

2/2-way Angle-Seat Control Valve CLASSIC with positioner, threaded version

- Compact design with stainless steel housing
- Robust and affordable option with long service life
- Excellent control performance combined with high flow capacity



The 2702 Control Valve consists of an 316L angle seat body with a rugged pneumatic piston actuator. The parabolic trim results in a flow characteristic approximately 35% larger than conventional control valves. When combined with the 8692 TopControl, a unique control valve system is formed which can be operated as a simple, accurate positioner for flow rate, temperature or pressure.

Technical Data

Material	
Body (Type 2702)	Cast stainless steel 316L (conform to 1.4409)
Sealing (Type 2702)	Stainless steel/stainless steel
Actuator (Type 2702)	PA (polyamide) (PPS on request)
Body (Type 8692)	PPS, Stainless steel
Cover (Type 8692)	PC
Seal (Type 8692)	EPDM
Sealing	Stainless steel/stainless steel

Seat leakage
acc. to IEC 534-4/EN 1349 Shut-off class IV for St.st./St.st.

Viscosity Max. 600 mm²/s

Packing gland PTFE V-rings (silicon grease) with spring compensation

Nominal pressure PN25 (body)

Temperature
Medium -10 °C to +180 °C
Ambient 0 °C to +55 °C, actuators 80 to 125 mm

Control medium Compressed air

Pilot pressure 5.5 to 7 bar

Pilot air ports Push-in connector (Ø 6 mm and 1/4" tube)

Flow direction Below seat

Control ratio (Kvs/Kv0) 50:1

Operating voltage 24 VDC ±10%

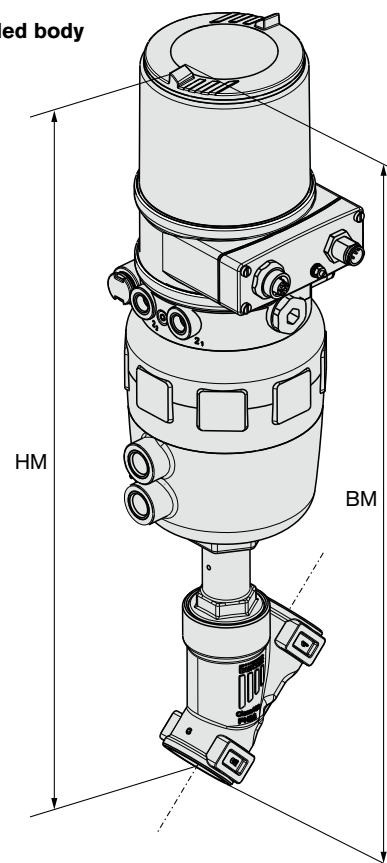
Setpoint 0/4 to 20 mA and 0 to 5/10 V

Note: For more technical data see Type 8692

Envelope Dimensions [mm] (see datasheet for details)

Valve system Continuous Classic Type 8802-YC-I with Positioner TopControl Type 8692

Threaded body



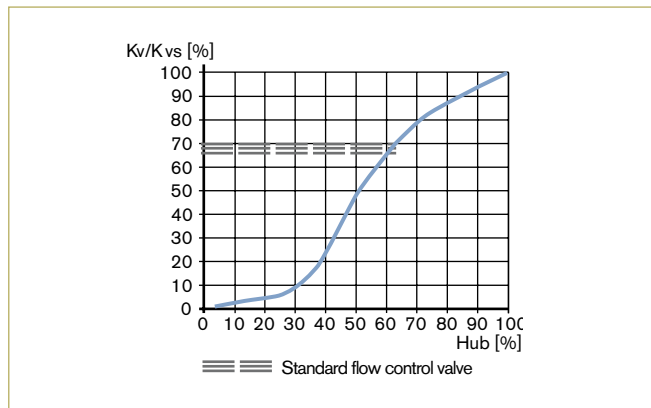
Port size [mm]	Actuator [mm]	HM [mm]	BM G, NPT and Rc thread
15	80	302	326
20	80	302	329
25	80	307	337
32	80	314	349
40	100	363	398
50	100	375	420

Ordering Chart

Control function	Orifice [mm]	Port connection	Actuator size \varnothing [mm]	Kv value water [m ³ /h]	Pressure range to +180 °C [bar]	Item no. Seal material ¹⁾ steel
8802-YC-I (Type 2702 and Positioner 8692)						
A 2/2-way valve normally closed (NC)	20	G 3/4"	80	9	16	229 470
	32	G 1 1/4"	80	23	12	229 471
	40	G 1 1/2"	100	35	16	229 472
	50	G 2"	100	53	10	228 928

¹⁾ Sealing-System: St. St./St. St.: regulation ball Stainless steel/Seat Stainless steel.

Flow characteristic



Remarks on the flow characteristic

Modified equipercentile flow characteristic, engineered for a quick response during peak flow demand (an advantage for many processes like heating/cooling with heat exchangers) and fine control at lower flow.