

LEVEL CONTROL

Float valve NV 94

Valve for small to high flow rates



Technical data

Connection G	3/8A - 1 1/2A
Nominal pressure PN	16
Operating pressure	0 - 8 bar
K _{vs} value	0.5 - 21 m ³ /h
Temperature	300 °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 94 is a float valve for horizontal or vertical installation inside a tank as inlet or outlet valve. They are entirely manufactured from stainless steel featuring excellent corrosion resistance. The valve cone can be fitted with a soft seal (up to 130 °C) or a metallic seal (up to 300 °C).

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/w (inlet valve for horizontal flow).

Standard

- » All stainless steel construction
- » SC 3 ball float stainless steel

Options

- » Various seal materials suitable for your medium
- » Special versions on request

Product



Picture similar

Technical specification

K_{vs} values [m³/h]

pressure range bar	Connection G					
	3/8	1/2	3/4	1	1 1/4	1 1/2
0 - 2	2	4	6	14	15	21
0 - 4	1.2	3	4	8	8.7	12
0 - 8	0.5	1.6	3	4.5	4.4	6.4

Pressure ranges [bar]

0 - 2	0 - 4	0 - 8
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Materials

Materials	
Body	stainless steel
cone	stainless steel
seat	stainless steel
Valve seal	EPDM up to 130 °C, metallic up to 300 °C
Float	stainless steel

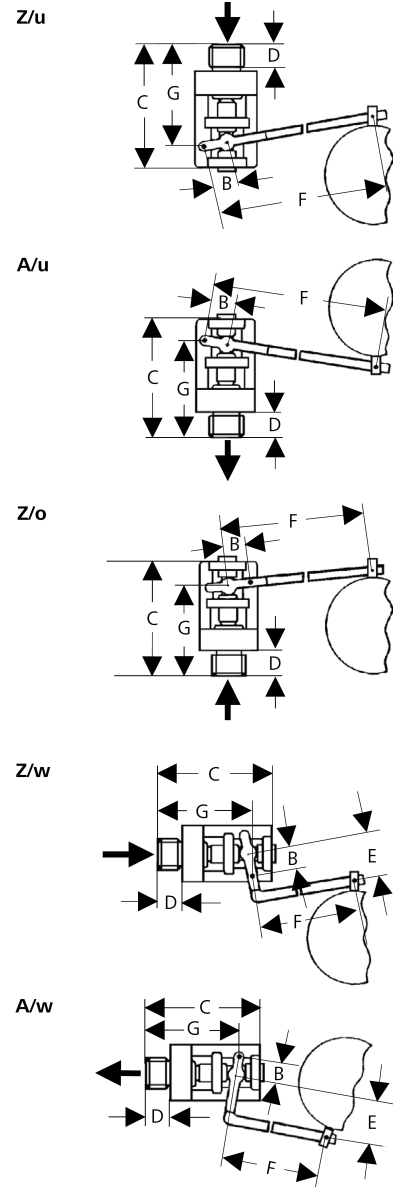
Dimensions and weights

Dimensions [mm]						
size	nominal diameter G...A					
	3/8	1/2	3/4	1	1 1/4	1 1/2
B	9	13.5	15.5	19.5	24	26
C	56	75	75	97	110	120
D	12	16	16	20	22	25
E	34	42	42	55	63	63
F	110	165	190	225	285	320
G	43	57	57	72	80	90

Dimensions [mm] ball float SC 3						
nominal diameter G...A						
3/8	1/2	3/4	1	1 1/4	1 1/2	
110	130	150	180	200	220	

Weights [kg] incl. float						
nominal diameter G...A						
3/8	1/2	3/4	1	1 1/4	1 1/2	
0.6	0.9	1.3	2	3.5	4.5	

Customs tariff number	
84818059	



Authorised Distributor:



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Please send us your enquiry and allow us to advise you. Special designs on request.
The pressure has always been indicated as overpressure. Mankenberg reserves the right to alter technical specifications without notice.