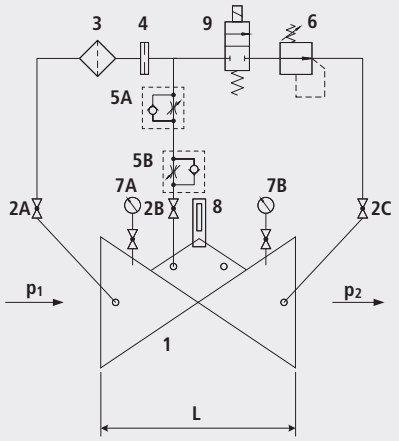
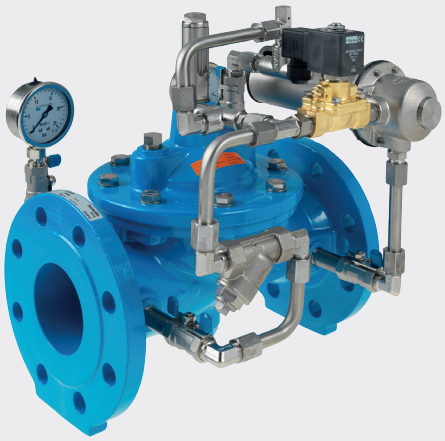
Pressure reducing valve for electrical control - closed without current

1503





Components
- 1: Main valve
- 2: Ball valve (A, B, C)
- 3: Filter
- 4: Orifice
- 5: Throttle check valve (A, B)
- 6: Control valve
- 7: Manometer with ball valve (A, B)
- 8: Optical position indicator (optional: Electrical position indicator, opening limiter)
- 9: Electric solenoid valve

Application
- To use in drinking water systems (other media after consultation)
- Reduction in pressure for a network feed with a reservoir as the water level control
- Controlled emergency feed into a second network (network connections)
- In combination with an orifice plate for filling the reservoir

Mode of operation
- The pressure reducing valve for an electrical actuation reduces a variable inlet pressure to a constant outlet pressure when the solenoid valve is energised. The valve is shut when the power is off. Fluctuating inlet pressure and flow rate have no effect on the outlet pressure controlled by the control valve. The outlet pressure is adjustable in the range from 1.5 to 12 bar (standard design). The opening and closing speeds can be set independently.

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)
- Desired outlet pressure
- Construction of the valve (straight or angle design)
- Maximum and minimum flow rates
- Possible requirement for extinguishing water
- Available line diameters and lengths
- Voltage information for the solenoid valve
- 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.

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 and an aeration and ventilation system should be provided.

Artikel-Nr.	DN	PN	L	kg
1503007000	1 1/2"	16	210	11.000
1503008000	2"	16	210	11.000
1503040000	40	16	200	15.750
1503050000	50	16	230	16.250
1503065000	65	16	290	21.300
1503065025	65	25	290	21.450
1503080000	80	16	310	27.400
1503080025	80	25	310	27.400
1503100000	100	16	350	35.400
1503125000	125	16	400	51.500
1503150000	150	16	480	76.000
1503200000	200	10	600	114.600
1503200016	200	16	600	114.600
1503250000	250	10/16	730	247.000
1503300000	300	10/16	850	356.000