2/2-way ELEMENT Angle Seat Control Valve with positioner or process controller, flange version

- High control accuracy
- Stainless steel IP65 protection and 67
- Easy to install

The fully integrated system with control valve type 2300 and automation unit type 8692 or type 8693 has a compact and smooth design, integrated pneumatic lines, IP65/67/NEMA 4X protection class and a high chemical resistance.

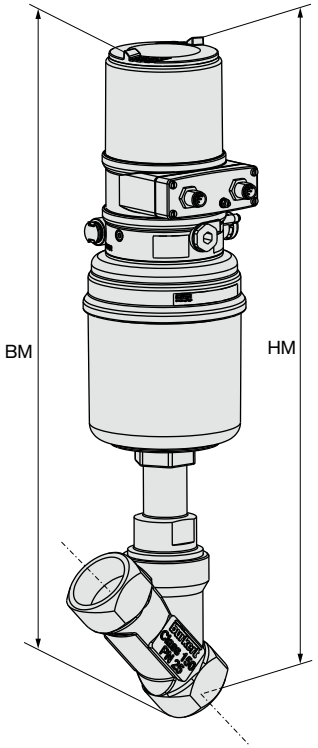
Technical data

Orifice	DN15 to 50 mm
Port connection	G 1/2" to G 2"
Body material	Stainless steel 316L
Actuator material Actuator Case	 PPS Stainless steel 1.4561 (316Ti)
Plug seal	PTFE/Steel (PTFE/stainless steel) and Steel/steel (Stainless steel/stainless steel)
Seat leakage acc. to IEC 534-4/EN 1349	Shut-off class III and IV for steel/steel. Shut-off class VI for PTFE/steel
Medium	Water, alcohol, oil, fuels, hydraulic fluid, salt solutions, alkalis, organic solvents, steam
Viscosity	Max. 600 mm^2/s
Packing spindle	PTFE seal with spring compensation
Mediums temperature	-10 °C to +185 °C (max. +130 °C for sealing PTFE/steel)
Ambient temperature	0 °C to +55 °C (in conjunction with positioners - respectively process controllers) 0 °C to +80 °C (remote version)
Control medium	Compressed air
Required pilot pressure for control function A	Orifice DN15 to 50 5.5 to 7 bar Orifice DN65 5.6 to 7 bar
Control air connections	Push-in connector (external Ø 6 mm or ¼")
Installation	As required, preferably with actuator upright

Note: For more technical data, see Type 8692 or Type 8693

Envelope Dimensions [mm] (see datasheet for details)

Valve system Continuous ELEMENT Type 8802 YG-I and 8802 YG-J

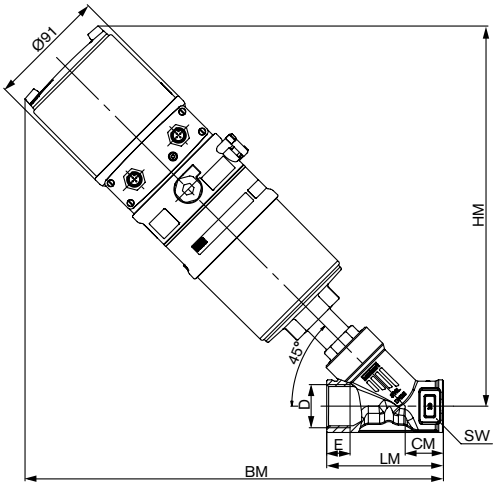


Orifice [mm]	Actuator size [mm]	HM	BM
15	70	280	308
20	70	288	318
25	70	294	327
	90	331	362
32	70	302	342
	90	345	382
40	90	347	383
	130	384	419
50	90	360	406
	130	397	442

Dimensions [mm] (see datasheet for further details)

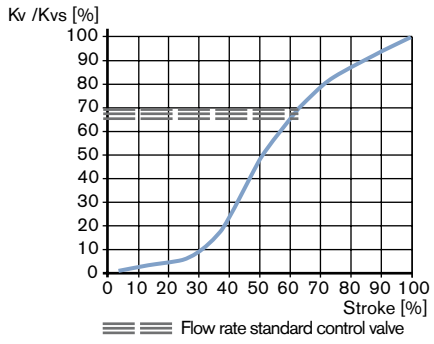
Valve system Continuous ELEMENT
Type 8802 YG-I and 8802 YG-J

Threaded body



Orifice [mm]	Actuator size [mm]	HM	BM	CM	LM	SW	G	
							D	E
15	70	280	308	24	65	27	G 1/2	14
20	70	288	318	27	75	34	G 3/4	16
25	70	294	327	29.5	90	41	G 1	18
	90	331	362	29.5	90	41	G 1	18
32	70	302	342	36	110	50	G 1 1/4	16
	90	345	382	36	110	50	G 1 1/4	16
40	90	347	383	35	120	55	G 1 1/2	18
	130	384	419	35	120	55	G 1 1/2	18
50	90	360	406	45	150	70	G 2	24
	130	397	442	45	150	70	G 2	24

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.

Ordering chart

Control function	Orifice [mm]	Port connection thread	Actuator size Ø [mm]	Kv value water [m³/h]	Pressure range to +185 °C [bar]	Item no. 8802-YG-I with positioner 8692 Steel/Steel	Item no. 8802-YG-J with positioner and Process controller 8693 Steel/Steel	Item no. 8802-YG-I with positioner 8692 Steel/PTFE	Item no. 8802-YG-J with positioner and Process controller 8693 Steel/PTFE
8802 YG-I and 8802 YG-J									
A 2/2-way valve normally closed (NC)	15	G 1/2"	70	5	16	229 270	228 611	232 164	259 464
	20	G 3/4"	70	10	16	229 272	229 415	240 343	249 255
	25	G 1"	90	16	16	229 279	249 829	267 356	256 739
	32	G 1 1/4"	90	23	16	229 275	229 417	273 975	273 104
	40	G 1 1/2"	130	36	16	229 280	229 419	267 374	–
	50	G 2"	130	53	16	229 281	229 420	267 362	247 460