

Float Valves

Float Valves for pipelines NV 26

Double Seat Level Control 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 |

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 26 is a pipeline valve for horizontal or 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

r = includes sealed spindle

example: float valve Z/w (inlet valve for horizontal flow).

Standard

- » 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
- » 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 Range [bar] and K_{vs}-Values [m³/h]

| press. range bar | nominal diameter DN | | | | | | |
|---------------------|---------------------|-----|-----|-----|------|------|------|
| | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| 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 |

Float Valves

Float Valves for pipelines NV 26

Double Seat Level Control Valve



Materials

| | | |
|---------------|--|------------------------------------|
| Body | PN 10 - 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 zincd 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 | 325 | 400 | 440 | 490 | 540 | 540 | 555 |
| C | 185 | 200 | 210 | 250 | 290 | 290 | 385 |
| D | 760 | 895 | 1120 | 1280 | 1440 | 1440 | 1600 |
| E | 570 | 675 | 840 | 960 | 1080 | 1080 | 1200 |
| F | 665 | 785 | 980 | 1120 | 1260 | 1260 | 1400 |
| G | 95 | 110 | 140 | 160 | 180 | 180 | 200 |
| kg | 93 | 128 | 198 | 276 | 480 | 535 | 690 |

Dimensions Cylindrical Float SC 8 [mm] (ø = height)

| press. range bar | nominal diameter DN | | | | | | |
|---------------------|---------------------|-----|-----|-----|-----|-----|-----|
| | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| 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*

| press. range bar | nominal diameter DN | | | | | | |
|---------------------|---------------------|-----|-----|-----|-----|-----|-----|
| | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| 0 - 1 | 95 | 132 | 202 | 281 | 486 | 541 | 696 |
| 0 - 4 | 96 | 133 | 203 | 282 | 487 | 542 | 700 |
| 0 - 16 | 99 | 135 | 208 | 288 | 501 | 556 | 711 |

* 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

