

# Float Valves

## Float Valves for pipelines NV 15e

Epoxy-coated Cast Valve

### Technical Data

Connection DN	40 - 300
Nominal Pressure PN	16
Operating Pressure	0 - 16 bar
K <sub>vs</sub> -Value	18 - 900 m <sup>3</sup> /h
Temperature	70 °C
Medium	water, especially potable water

### 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 15e is a straightway or angle-type single-seat feed valve with relieved cone, the cone is fitted with a soft seal. The valves are approved for the use with potable water thanks to the coating of the body in accordance with the KTW guidelines.

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 valves are equipped with a float rod that is height-adjustable through the lever. Thus the fluid level can be steplessly adjusted.

### Standard

- » body coated with epoxy in accordance with the KTW guidelines
- » float rod made of CrNiMo steel
- » up to DN 65 ball float made of CrNiMo steel
- » from DN 80 shell-type float with internal pipe made of CrNiMo steel

### Options

- » float lever made of CrNiMo steel
- » EPDM seals
- » connection for frost protection G 3/8

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.



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

nominal diameter DN	40	50	65	80	100
m <sup>3</sup> /h	18	18	40	60	90

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

nominal diameter DN	125	150	200	250	300
m <sup>3</sup> /h	140	200	320	600	900

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### Werkstoffe

Body and Cover	spheroidal cast iron Epoxy-coated*
Guide Bush	brass /steel/stainless steel
Cone and Seat	stainless steel
Cone Guide	stainless steel / PTFE
Valve Seal	NBR
Linkage	stainless steel
Float	stainless steel

### Dimensions [mm] and Weights [kg] PN 10/16\*

size	nominal diameter DN									
	40	50	65	80	100	125	150	200	250	300
A	230	230	290	310	350	400	480	600	730	850
B	82,5	82,5	92,5	100	125	125	162	183	270	300
C	173	173	193	212	225	230	351	380	540	610
D	600	600	600	800	800	800	1000	1000	1220	1400
kg	21	21	25.6	32.6	41	49	78.5	118	162	250

### Float Dimensions [mm]

size	nominal diameter DN									
	40	50	65	80	100	125	150	200	250	300
ø	220	220	220	300	400	400	400	400	500	500
height				200	180	180	250	250	300	400

up to DN 65 with ball float  
from DN 80 with cylindrical float

### 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

