Product Information

Float valve, DN 13, float ball

Series 21.013.126



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 with a glass fibre reinforced polyamid elbow nozzle as outlet.

Applications

- tank filling
- high pressure cleaning devices (system separation according to EN 1717)
- washing systems
- irrigation systems
- 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
Internet: www.akmueller.de

Characteristics

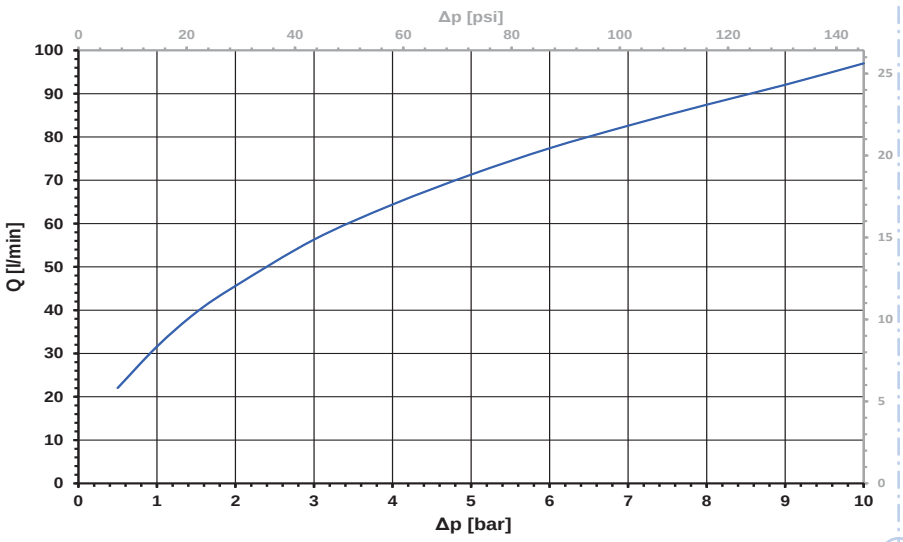
- proportional behaviour (flow depends on position of float lever)
- servo-controlled
- operation largely independent from inlet pressure
- easy to assemble and service
- compact design
- suitable for heated water up to 90 °C
- floater adjustable
- different lever dimensions available (on request)
- high operating safety by the use of high quality materials and 100% final testing of the products

Possible approvals

Approved versions available on request:

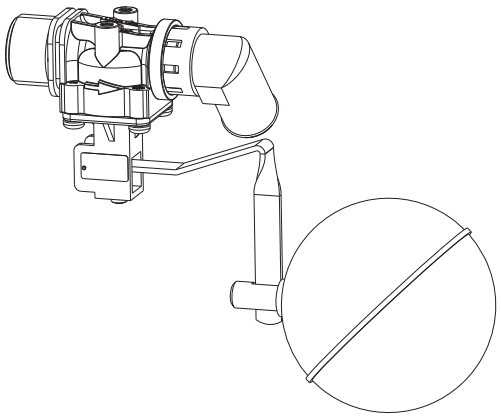
- KTW/W270
- WRAS
- Others on request

typical performance curve



© copyright A.u.K. Müller, technical changes reserved

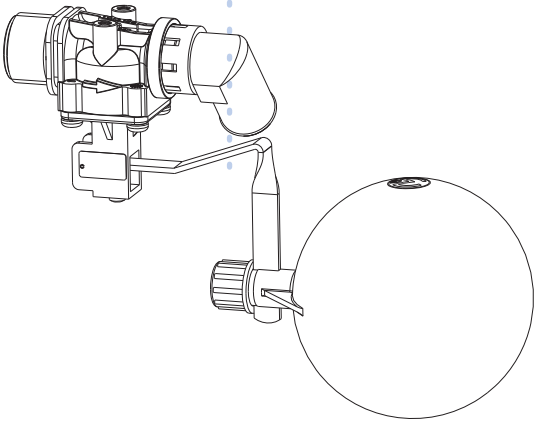
Series 21.013.126



Float ball: stainless steel Tm: 90°C

Technical Data

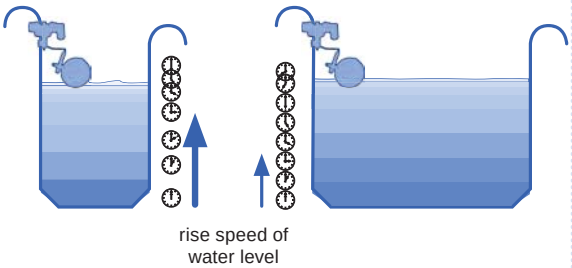
Type	float valve	
Construction	2/2-way single chamber straight valve , elbow nozzle as outlet, servo-controlled	
Function	closed by buoyancy of floater	
Fitting position	floater pointing downwards	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	90 60	°C max. stainless steel °C max. PPH
T-Ambient	as per T-Medium	
DN	13	mm
p-Operating	0,3 - 10,0	bar
Cv-value	31	l/min
Flow regulator	on request	
Float ball	position adjustable	



Float ball: PPH Tm: 60°C

Materials

Valve body	PA 66 glass fibre reinforced
Elbow nozzle	PA 66 glass fibre reinforced
Metal parts in medium	stainless steel
Membrane and sealings	EPDM
Float ball	stainless steel (1.4301) PPH (on request)
Float lever	brass CW508L 10x2
Filter (at inlet)	POM (stainless steel on request)



