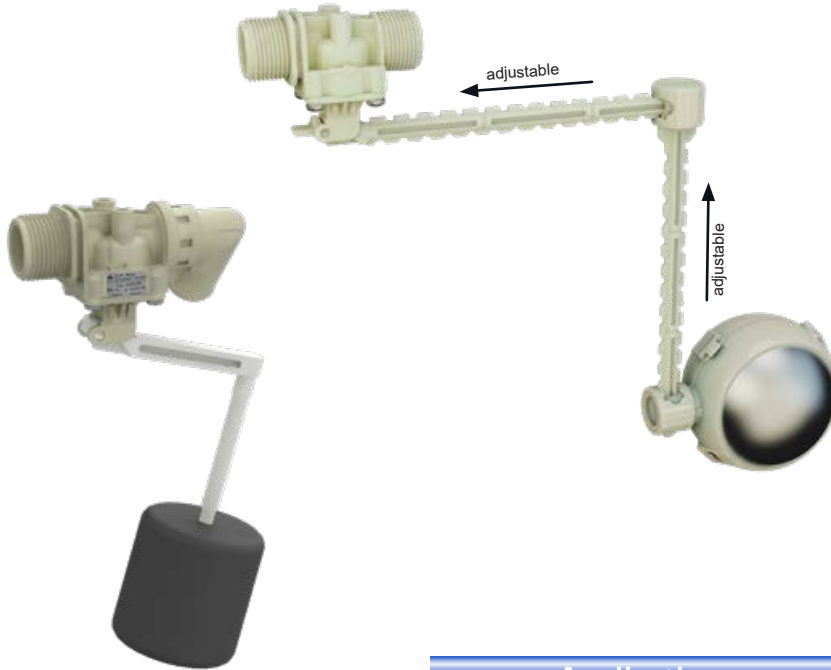




Series 21.013.126



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

Applications

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

Description

Servo-controlled valve nominal diameter DN 13, 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 straight valves.

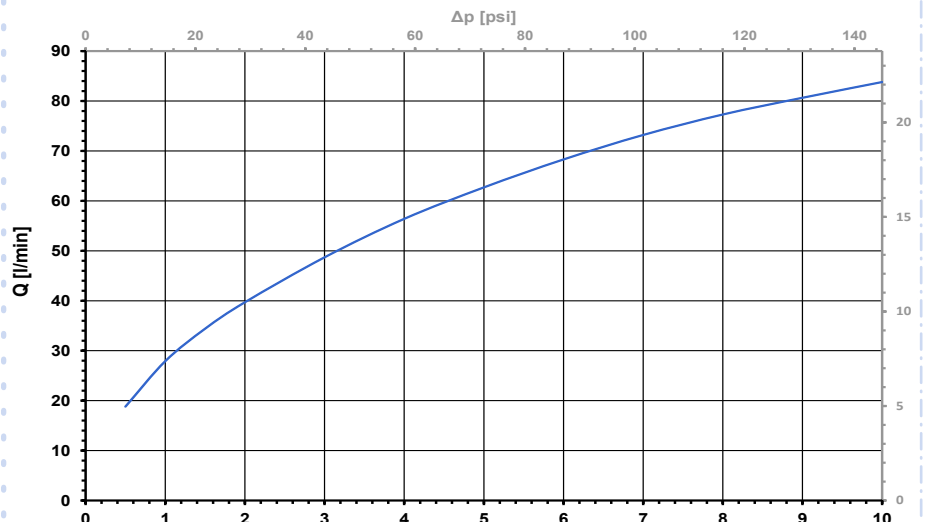
The valve, having a glass fibre reinforced polyamid housing and can be manufactured with various connections and is suitable up to 60 °C by using a PE-floater or PP float ball. When using the adjustable, lockable float lever in combination with the float ball made of stainless steel, the use in hot water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

Approvals

Approved versions available on request:

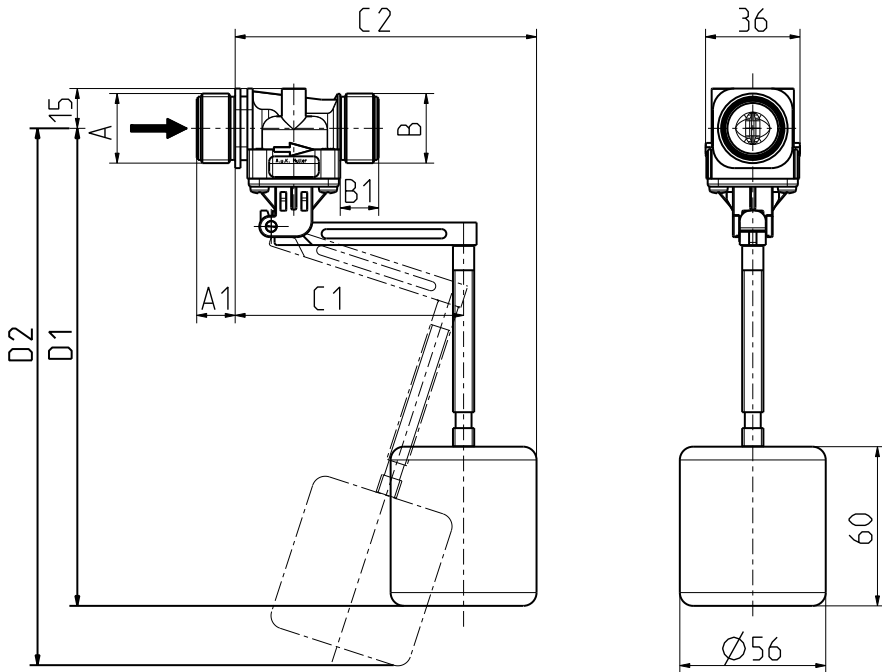
- KTW-BWGL
- Others on request

Typical Performance Curve





Series 21.013.I26

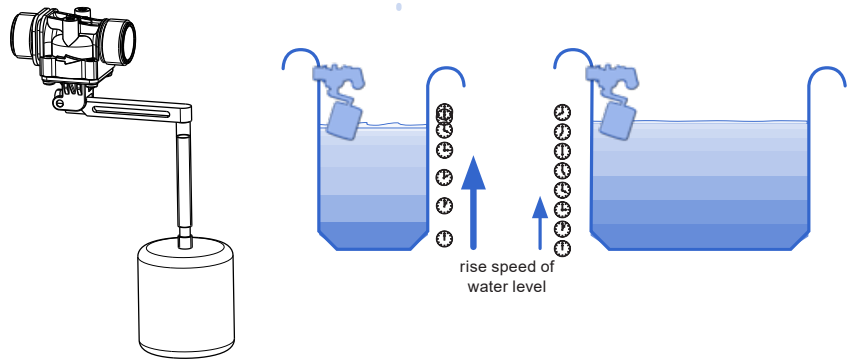


Technical Data

Type	float valve	
Construction	2/2-way single chamber straight valve, servo-controlled	
Function	closed by buoyancy of float body	
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	13 mm	
p-Operating	0,3 - 10,0 bar	
Flow factor Kv	28 l/min	
Flow regulator	on request	
Float cylinder	position adjustable	

Materials

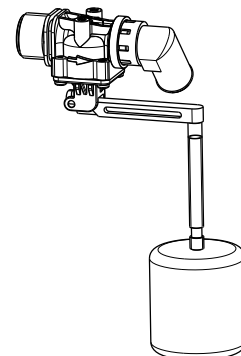
Valve body	PA 66 glass fibre reinforced
Metal parts in medium	stainless steel
Membrane and sealings	EPDM
Float cylinder	polystyrene PE-foam on request
Float lever	POM
Filter	POM (at inlet) stainless steel on request



Options

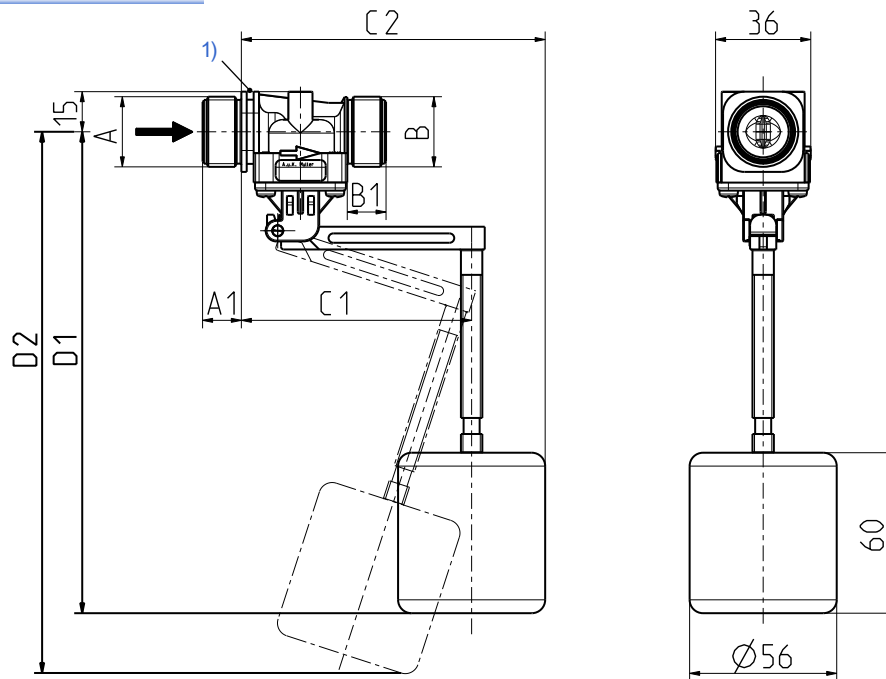
Lever dimensions	a)	b)
D1	113	180
D2	131	203
C1	57	86
C2	85	114

