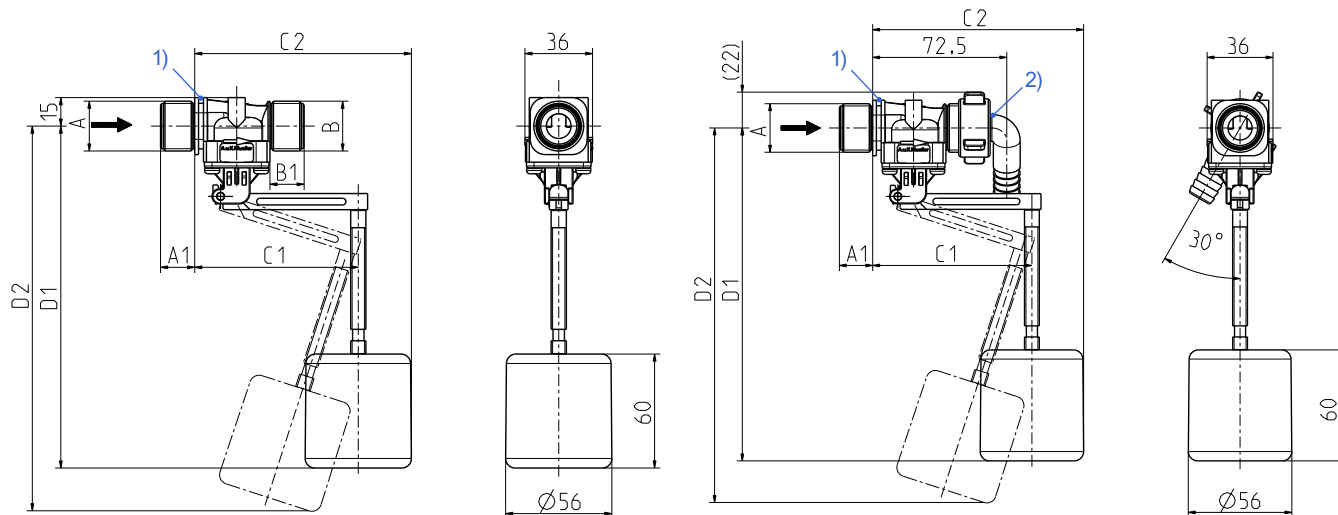
Ø 14,5 mm



Ø 14,5 mm  
or  
11,5 mm



Series 21.010.126



1) Fixing groove

2) Optional elbow connector for G 3/4 outlet

Options

Material	Inlet		Outlet	
	Ø A	A1	Ø B	B1
PA 66	G 3/4	18,0	G 3/4	18,0
PA 66	G 1/2	15,0	G 1/2	15,0
PA 66	G 3/8	13,0	G 3/8	13,0
PA 66	G 3/4	18,0	G 1/2	15,0
PA 66	G 3/4	18,0	G 3/8	13,0
PA 66	G 1/2	15,0	G 3/4	18,0
PA 66	G 1/2	15,0	G 3/8	13,0
PA 66	G 3/8	13,0	G 3/4	18,0
PA 66	G 3/8	13,0	G 1/2	15,0
PA 66	G 3/4 (no fixing clip possible)	10,0	G 3/4	10,0
PPE	G 1/4 x 10 female	13,0 nozzle	G 1/4 x 10 female	13,0 nozzle
PPE	G 3/8	13,0	G 3/8	13,0
PA 66	G 3/4	18,0	G 3/4	10,0
PA 66	G 3/8	13,0	12,0 nozzle	15,5
PPE	12,0 nozzle	17,0	12,0 nozzle	17,0
PA 66	G 3/4	14,5	G 3/4	14,5
PA 66	G 3/4	18,0	G 1/2	13,5
PA 66	G 3/4	18,0	G 3/4 clamping nut	16,0
PA 66	G 3/4 clamping nut	16,0	G 3/4	18,0
PA 66	G 3/8	13,0	G 3/4 clamping nut	16,0
PA 66	G 3/4	18,0	12,0 nozzle	15,5
PA 66	G 3/4	18,0	15,0 nozzle*	30,0
PA 66	15,0 nozzle*	30,0	G 3/4	18,0
PPE	G 1/2	15,0	G 1/2	15,0
PPE	G 3/4	18,0	G 3/4	18,0
PA66	G 3/8	13,0	14,5 nozzle	18,0

