

Pneumatically operated 2/2 way angle seat valve ELEMENT for decentralized automation



- High flow rate
- Long service life
- Easy integration of automation units with ELEMENT
- Flow-optimized stainless steel housing with threaded, clamp or weld connection
- Suitable for 10 bar(g) steam

Type 2100 welded can be combined with...



Type 8691

Control Head



Type 8695

Control Head



Type 8690

Pneumatic Control Unit



Type 8697

Pneumatic Control Unit

For process valves with centralized automation see CLASSIC Type 20xx

The angle seat valve, Type 2100, is specially optimized for decentralized process automation and fulfils tough criteria for process environments. The design enables the easy integration of automation units whether they are electrical/optical position feedback, pneumatic control units or an integrated fieldbus interface. Unrivalled cycle life and sealing integrity is guaranteed by the proven self adjusting spindle packing with V-seals.

The fully integrated system has a compact and smooth design, integrated pneumatic lines, IP65/67, NEMA Type 4X protection class and superior chemical resistance.

Technical data	
Orifice	DN15 to DN65
Port connections	Welded acc. to Clamp and threaded
	EN ISO 1127/ISO 4200, DIN 11850 S2, ASME BPE, SMS 3008, BS 4825 see separate data sheet
Body material	EN ISO 1127/ISO4200 and DIN 11850 S2 ASME BPE, SMS 3008 and BS 4825 Part 1
	Stainless steel 316L
Nominal pressure	PN25 (Body)
Actuator material	Actuator / Cover
	PPS / Stainless steel 1.4561 (316Ti)
Sealing material	PTFE
Medium	Water, alcohol, oils, fuels, hydraulic fluids, salt solution, alkali solutions, organic solvents, steam, optional fuel gas (EC Gas Appliances Directive 2009/142/EG)
Viscosity	max. 600 mm ² /s
Spindle packing	PTFE V-rings with spring compensation
Medium temperature	- 10 to + 185 °C
Ambient temperature	- 10 to + 60 °C (push-in air ports) - 10 to + 100 °C (threaded air ports)
Control medium	Neutral gases, air
Max. pilot pressure	max. 10 bar; actuator size 130 mm, 7 bar
Pilot air ports	Push-in connector for external Ø 6 mm or ¼" tube, thread G ½ (on request)
Installation	As required, preferably with actuator in upright position
Surface Finish	on request standard Ra, internal ≤ 3.2 µm internal connection area ¹⁾ Ra ≤ 0.6 µm mechanical polished (cast iron external surface) internal connection area ¹⁾ Ra ≤ 0.6 µm electro polished (cast iron external surface)

¹⁾ In the seat area the Ra ≤ 0.6 µm surface finish can be higher.










Content

Valve specifications		System spec. On/Off ELEMENT	Request for quotation
Type 2100		Type 8801-YE	Type 8801-YE
Technical data & ordering info.	p. 1-9	Technical data & ordering info.	p.16

**2100 welded
System On/Off
ELEMENT 8801-YE**

Ordering information for decentralized automation of On/Off ELEMENT valve system Type 8801-YE

A decentralized, automated On/Off ELEMENT valve system Type 8801-YE consists of a **angle seat valve Type 2100** and a valve control head **Type 8691/8695** or a pneumatic control unit **Type 8690/8697** (see separate datasheets). For the configuration of further valve systems please use the "Request for quotation" on page 16-17 You order two components and receive a complete assembled and certified valve.

Angle seat valve Type 2100 Welded connection	Control Head		Pneumatic Control Unit / Feedback	
	Type 8691	Type 8695	Type 8690	Type 8697
	 More info.	 More info.	 More info.	 More info.
Valve System On/Off ELEMENT				
				
	Valve System Type 8801-YE-H 2100+8691 (Actuator size Ø 70/90/130 mm)	Valve System Type 8801-YE-M 2100+8695 (Actuator size Ø 50 mm)	Valve System Type 8801-YE-K 2100+8690 (Actuator size Ø 70/90/130 mm)	Valve System Type 8801-YE-U 2100+8697 (Actuator size Ø 50 mm)

A detailed description of the control heads and pneumatic control units is on the next page. →

**2100 welded
System On/Off
ELEMENT 8801-YE**

Ordering information for decentralized automation of On/Off ELEMENT valve system Type 8801-YE

Control Head



More info.



More info.

Type 8691

Actuator size Ø 70/90/130 mm

Type 8695

Actuator size Ø 50 mm

The Control Head Type 8691/ 8695 is optimised for integrated mounting on the 21XX process valve series. The registration of the valve end position is done through a contactless analog position sensor, which automatically recognises and saves the valve end position through the Teach function when starting up. The integrated pilot valve controls single or double-acting actuators. The status of the valve is shown through high power coloured LEDs.

Features

- High power coloured Status-LEDs
- Contactless inductive position sensor
- Pilot valve with manual override
- Teach function for automatic registration of valve positions
- Hygienic stainless steel design
- Easy to clean chemically resistant housing featuring IP65 / IP67, 4X Rating
- AS-Interface or DeviceNet Fieldbus communication

Benefits

- Easy and safe Start-up through Teach function
- Easy process monitoring and error detection through clearly visible high-power coloured LEDs
- High plant availability due to prolonged actuator life boosted by spring chamber ventilation
- Minimised space requirement in the plant piping for more flexibility in plant design

Pneumatic Control Unit / Feedback



More info.



More info.

Type 8690

Actuator size Ø 70/90/130 mm

Type 8697

Actuator size Ø 50 mm

The pneumatic control unit Type 8697/8690 is optimised for integrated mounting on the 21XX process valve series. Mechanical or inductive limit switches register the position of the valve. The integrated pilot valve controls single or double-acting (8690) actuators.

