

LEVEL CONTROL

Float valve NV 93

Valve for medium to high flow rates



Technical data

Connection DN	15 - 80
Nominal pressure PN	16
Operating pressure	0 - 8 bar
K _{vs} value	1.6 - 81 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 93 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
- » Connection flange according to EN 1092-1

Options

- » Various seal materials suitable for your medium
- » Special connections: ANSI or JIS flanges, other connections on request
- » Special versions on request

Product



Picture similar

Technical specification

K _{vs} values [m ³ /h]								
pressure range bar	nominal diameter DN							
	15	20	25	32	40	50	65	80
0 - 2	4	6	14	15	21	35	57	81
0 - 4	3	4	8	8.7	12	20	35	49
0 - 8	1.6	3	4.5	4.4	6.4	10	17	28

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 DN							
	15	20	25	32	40	50	65	80
B	13.5	15.5	19.5	24	26	31	39.5	46
C	83	87	76	87	90	100	130	132
E	42	42	55	63	63	93	93	121
F	165	190	225	285	320	380	480	553
G	65	69	51	57	60	65	84	86

Dimensions [mm] ball float SC 3

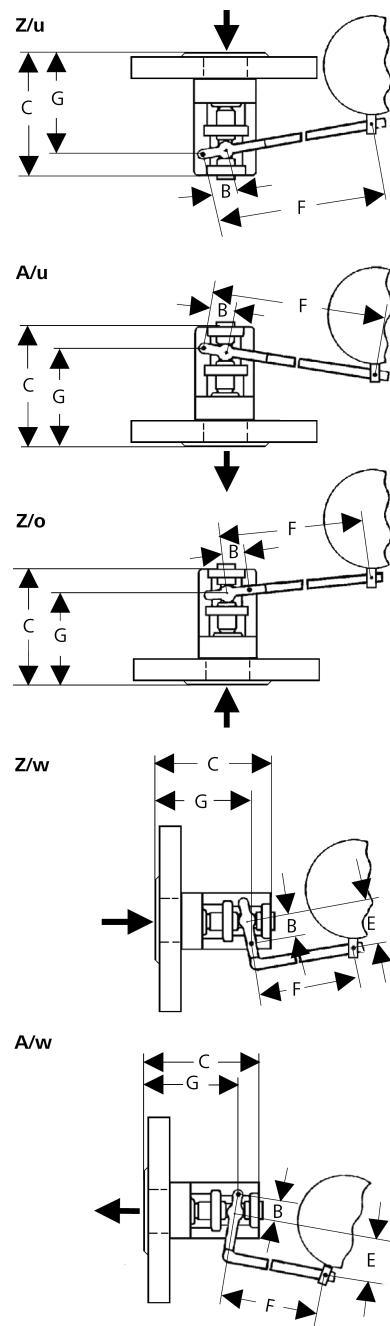
nominal diameter DN							
15	20	25	32	40	50	65	80
130	150	180	200	220	250	280	320

Weights [kg] incl. float

nominal diameter DN							
15	20	25	32	40	50	65	80
2	2.5	2.8	5.5	6.5	9	12	15

Customs tariff number

84818059



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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.