Elbow nozzle





Series 21.013.126



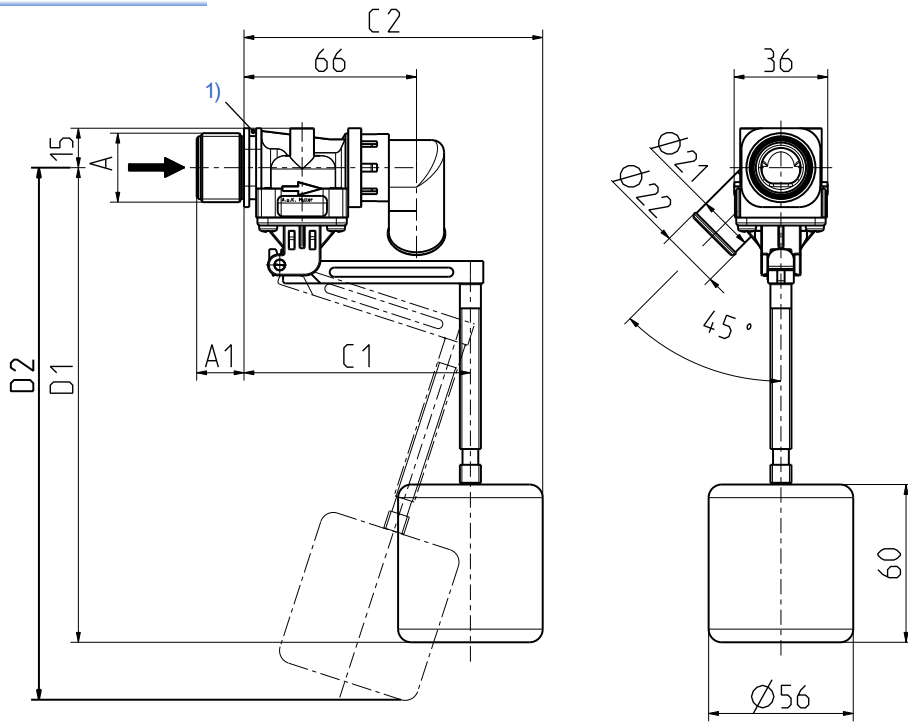
1) Fixing groove

Options

Material	Inlet		Outlet	
	Ø A	A1	Ø B	B1
PA 66	G 1/2	15,0	G 1/2	15,0
PA 66	G 1/2	15,0	19,5 nozzle	25,5
PA 66	G 3/4 (no fixing clip possible)	10,0	G 3/4	10,0
PA 66	G 3/4	14,5	G 3/4	14,5
PA 66	G 3/4	14,5	G 3/4	18,0
PA 66	G 3/4	14,5	19,5 nozzle	25,5
PA 66	G 3/4	18,0	G 3/4	14,5
PA 66	G 3/4	18,0	G 3/4	18,0
PA 66	G 3/4	18,0	19,5 nozzle	25,5
PPE	G 3/4	18,0	19,5 nozzle	25,5
PPE	.75-11.5 NH	18	19,5 nozzle	25,5

