

Float Valves

Float Valves for external installation on tanks NV 56



Double Seat Level Regulating Valve

Technical Data

Connection DN	125 - 400
Nominal Pressure PN	10 - 40
Operating Pressure	0 - 16 bar
K _{vs} -Value	46 - 1800 m ³ /h
Temperature	130 °C
Medium	liquids

Description

Float valves automatically control liquid levels in sealed or open (non-pressurised) tanks and vessels without requiring external energy. The float registers the liquid level and directly controls the valve via a lever. A change in the liquid level immediately results in a changed flow volume.

NV 56 is a pipeline valves with tank connecting flange for vertical flow. The standard soft seal ensures perfect sealing of the valve.

The valves are fitted with a float bar on which a float featuring an inner tube is mounted. By changing the position of the float on the bar the required liquid level is infinitely variable.

The following note applies to float valves fitted with float bars: If the liquid level is below the float bar i.e. if the float points downwards, a guide for the float bar should be installed.

When enquiring or ordering please quote the suffix letters given below:

Z = inlet. Valve closes when float rises

A = outlet. Valve closes when float drops

w = horizontal flow

o = upward flow

u = downward flow

example: float valve Z/o (inlet valve for vertical flow upwards)

Standard

- » tank connecting flange
- » float bar stainless steel
- » cylindrical float SC 8 stainless steel

Options

- » rubber or plastic coating for corrosive media
- » various seal materials suitable for your medium
- » spindle sealed against the tank (for example with Rießler plants)
- » special versions on request

Please state working pressure range when enquiring or ordering.

Operating instructions, know how and safety instructions must be observed. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.



Pressure Ranges [bar] und K_{vs}-Values [m³/h]

pressure range	nominal diameter DN						
	bar	125	150	200	250	300	350
0 - 1	140	230	380	570	1000	1000	1800
0 - 4	84	140	230	380	570	570	1000
0 - 16	46	84	140	230	380	380	570

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Materials		
Body	PN 16	spheroidal cast iron or cast steel
	PN 25 - 40	cast steel
	PN 16 - 40	optional CrNiMo-steel
Cone and Seat	CR-steel optional CrNiMo-steel	
Cone Guide	Rg optional CrNiMo-steel	
Valve Seal	EPDM	
Linkage	steel zinced or steel, optional CrNiMo-steel	

Dimensions [mm] and Weights [kg] PN 10/16*							
size	nominal diameter DN						
	125	150	200	250	300	350	400
A	400	480	600	730	850	980	1100
B	340	410	460	500	550	550	550
C	185	200	210	250	290	290	385
D	235	255	295	350	380	380	380
E	420	490	630	700	770	770	770
F	60	70	90	100	110	110	110
H	250	250	300	350	400	400	500
kg	98	133	222	302	510	570	725

Dimensions Cylindrical Float SC 8 [mm] (ø = height)							
pressure range	nominal diameter DN						
	bar	125	150	200	250	300	350
0 - 1	240	305	305	340	380	380	380
0 - 4	280	340	340	380	420	420	460
0 - 16	380	420	460	500	600	600	600

Weights [kg] PN 10/16*							
pressure range	nominal diameter DN						
	bar	125	150	200	250	300	350
0 - 1	100	137	226	307	516	576	731
0 - 4	101	138	227	308	517	577	735
0 - 16	104	140	232	314	531	591	746

* PN 25/40 on request

Customs Tariff Number
84818059

Special designs on request.
 The pressure has always been indicated as overpressure.
 Mankenberg reserves the right to alter or improve the designs or specifications of the products described herein without notice.

Dimensional Drawing