Features

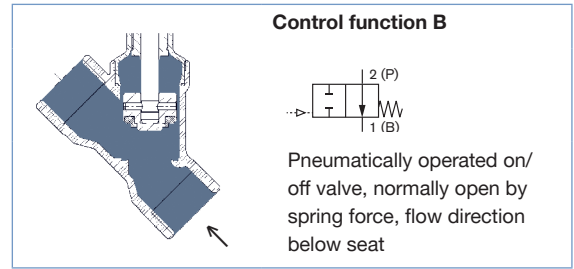
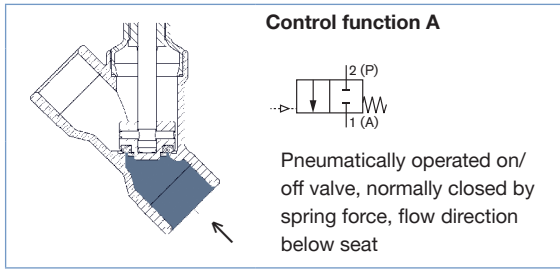
- Visual position indicator
- Mechanical or inductive limit switches for end position registering
- Pilot valve with manual override
- Compact design
- Easy to clean chemically resistant housing featuring IP65 / IP67, 4X Rating
- Optional intrinsically safe version acc. to ATEX

Benefits

- Easy and safe Start-up through Teach function (Type 8697)
- High level of signal reliability thanks to self adjusting limit switches
- Minimised space requirement in the plant piping for more flexibility in plant design

Click on the orange box "More info"... you will come to our website for the resp. product where you can download the data sheet.

Technical data angle seat valve Type 2100 flow direction below the seat (for gases and liquids)



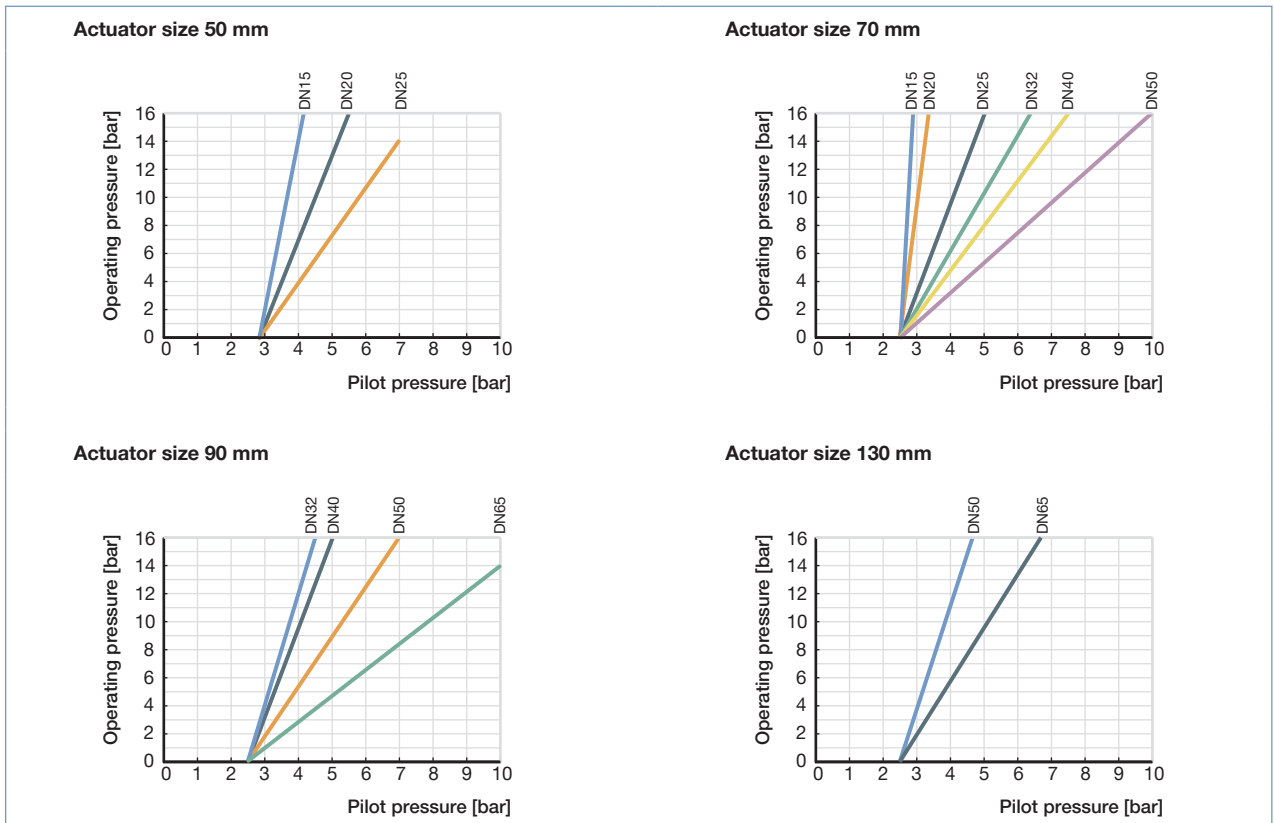
Orifice [mm]	Actuator size [mm]	K _v value water (m ³ /h)	Minimum pilot pressure CFA [bar]	Operating pressure up to +185 °C	
				CFA [bar]	CFB [bar]
15	50	5	5.2	25	16
	70	5	5.0	25	16
20	50	10	5.2	16	16
	70	11	5.0	20	16
25	50	15	5.2	9	14.5
	70	18	5.0	16	16
32	70	27	5.0	8.5	16
	90	28	5.0	16	16
40	70	38	5.0	6	16
	90	40	5.0	16	16
50	70	52	-	-	16
	90	55	5.0	10	16
	130	62	5.0	16	16
65	90	85	5.0	5	14
	130	95	5.6	16 (15*)	16 (15*)

* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

Flow rate: K_v value water [m³/h]: Measured at +20 °C, 1 bar pressure at valve inlet and free outlet.

