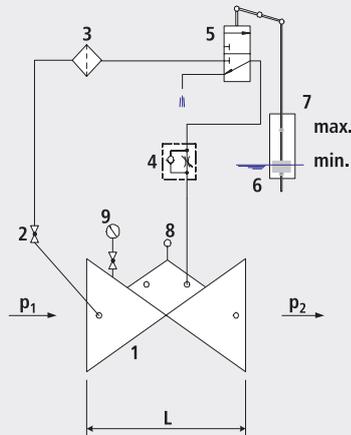


On/Off valve with float control

1600



Components

- 1: Main valve
- 2: Ball valve
- 3: Filter
- 4: Throttle check valve
- 5: Control valve
- 6: Float
- 7: Float protection pipe (optional)
- 8: Opening limiter
- 9: Pressure gauge with ball valve

Product information

- To calculate the dimensions of the valve please refer to the following information:
- Maximum and minimum inlet pressure (static and dynamic pressure ratios)
- Existing counterpressure of the reservoir
- Required flow rate
- Available line diameters and lengths
- Construction of the valve (straight or angle design)
- Minimum and maximum water level (as standard between 100 and 900 mm can be adjusted using stops, greater water level differences on request)
- For the calculation basis, information on the loss of pressure and the characteristic values of the valve, please refer to the end of Chapter E.

Application

- To use in drinking water systems (other media after consultation)
- Level control in a reservoir or pressure-breaking shaft
- Level control in an equalising basin

Installation and assembly

Shut-off valves should be fitted on both sides of the valve and a dirt trap should be installed on the inlet side of the valve. Depending on the installation situation, a mounting/dismounting adapter should be provided. If there is a free run into the water tank downstream from the valve, the slider on the outlet side can be omitted. Depending on the pressure ratios, an orifice plate should be installed on the outlet side of the valve and an opening limiter on the valve. The installation of a float protection pipe is recommended to guide the float.

Mode of operation

- The open/close valve with float protection mechanically/hydraulically regulates the water inflow in a reservoir by means of a float solenoid valve and float bulbs. The closing speed can be adjusted by means of a throttle non-return valve to prevent surges in pressure.
- At inlet pressures less than 1.5 bar and more than 4 bar consultation is to be kept.

Accessories

- Float protection pipe (No. 1699)
- Float bracket (No. 1943800005)
- Polyamide tube (No. 0731)

Artikel-Nr.	DN	PN	L	kg	NPK No. 411
1600007000	1 1/2"	16	210	12.400	
1600008000	2"	16	210	9.000	
1600040000	40	16	200	15.750	834215
1600050000	50	16	230	15.300	834216
1600065000	65	16	290	21.300	834217
1600080000	80	16	310	26.600	834218
1600100000	100	16	350	34.600	834219
1600125000	125	16	400	50.600	834221
1600150000	150	16	480	76.000	834222
1600200000	200	10	600	114.600	834223
1600200016	200	16	600	114.600	
1600250000	250	10/16	730	247.000	834224
1600300000	300	10/16	850	360.000	834225

The connecting pipe from the base valve to the control valve must be provided by the customer.