

# LEVEL CONTROL

## Float valve NV 98

Valve for small to high flow rates



### Technical data

Connection DN	40 - 80
Connection G	3/8A - 1 1/2A
Nominal pressure PN	16
Operating pressure	0 - 8 bar
K <sub>vs</sub> value	0.5 - 82 m <sup>3</sup> /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 98 is a float valve for horizontal installation inside a tank as inlet valve with outlet at the bottom. This valve is made entirely of stainless steel featuring excellent corrosion resistance.

NV 98 R (spigot connection) is fitted with a ball float, NV 98 F (flange connection) is fitted with a cylindrical float that is adjustable on its float bar. NV 98 FP is fitted with a parallel float guide which prevents oscillation of the float. The valve cone is fitted with a soft seal.

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.

### Standard

- » All stainless steel construction
- » NV 98 R with ball float SC 3
- » NV 98 F with cylindrical float SC 8
- » NV 98FP with cylindrical float SC 8 and float bar parallel guide

### Options

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

### Product



Picture similar

### Technical specification

#### K<sub>vs</sub> values [m<sup>3</sup>/h]

pressure range bar	nominal diameter G...A.					
	3/8	1/2	3/4	1	1 1/4	1 1/2
0 - 2	1.2	2.5	6	8	13.3	17.8
0 - 4	1.2	2.5	3.5	6	7.9	13.3
0 - 8	0.5	1.2	2.5	4	5	6.4

#### K<sub>vs</sub> values [m<sup>3</sup>/h]

pressure range bar	nominal diameter DN			
	40	50	65	80
0 - 8	20	32	50	82

#### Pressure ranges

nominal diameter	pressure range bar		
G 3/8 - 1	0 - 2	0 - 4	0 - 8
DN 40 - 80	0 - 8		

# LEVEL CONTROL

## Float valve NV 98

Valve for small to high flow rates



### Materials

Materials	
Body	stainless steel
cone	stainless steel
seat	stainless steel
Valve seal	G 3/8 FKM, G 1/2 - 1 1/2 EPDM
Float	stainless steel

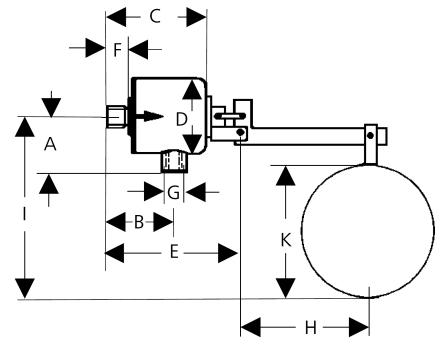
### Dimensions and weights

Dimensions [mm] and weights [kg] NV 98 R						
size	nominal diameter G...A.					
	3/8	1/2	3/4	1	1 1/4	1 1/2
A	40	40	40	45	47	447
B	60	60	60	65	72	77
C	85	85	85	90	96	101
D	ø 60	ø 60	ø 60	ø 60	ø 60	ø 60
E	110	110	110	115	123	128
F	16	16	20	20	23	25
G	3/8	3/8	1/2	3/4	1	1 1/4
H	200	200	200	200	200	200
I	125	135	155	175	205	225
K	ø 100	ø 110	ø 130	ø 150	ø 180	ø 200
kg	0.9	0.9	1.4	1.5	2.7	3

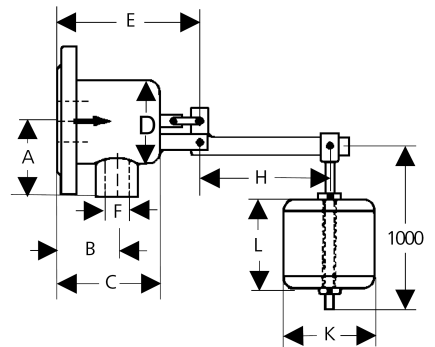
Dimensions [mm] and weights [kg] NV 98 F + NV 98 FP				
size	nominal diameter DN			
	40	50	65	80
A	85	95	95	110
B	60	75	75	80
C	105	125	125	140
D	ø 70	ø 90	ø 90	ø 125
E	145	165	165	180
F	ø 43	ø 53	ø 64	ø 80
H	330	330	440	530
I	975	970	965	965
K	ø 280	ø 305	ø 340	ø 380
L	280	305	340	380
M	55	55	80	80
kg	6.5	9.5	12.5	13.5

Customs tariff number
84818059

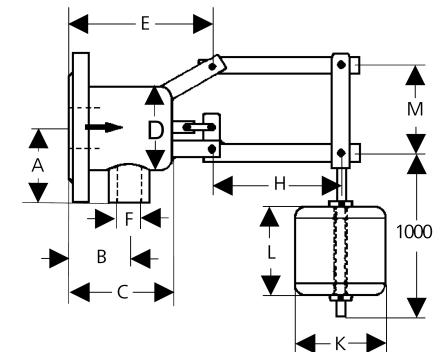
NV 98 RZ/u



NV 98 FZ/u



NV 98 FPZ/u



Mankenberg GmbH | Spenglerstrasse 99 | D-23556 Luebeck | Germany

#### Authorised Distributor:



46, Jalan SS 22/21, Damansara Jaya,  
47400 Petaling Jaya,  
Selangor Darul Ehsan, Malaysia.

Email: [ampmech@ampmech.com](mailto:ampmech@ampmech.com)  
Website: [www.ampmech.com](http://www.ampmech.com)

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.