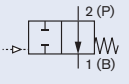
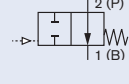
Pressure valves [bar]: Overpressure to the atmospheric pressure

Pressure charts with control function B and flow direction below the seat

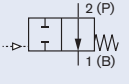
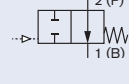


Ordering chart Type 2100, flow direction below the seat (for gases and liquids)

Weld end acc. to EN ISO 1127/ISO 4200, flow direction below the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.	Article no. certified Atex II 2GD Mechanical
A 2/2 way valve, NC 	15	50	21.3 × 1.6	5.2	25	187065	259581
		70	21.3 × 1.6	5.0	25	188680	259582
	20	50	26.9 × 1.6	5.2	16	210399	259583
		70	26.9 × 1.6	5.0	20	188681	259584
	25	50	33.7 × 2	5.2	9	235519	260052
		70	33.7 × 2	5.0	16	188682	260053
	32	70	42.4 × 2	5.0	8.5	188683	260054
		90	42.4 × 2	5.0	16	188684	260055
	40	70	48.3 × 2	5.0	6	188685	260056
		90	48.3 × 2	5.0	16	188686	260057
	50	90	60.3 × 2	5.0	10	283500	283502
		130	60.3 × 2	5.0	16	283501	283503
	65	90	76.1 × 2.3	5.0	5	239459	260061
		130	76.1 × 2.3	5.6	16 (15*)	239475	260066
B 2/2 way valve, NO 	15	50	21.3 × 1.6	see chart on p. 2	16	187069	260069
		70	21.3 × 1.6		16	188697	260074
	20	50	26.9 × 1.6		16	187070	260075
		70	26.9 × 1.6		16	188698	260085
	25	70	33.7 × 2		16	188699	260086
		32	70		42.4 × 2	16	188700
	40	70	48.3 × 2		16	188701	260088
		50	70		60.3 × 2	16	283504
	65	90	76.1 × 2.3		14	239467	260090
		130	76.1 × 2.3		16 (15*)	239482	260091

Weld end acc. to DIN 11850 S2, flow direction below the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve, NC 	15	50	19 × 1.5	5.2	25	187071
		70	19 × 1.5	5.0	25	188703
	20	50	23 × 1.5	5.2	16	227605
		70	23 × 1.5	5.0	20	188704
	25	50	29 × 1.5	5.2	9	227606
		70	29 × 1.5	5.0	16	188705
	32	70	35 × 1.5	5.0	8.5	188706
		90	35 × 1.5	5.0	16	188707
	40	70	41 × 1.5	5.0	6	188708
		90	41 × 1.5	5.0	16	188709
	50	90	53 × 1.5	5.0	10	188710
		130	53 × 1.5	5.0	16	188711
	65	90	70.0 × 2.0	5.0	5	239460
		130	70.0 × 2.0	5.6	16 (15*)	237020
B 2/2 way valve, NO 	15	50	19 × 1.5	see chart on p. 2	16	187075
		70	19 × 1.5		16	188720
	20	50	23 × 1.5		16	187076
		70	23 × 1.5		16	188721
	25	70	29 × 1.5		16	188722
		32	70		35 × 1.5	16
	40	70	41 × 1.5		16	188724
		50	70		53 × 1.5	16
	65	90	70.0 × 2.0		14	239468
		130	70.0 × 2.0		16 (15*)	239483

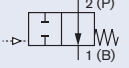












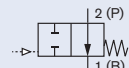









* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

 Further versions on request

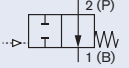












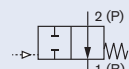









 Control function
I (double-acting)

Ordering chart Type 2100, flow direction below the seat (for gases and liquids), *continued*

Weld end acc. to ASME BPE, flow direction below the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.	
A 2/2 way valve. NC 	15	50	12.7 × 1.65	5.2	25	187077 	
		70	12.7 × 1.65	5.0	25	188726 	
	20	50	19.05 × 1.65	5.2	16	227607 	
		70	19.05 × 1.65	5.0	20	188727 	
	25	50	25.4 × 1.65	5.2	9	227608 	
		70	25.4 × 1.65	5.0	16	188728 	
	40	70	38.1 × 1.65	5.0	6	188729 	
		90	38.1 × 1.65	5.0	16	188730 	
	50	90	50.8 × 1.65	5.0	10	188731 	
		130	50.8 × 1.65	5.0	16	188732 	
	65	90	63.5 × 1.65	5.0	5	239461 	
		130	63.5 × 1.65	5.6	16 (15*)	239478 	
	B 2/2 way valve, NO 	15	50	12.7 × 1.65	see chart on p. 2	16	187082 
			70	12.7 × 1.65		16	188740 
20		50	19.05 × 1.65	16		187083 	
		70	19.05 × 1.65	16		188741 	
25		70	25.4 × 1.65	16		188742 	
40		70	38.1 × 1.65	16		188781 	
50		70	50.8 × 1.65	16		188744 	
65		90	63.5 × 1.65	14		239469 	
		130	63.5 × 1.65	16 (15*)		239484 	

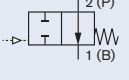









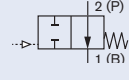









Weld end acc. to SMS 3008, flow direction below the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.	
A 2/2 way valve. NC 	15	50	12 × 1.0	5.2	25	187084 	
		70	12 × 1.0	5.0	25	188745 	
	20	50	18 × 1.0	5.2	16	227609 	
		70	18 × 1.0	5.0	20	188746 	
	25	50	25 × 1.2	5.2	9	227610 	
		70	25 × 1.2	5.0	16	188747 	
	40	70	38 × 1.2	5.0	6	188748 	
		90	38 × 1.2	5.0	16	188749 	
	50	90	51 × 1.2	5.0	10	188750 	
		130	51 × 1.2	5.0	16	188751 	
	65	90	63.5 × 1.65	5.0	5	239462 	
		130	63.5 × 1.65	5.6	16 (15*)	239477 	
	B 2/2 way valve, NO 	15	50	12 × 1.0	see chart on p. 2	16	187089 
			70	12 × 1.0		16	188759 
20		50	18 × 1.0	16		187090 	
		70	18 × 1.0	16		188760 	
25		70	25 × 1.2	16		188761 	
40		70	38 × 1.2	16		188762 	
50		70	51 × 1.2	16		188763 	
65		90	63.5 × 1.65	14		239470 	
		130	63.5 × 1.65	16 (15*)		239485 	

* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

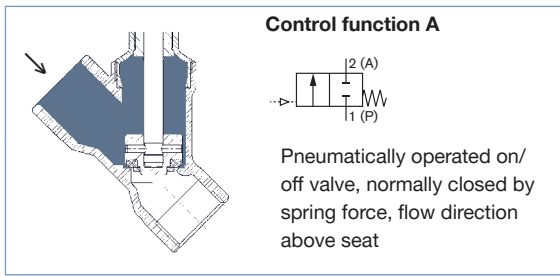
Ordering chart Type 2100, flow direction below the seat (for gases and liquids), *continued*

Weld end acc. to BS 4825, flow direction below the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve, NC 	15	50	12.7 × 1.2	5.2	25	187091 
		70	12.7 × 1.2	5.0	25	188764 
	20	70	19.05 × 1.65	5.0	20	188765 
		25	70	25.4 × 1.65	5.0	16
	40	70	38.1 × 1.65	5.0	6	188729 
		90	38.1 × 1.65	5.0	16	188730 
	50	90	50.8 × 1.65	5.0	10	188731 
		130	50.8 × 1.65	5.0	16	188732 
	65	90	63.5 × 1.65	5.0	5	239461 
		130	63.5 × 1.65	5.6	16 (15*)	239478 
B 2/2 way valve, NO 	15	50	12.7 × 1.2	see chart on p. 2	16	187095 
		70	12.7 × 1.2		16	188778 
	20	50	19.05 × 1.65		16	187096 
		70	19.05 × 1.65		16	188779 
	25	70	25.4 × 1.65		16	188742 
	40	70	38.1 × 1.65		16	188781 
	50	70	50.8 × 1.65		16	188744 
	65	90	63.5 × 1.65		14	239469 
		130	63.5 × 1.65		16 (15*)	239484 

* acc. to the Pressure Equipment Directive 97/23 / EC for compressible fluids in Group 1 (hazardous gases and vapors in accordance with Article 3, Section 1.3, letter a, first dash)

Technical data angle seat valve Type 2100 flow direction above the seat (for gases and steam)



Attention!

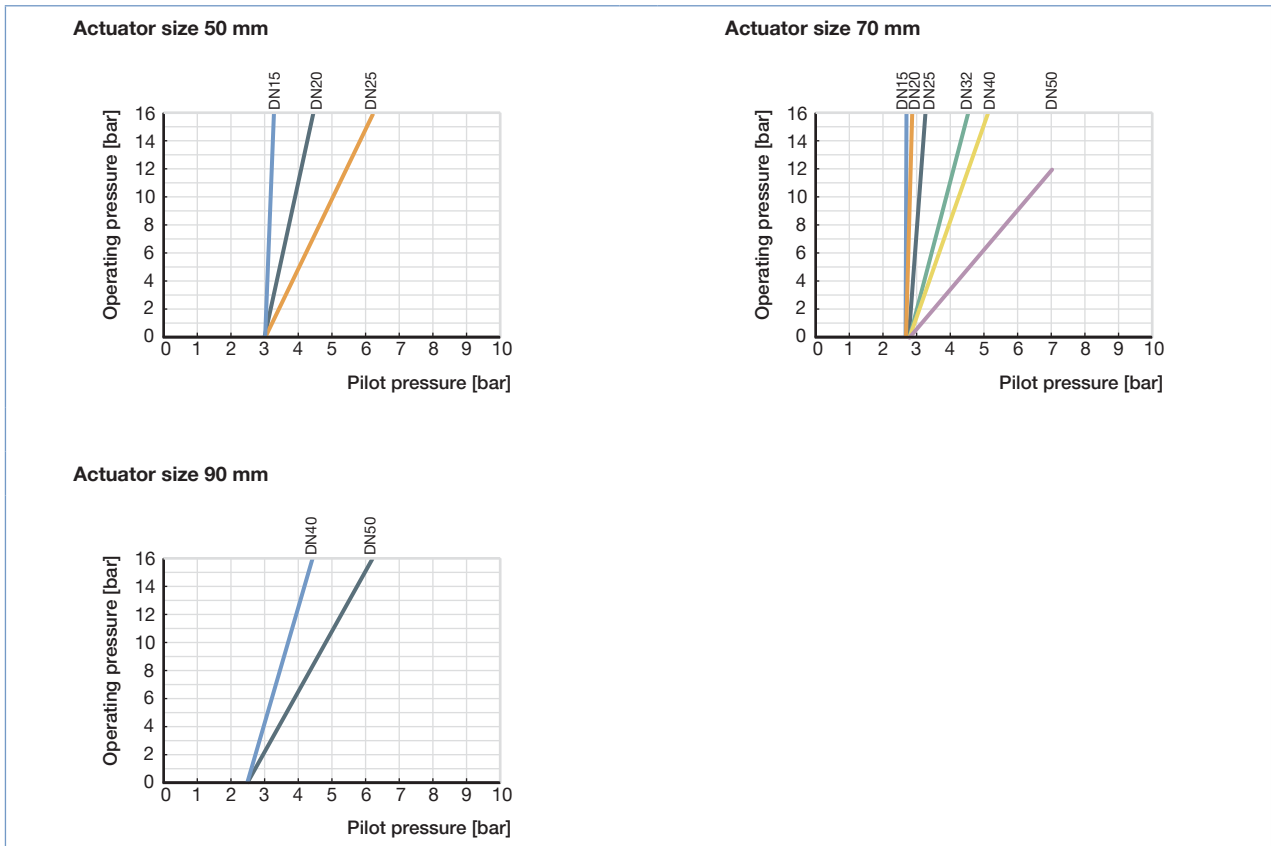
Valves with flow above the seat are only conditionally usable for liquid medium. There is a danger of waterhammer!

Orifice [mm]	Actuator size [mm]	K _v value water (m ³ /h)	Operating pressure up to +185 °C CFA [bar]
15	50	5	16
	70	5.1	16
20	50	10	16
	70	12	16
25	50	15	16
	70	19	16
32	70	28	16
40	70	38	16
	90	40	16
50	70	50	12
	90	55	16

Flow rate: K_v value water [m³/h]: Measured at +20 °C, 1 bar pressure at valve inlet and free outlet.

