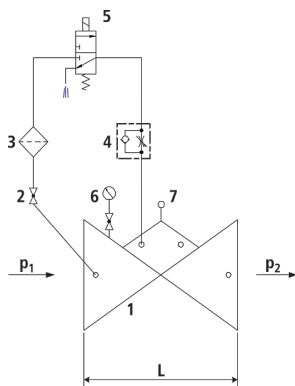
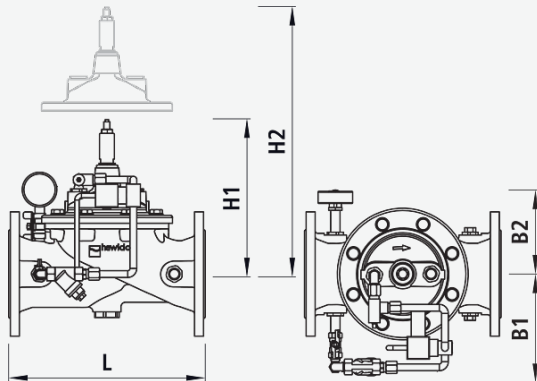


On/Off valve for electrical remote control - open without current

1704



Components

- 1: Main valve
- 2: Ball valve
- 3: Filter
- 4: Throttle check valve
- 5: Electric solenoid valve
- 6: Pressure gauge with ball valve
- 7: Opening limiter

Physical characteristics

- The main valve is a hydraulically operating diaphragm valve. The work energy is the inherent medium.
- Most valve types operate purely hydraulically without any foreign energy.

Application

- To use in drinking water systems (other media after consultation)
- Opening or closing a supply system by means of an electrical signal

Mode of operation

- The open/close valve hydraulically opens or closes for the electric actuation via the solenoid valve fitted on the control line. The valve is open when the power is off. The closing speed can be adjusted by means of a throttle non-return valve to prevent surges in pressure.

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
- Required flow rate
- Maximum permissible loss of pressure
- Voltage information for the solenoid valve
- Available line diameters and lengths
- Construction of the valve (straight or angle design)
- 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.

Design

- Design according to DIN EN 1074
- Construction length acc. to DIN EN 558
- Flange mass according to DIN 1092-2, to PN 25 DN 300
- Pressure levels: PN 10 or PN 16 to DN 300, PN 25 to DN 200, higher pressures on request.
- Nominal widths DN 50, DN 80, DN 100 and DN 150 available in angular design
- Nominal widths 1 ½" and 2" with threaded connection (female thread)
- Medium temperature up to 40°C

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.

Vantages

- Maintenance-free, non-rusting valve seat
- Pressed-in seat
- EWS-coating according to RAL GSK

| Article No. | DN | PN (bar) | L (mm) | B1 (mm) | B2 (mm) | H1 (mm) | H2 (mm) | KVS l/min. | weight (kg) | Availability |
|-------------|--------|----------|--------|---------|---------|---------|---------|------------|-------------|--------------|
| 1704007000 | 1 1/2" | 16 | 210 | 190 | 160 | 230 | 400 | 315 | 9.000 | on demand |
| 1704008000 | 2" | 16 | 210 | 190 | 160 | 230 | 400 | 460 | 9.000 | on demand |
| 1704040000 | 40 | 16 | 200 | 190 | 160 | 230 | 400 | 315 | 11.100 | on demand |
| 1704050000 | 50 | 16 | 230 | 190 | 160 | 230 | 400 | 506 | 16.750 | on demand |
| 1704065000 | 65 | 16 | 290 | 190 | 160 | 240 | 400 | 725 | 21.800 | on demand |
| 1704080000 | 80 | 16 | 310 | 190 | 180 | 260 | 400 | 1200 | 27.900 | on demand |
| 1704100000 | 100 | 16 | 350 | 220 | 200 | 290 | 400 | 2150 | 35.900 | on demand |
| 1704125000 | 125 | 16 | 400 | 230 | 210 | 380 | 500 | 2955 | 52.000 | on demand |
| 1704150000 | 150 | 16 | 480 | 250 | 220 | 410 | 500 | 4960 | 76.000 | on demand |
| 1704200000 | 200 | 10 | 600 | 260 | 250 | 450 | 500 | 7640 | 115.100 | on demand |
| 1704200016 | 200 | 16 | 600 | 260 | 250 | 450 | 500 | 7640 | 115.100 | on demand |
| 1704250000 | 250 | 10/16 | 730 | 275 | 270 | 530 | 600 | 11600 | 247.500 | on demand |
| 1704300000 | 300 | 10/16 | 850 | 275 | 740 | 550 | 600 | 24600 | 358.000 | on demand |

Comment: Up to DN 100 as per the diagram. From DN 125 with orifice plate and 2/2-way solenoid valve.