rise speed of water level

Elbow nozzle

remove nozzle

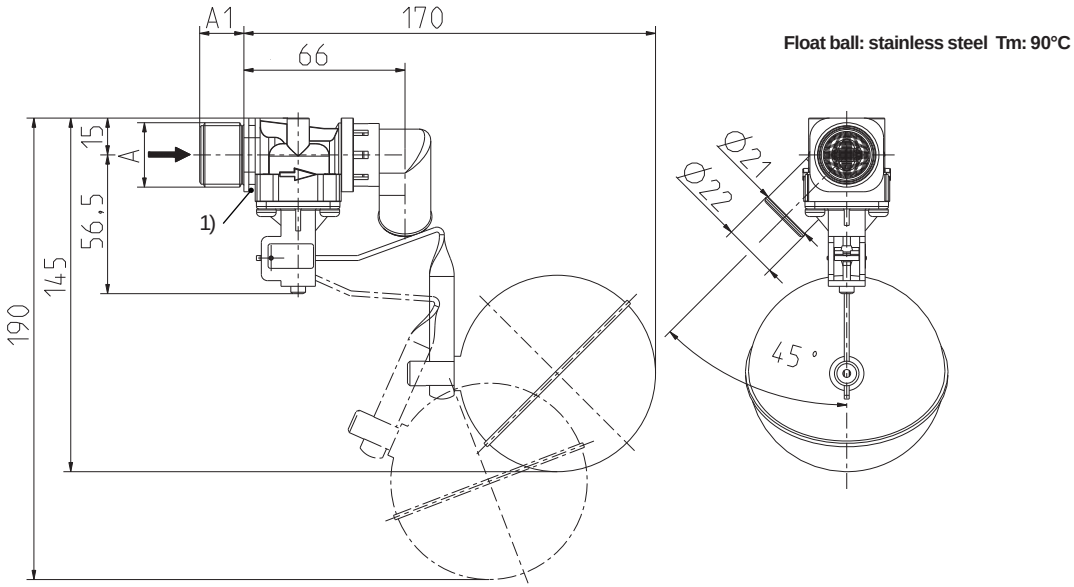
shift ring

remove nozzle

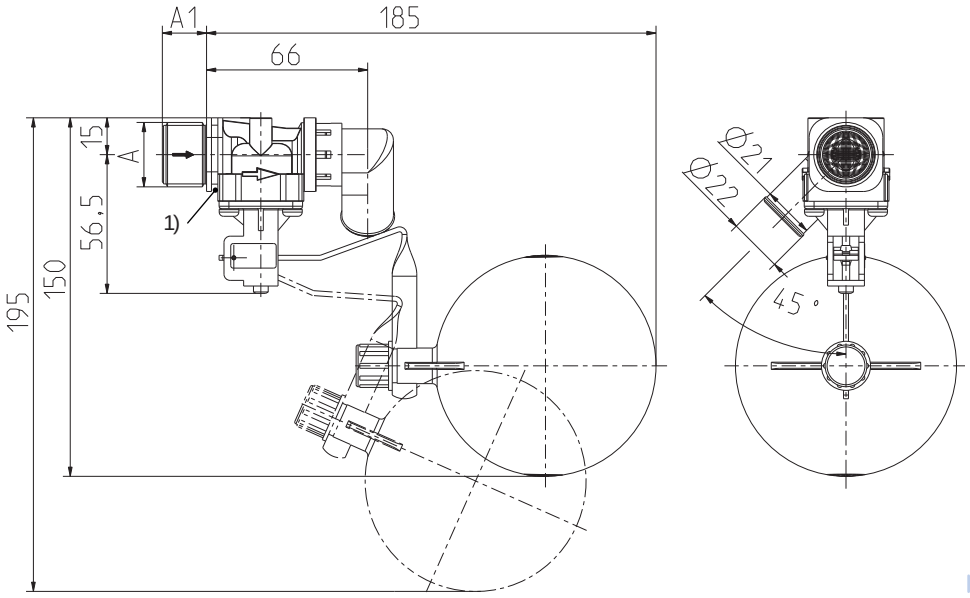


E1017 © copyright A.u.K. Müller, technical changes reserved

Series 21.013.126



Float ball: stainless steel Tm: 90°C



Float ball: PPH Tm: 60°C

1) Fixing groove

Options

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

© copyright A.u.K. Müller, technical changes reserved

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
Internet: www.akmueller.de

Product Information

Float valve, DN 13

Series 21.013.126



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
Internet: 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 60 °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 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.

Applications

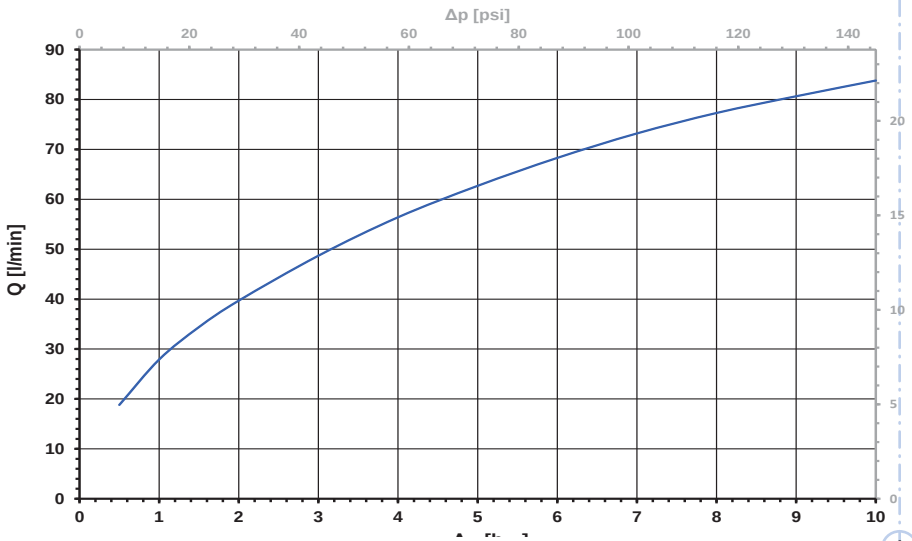
- tank filling
- high pressure cleaning devices (system separation according to EN 1717)
- washing systems
- irrigation systems
- ice machines
- industrial appliances

Possible approvals

Approved versions available on request:

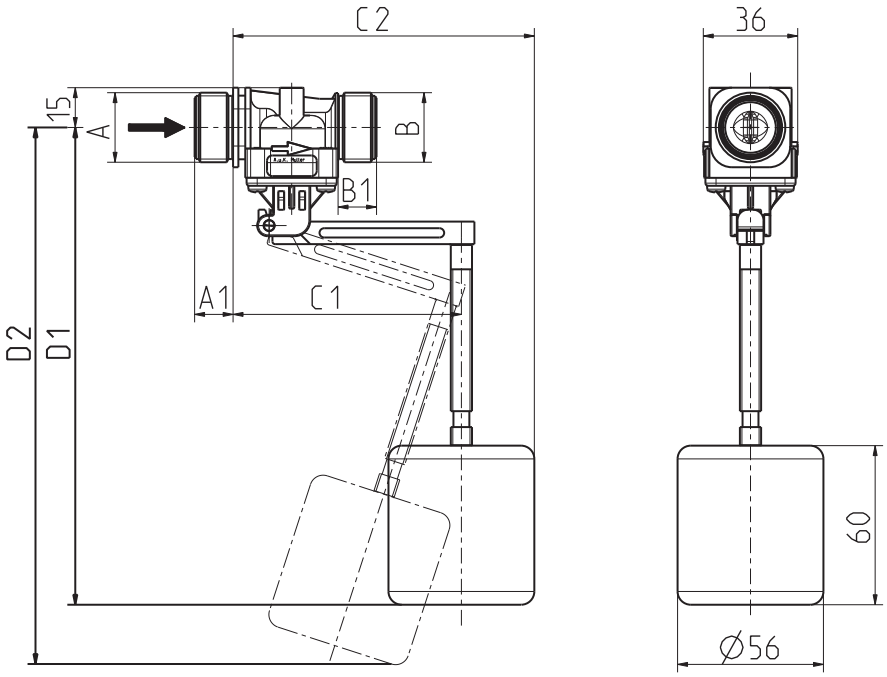
- KTW/W270
- WRAS
- Others on request

typical performance curve



© copyright A.u.K. Müller, technical changes reserved

Series 21.013.126

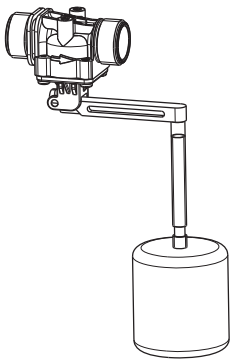


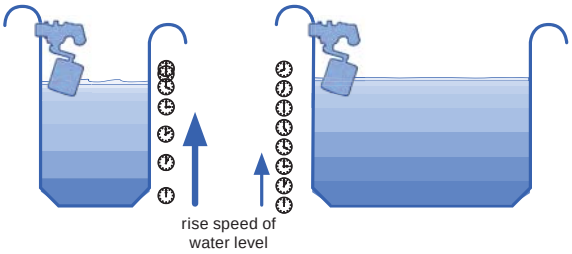
Technical Data

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	30 60	°C polystyrene °C PE
T-Ambient	as per T-Medium	
DN	13	mm
p-Operating	0,3 - 10,0	bar
Cv-value	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

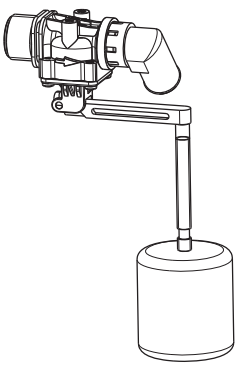




Options

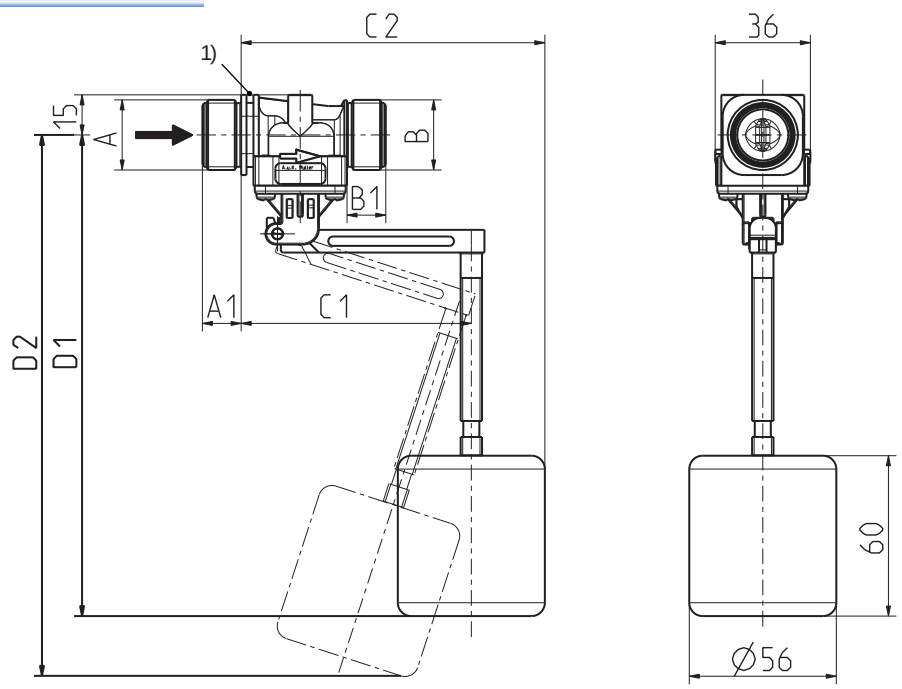
Lever dimensions	**a)**	**b)**
D1	113	180
D2	131	203
C1	57	86
C2	85	114