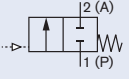






Pressure valves [bar]: Overpressure to the atmospheric pressure

Pressure charts with control function A and flow direction above the seat

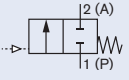








Ordering chart Type 2100 flow direction above the seat (for gases and steam)

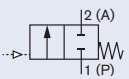





Weld end acc. to EN ISO 1127/ISO 4200, flow direction above the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve. NC 	15	50	21.3 × 1.6	see chart on p. 6	16	187066 
	20	50	26.9 × 1.6		16	187067 
	25	50	33.7 × 2		16	187068 
	32	70	42.4 × 2		16	188692 
	40	70	48.3 × 2		16	188693 
	50	70	60.3 × 2.0		12	274663 

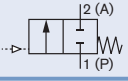





Weld end acc. to DIN 11850 S2, flow direction above the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve. NC 	15	50	19 × 1.5	see chart on p. 6	16	187072 
	20	50	23 × 1.5		16	187073 
	25	50	29 × 1.5		16	187074 
	32	70	35 × 1.5		16	188715 
	40	70	41 × 1.5		16	188716 
	50	70	53 × 1.5		12	188718 

Weld end acc. to ASME BPE, flow direction above the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve. NC 	15	50	12.7 × 1.65	see chart on p. 6	16	187078 
	20	50	19.05 × 1.65		16	187079 
	25	50	25.4 × 1.65		16	187080 
	40	70	38.1 × 1.65		16	188736 
	50	70	50.8 × 1.65		12	188738 

Weld end acc. to SMS 3008, flow direction above the seat

Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve. NC 	15	50	12 × 1.0	see chart on p. 6	16	187085 
	20	50	18 × 1.0		16	187086 
	25	50	25 × 1.2		16	187087 
	40	70	38 × 1.2		16	188755 
	50	70	51 × 1.2		12	188757 

Ordering chart Type 2100 flow direction above the seat (for gases and steam), *continued*

Weld end acc. to BS 4825, flow direction above the seat

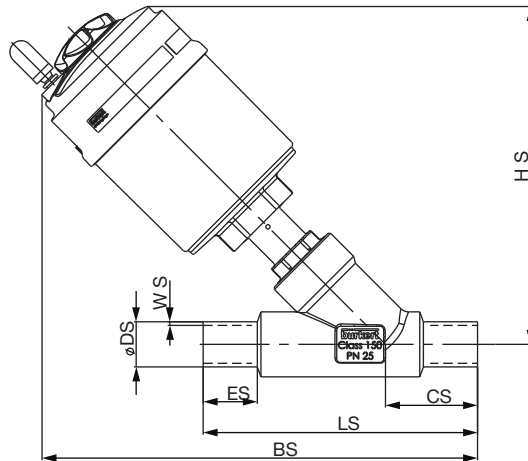
Control function	Orifice (mm)	Actuator size Ø [mm]	Port connection tube Ø [mm]	Minimum pilot pressure [bar]	Operating pressure up to +185 °C [bar]	Article no.
A 2/2 way valve. NC 	15	50	12.7 × 1.2	see chart on p. 6	16	187092
	20	50	19.05 × 1.65		16	187093
	25	50	25.4 × 1.65		16	187080
	40	70	38.1 × 1.65		16	188736
	50	70	50.8 × 1.65		12	188738

Materials angle seat valve Type 2100

	A	Ground terminal	Stainless steel 1.4301/1.4305 <i>Only for the ATEX version</i>
	1	Optical position indicator	Transparent cap polysulfone PSU
	2	Pilot air ports	Push-in connector PP (standard) <i>On request:</i> Thread G 1/8" stainless steel 1.4305
	3	Actuator	PPS
	4	Cover	Stainless steel 1.4561 (316Ti)
	5	Piston seal	FKM
	6	Spring	Stainless steel 1.4310
	7	Pipe	Stainless steel 1.4401 (316)/1.4404 (316L)
	8	Spindle packing	PTFE
	9	Spindle	Stainless steel 1.4401 (316)/1.4404 (316L)
	10	Spindle guide	PEEK
	11	Swivel plate	Stainless steel 1.4401 (316)/1.4404 (316L)
	12	Seals	PTFE
	13	Valve body	EN ISO 1127/ISO4200 and DIN 11850 S2 ASME BPE, SMS 3008 and BS 4825 Part 1 Stainless steel 316L

Lubricants for spindle packing and actuator are classified according NSF H1

Dimensions angle seat valve Type 2100 [mm]