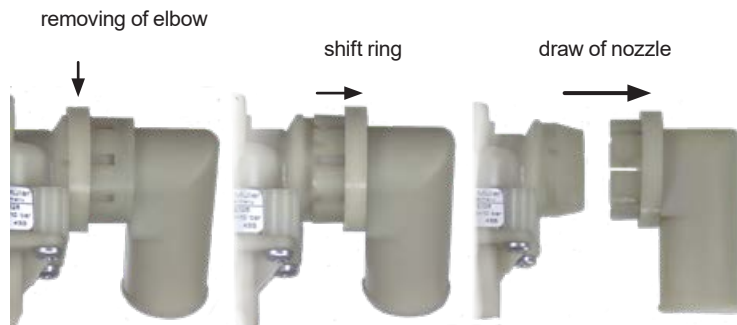


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1) Fixing groove

Material	Inlet	
	Ø A	A1
PA 66	G 1/2	15,0
PA 66	G 3/4	14,5
PA 66	G 3/4	18,0

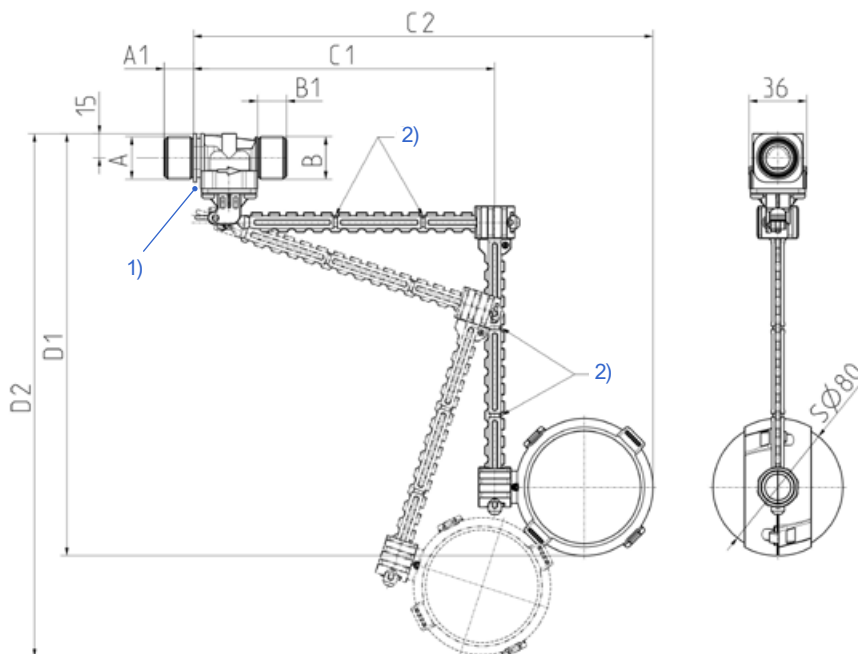




Series 21.013.126

Adjustable Float Lever

Float lever and float ball adjustable within detent.
 The float lever and float ball can be locked every 11 mm.
 The 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.

Technical Data

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

Lever Lengths

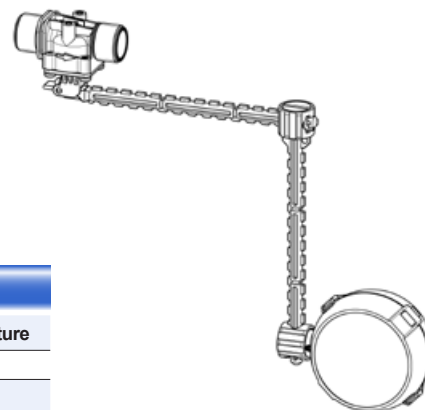
Lever lengths	min	max	Adjustment interval
D1	141	260	11 mm
D2	166	323	-
C1	46	186	11 mm
C2	143	283	11 mm

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.

Materials	
Valve body	PA 66 glass fibre reinforced
Angle nozzle	PA 66 glass fibre reinforced
Metal parts in medium	stainless steel
Membrane and 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	Media Temperature
on request	G 3/4	18	G 3/4	18	Float ball PS	5 - 30° C
092584	G 3/4	18	G 3/4	18	Float ball PP	5 - 60° C
092583	G 3/4	18	G 3/4	18	Float ball stainless steel	5 - 90° C

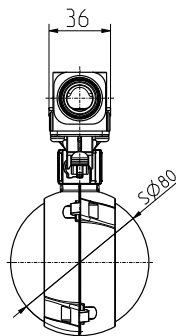
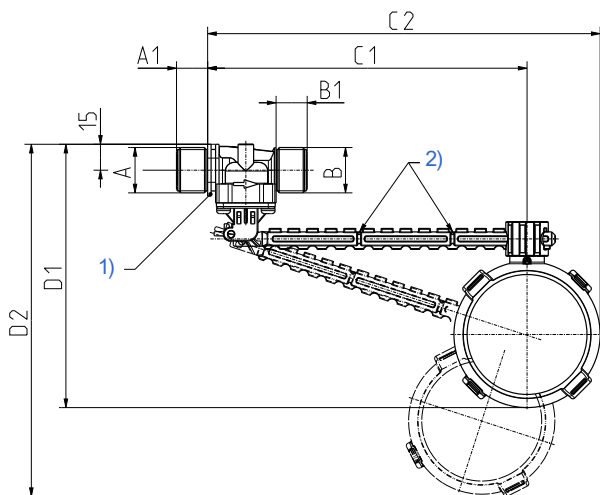
Other combinations of connection types on request.





Series 21.013.I26

Float lever adjustable variant with one lever



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

- 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.

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.