\* Only for John Guest cartridge Ø 15,0 mm

### Series 21.010.126

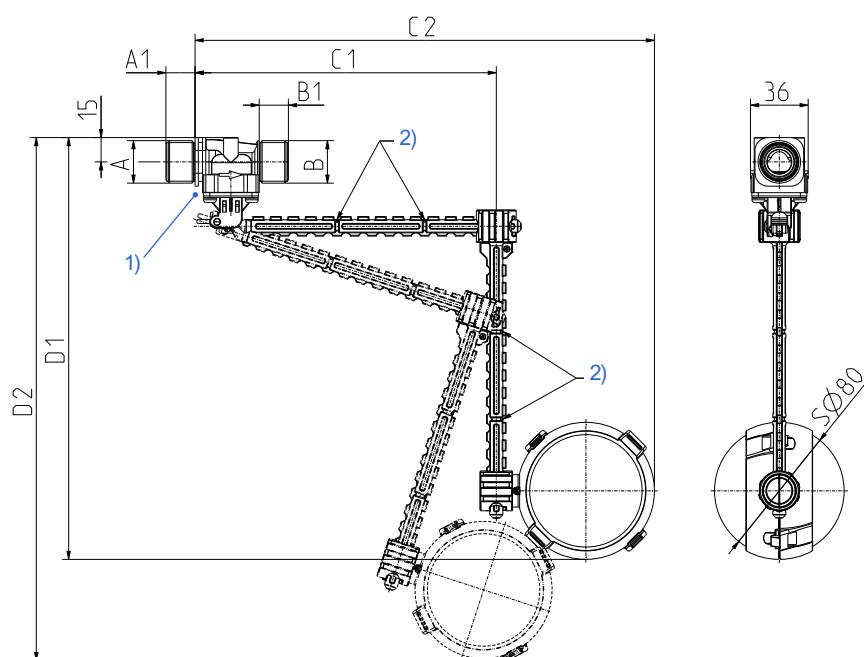
#### Adjustable Float Lever

Float lever and float ball adjustable within detent.

Float lever and float ball can be locked every 11 mm.

Float levers can be shortened at the predetermined breaking points (pos. 2).

Media temperature up to 90° C possible when using the stainless steel float ball.



1) Fixing groove

2) Predetermined breaking points lever

Note: The float ball must not be mounted so that it protrudes to the left beyond the fulcrum of the lever.

#### Materials

Valve body	PA 66 glass fibre reinforced
Angle nozzle	PA 66 glass fibre reinforced
Metal parts in medium	stainless steel
Membrane	EPDM VMQ (on request)
Sealings	EPDM
Float ball	stainless steel, PP or PS
Float lever	PP glass fibre reinforced
Filter (at inlet)	stainless steel

#### Options

ID	A	A1	B	B1	Float valve with	Max. Media Temperature
on request	G 3/4	18	G 3/4	18	Float ball PS	30° C
on request	G 3/4	18	G 3/4	18	Float ball PP	60° C
083226	G 3/4	18	G 3/4	18	Float ball stainless steel	90° C

Other combinations of connection types on request.