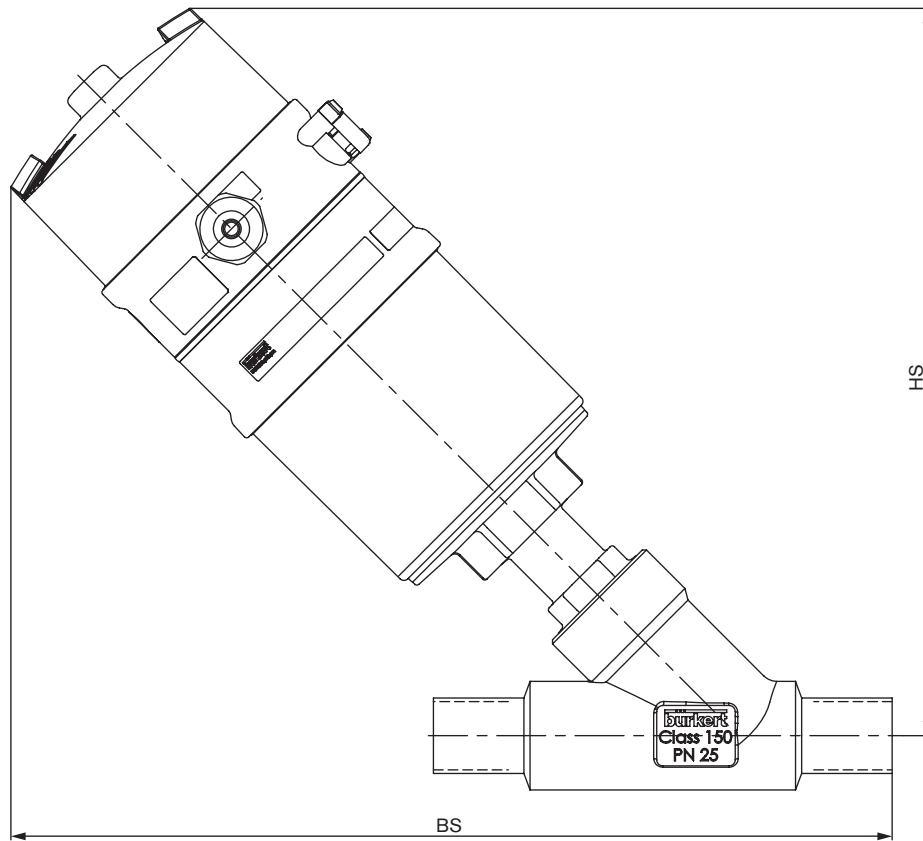


All actuators				ISO 4200					DIN 11850 Series 2				
DN	Actuator size (ø)	HS	BS	CS	LS	ES	ø DS	WS	CS	LS	ES	ø DS	WS
15	D (50)	160	196	34	100	19	21.3	1.6	34	100	19	19.0	1.5
	M (70)	175	212										
20	D (50)	167	209	39	115	20	26.9	1.6	39	115	20	23.0	1.5
	M (70)	182	225										
25	D (50)	172	217	43	130	26	33.7	2	43	130	26	29.0	1.5
	M (70)	188	233										
32	M (70)	195	244	45	145	26	42.4	2	45	145	26	35.0	1.5
	N (90)	240	286										
40	M (70)	201	253	49	160	26	48.3	2	49	160	26	41.0	1.5
	N (90)	245	296										
	P (130)	296	345										
50	M (70)	219	272	50	175	26	60.3	2	50	175	26	53.0	1.5
	N (90)	260	311										
	P (130)	311	361										
65	N (90)	273	324	50	210	26	76.1	2.3	50	210	26	70.0	2.0
	P (130)	324	374										

All actuators				SMS 3008					ASME BPE DIN 11866 Series C					BS4825 Part1				
DN	Actuator size (ø)	HS	BS	CS	LS	ES	ø DS	WS	CS	LS	ES	ø DS	WS	CS	LS	ES	ø DS	WS
15	D (50)	163	212	46	135	30	12.0	1	46	135	30	12.7	1.65	46	135	30	12.7	1.2
	M (70)	178	228															
20	D (50)	171	225	52	145	30	18.0	1	52	145	30	19.05	1.65	52	145	30	19.05	1.2
	M (70)	186	241															
25	D (50)	172	226	51	152	30	25.0	1.2	51	152	30	25.4	1.65	51	152	30	25.4	1.65
	M (70)	188	242															
32	M (70)	197	241	40	145	26	38.0	1.2										
	N (90)	242	283															
40	M (70)	201	264	60	182	30	38.0	1.2	60	182	30	38.1	1.65	60	182	30	38.1	1.65
	N (90)	245	307															
	P (130)	296	356															
50	M (70)	219	287	64	210	30	51.0	1.2	64	210	30	50.8	1.65	64	210	30	50.8	1.65
	N (90)	261	326															
	P (130)	312	376															
65	N (90)	273	330	56	230	26	63.5	1.65	56	230	26	63.5	1.65	56	230	26	63.5	1.65
	P (130)	324	380															

Dimensions for valve system On/Off ELEMENT Type 8801-YE [mm]

Dimensions valve system On/Off ELEMENT Type 8801-YE-K (with pneumatic control unit Type 8690)