Elbow nozzle



© copyright A.u.K. Müller, technical changes reserved

Series 21.013.126



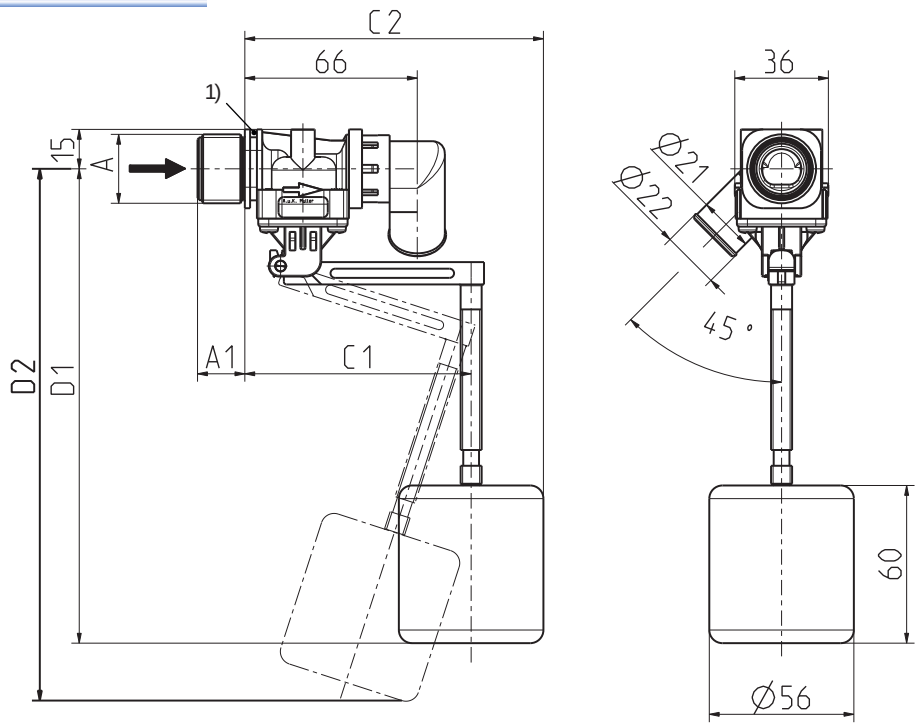
1) Fixing groove

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

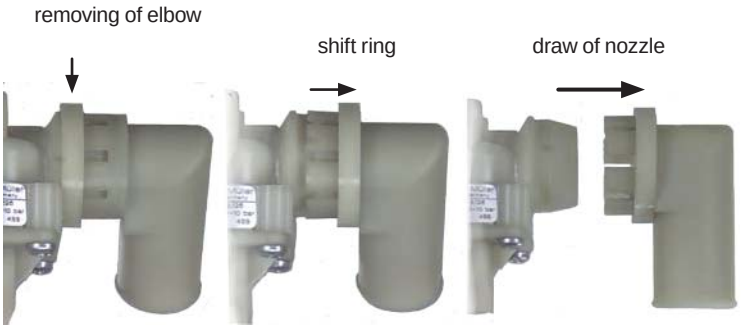
© copyright A.u.K. Müller, technical changes reserved

Series 21.013.126



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



© copyright A.u.K. Müller, technical changes reserved