#### Technical Data

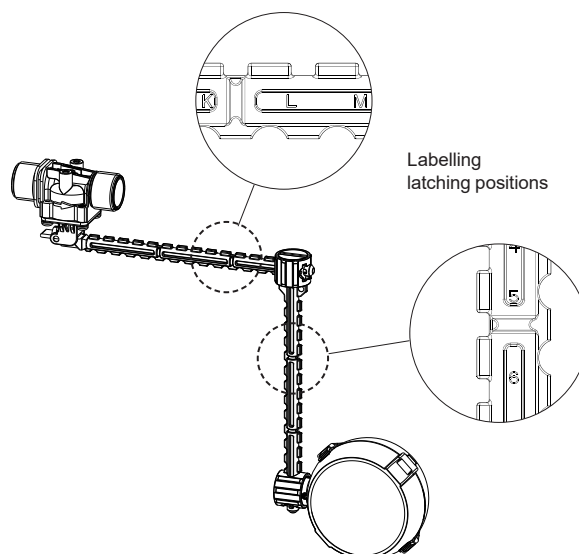
T-Medium (float balls)	5 - 30 °C (PS) 5 - 60 °C (PP) 5 - 90 °C (stainless steel)
T-Ambient	as per T-Medium
Float ball	Position adjustable

#### Lever Lengths

Lever lengths	min	max	Adjustment interval
D1	141	260	11 mm
D2	166	323	-
C1	46	186	11 mm
C2	143	283	11 mm

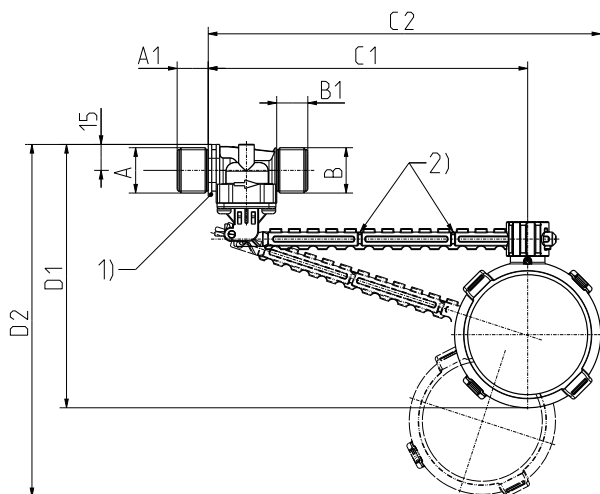
#### Attention

The water supply must not interfere with the movement of the float body, i.e. the incoming water jet and the resulting current must not hit the float body directly or in the immediate vicinity.



### Series 21.010.126

#### Float lever adjustable variant with one lever



- 1) Fixing groove  
2) Predetermined breaking points lever

Note: Fit the float ball so that it does not restrict the movement of the lever until the valve is closed.

Attention  
The water supply must not interfere with the movement of the float body, i.e. the incoming water jet and the resulting current must not hit the float body directly or in the immediate vicinity.

#### Lever Lengths

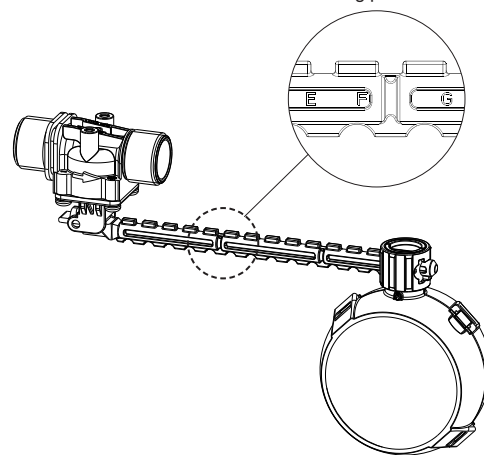
Lever lengths	min	max	Adjustment interval
D1	152	-	
D2	164	204	-
C1	55	185	11 mm
C2	97	227	11 mm

#### Options

ID	A	A1	B	B1	Float valve with	Max. Media Temperature
on request	G 3/4	18	G 3/4	18	Float ball PS	30° C
on request	G 3/4	18	G 3/4	18	Float ball PP	60° C
on request	G 3/4	18	G 3/4	18	Float ball stainless steel	90° C

Other combinations of connection types on request.

Labelling latching positions





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Tel.: +49(0)211-7391-0  
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e-mail: [info@akmueller.de](mailto:info@akmueller.de)  
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