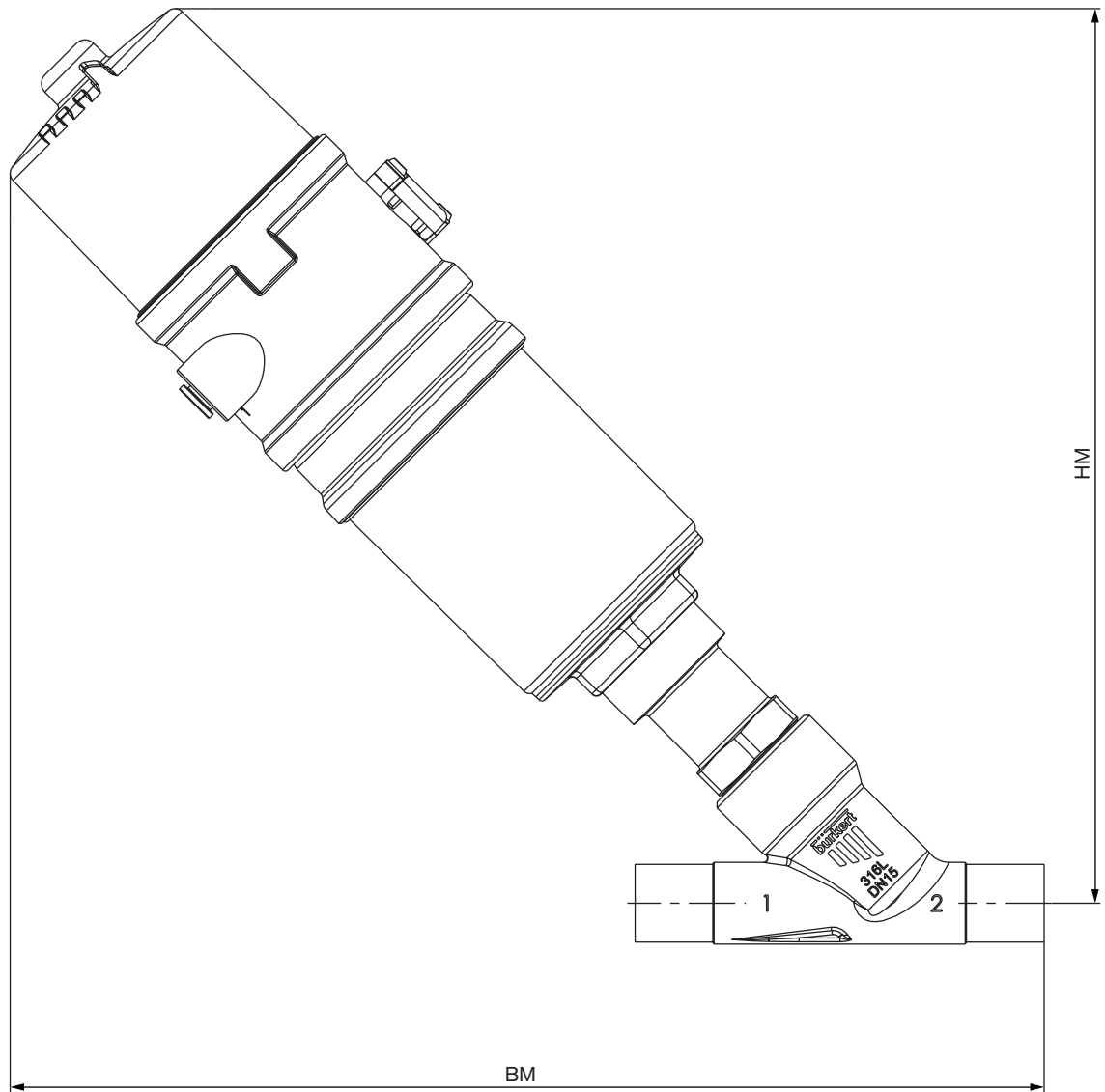


Orifice [mm]	Actuator size [mm]	HS	BS acc. to ISO 4200, DIN 11850 S2, ASME BPE, BS 4825	BS acc. to SMS 3008
15	70	232	270	282
20	70	240	282	295
25	70	242	288	296
32	70	251	295	295
	90	294	335	335
40	70	255	307	318
	90	297	348	359
	130	334	383	394
50	70	273	327	341
	90	313	364	348
	130	350	400	414
65	90	325	376	382
	130	362	412	418

Further dimensions see p. 9

Dimensions for valve system On/Off ELEMENT Type 8801-YE [mm]

Dimensions valve system On/Off ELEMENT Type 8801-YE-K (with pneumatic control unit Type 8697)

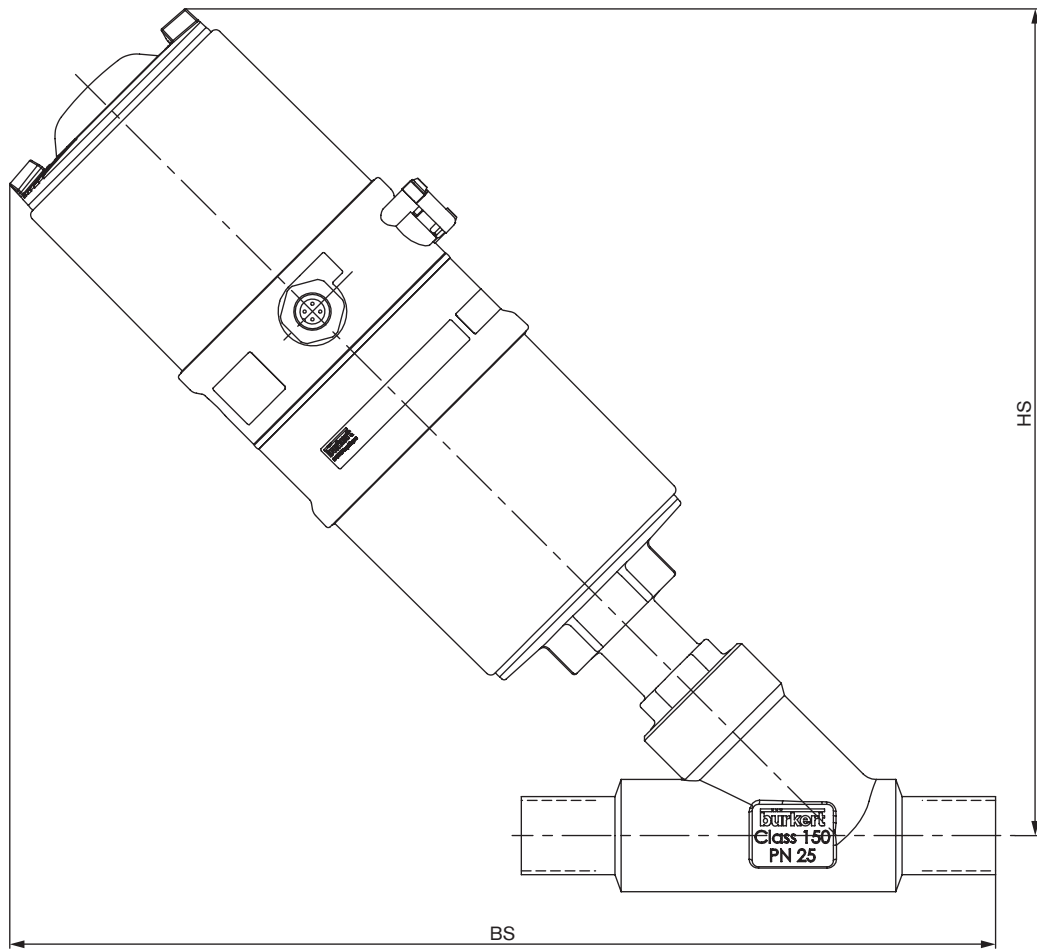


DN [mm]	Actuator size [mm]	HM [mm]	BM [mm]
15	50	219	253
20		227	266
25		231	274

Further dimensions see p. 9

Dimensions for valve system On/Off ELEMENT Type 8801-YE [mm], *continued*

Dimensions valve system On/Off ELEMENT Type 8801-YE-H (with control head Type 8691)

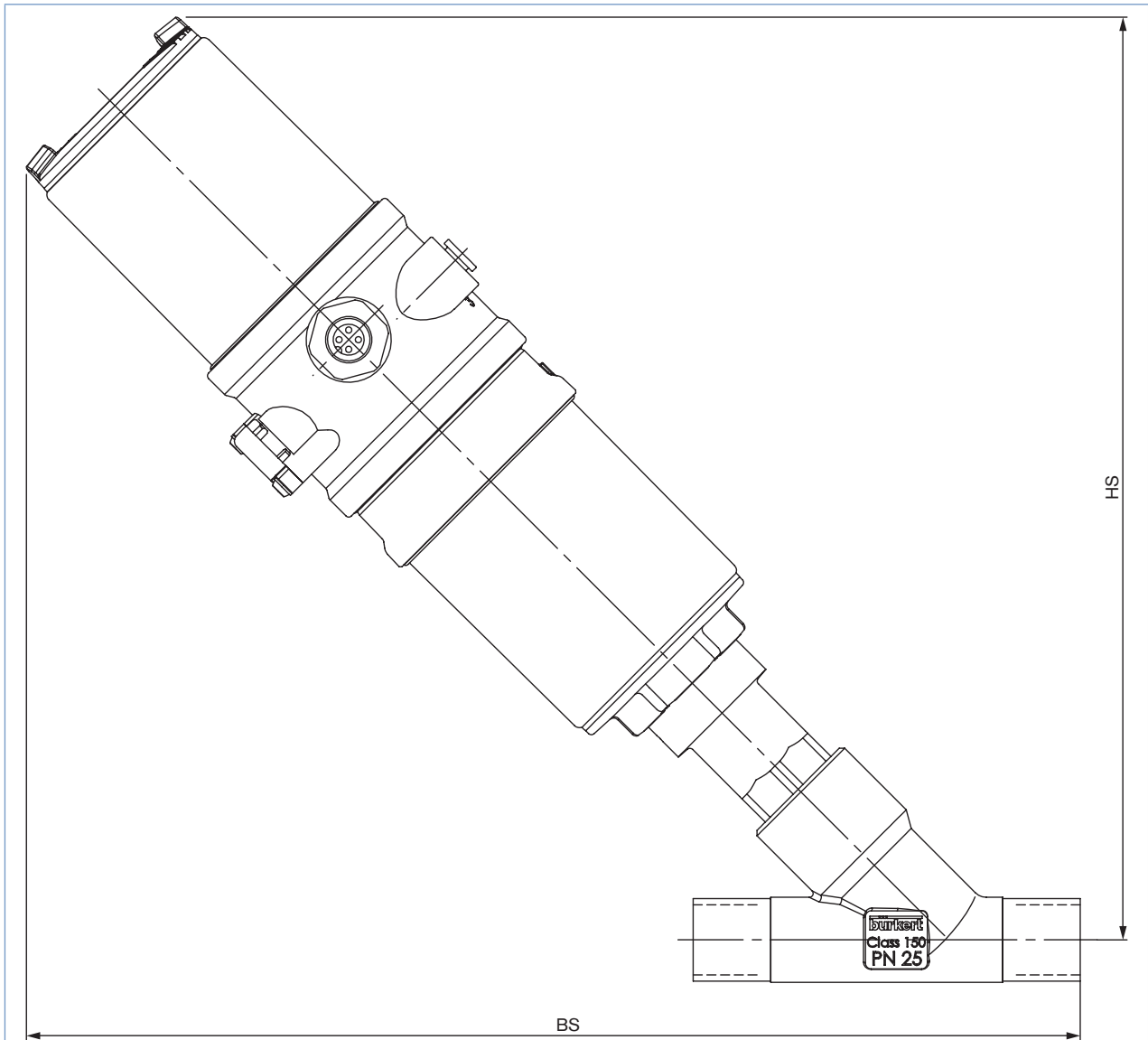


Orifice [mm]	Actuator size [mm]	HS	BS acc. to ISO 4200, DIN 11850 S2, ASME BPE, BS 4825	BS acc. to SMS 3008
15	70	256	294	306
20	70	264	306	319
25	70	266	312	320
32	70	275	319	319
	90	318	359	359
40	70	279	331	342
	90	321	372	383
	130	358	407	418
50	70	297	351	365
	90	337	388	402
	130	374	424	438
65	90	349	400	406
	130	386	436	442

Further dimensions see p. 9

Dimensions for valve system On/Off ELEMENT Type 8801-YE [mm], *continued*

Dimensions valve system On/Off ELEMENT Type 8801-YE-M (with control head Type 8695)



Orifice [mm]	Actuator size [mm]	HS	BS acc. to ISO 4200, DIN 11850 S2, ASME BPE, BS 4825	BS acc. to SMS 3008
15	50	239	276	288
20	50	247	288	301
25	50	248	294	302

Further dimensions see p. 9

Note
You can fill out the fields directly in the PDF file before printing out the form.

Valve system On/Off ELEMENT Type 8801-YE – request for quotation

▶ Please fill out and send to your nearest Bürkert facility* with your inquiry or order

Company	Contact person
Customer no.	Department
Address	Tel./Fax
Postcode/town	E-Mail

= mandatory fields to fill out Quantity Required delivery date

Operating data

Pipe line	DN <input type="text"/>	PN <input type="text"/>
Pipe material	<input type="text"/>	
<input type="checkbox"/> Process medium	<input type="text"/>	
<input type="checkbox"/> Type of media	<input type="checkbox"/> Liquid	<input type="checkbox"/> Steam <input type="checkbox"/> Gas

Valve features

Seal material	<input type="checkbox"/> PTFE	<input type="checkbox"/> NBR	<input type="checkbox"/> Other <input type="text"/>
Nominal pressure	PN <input type="text"/>		
Orifice	DN <input type="text"/>		
Type of connection	<input type="checkbox"/> Threaded	<input type="checkbox"/> Welded	<input type="checkbox"/> Clamp
Standard connection	<input type="checkbox"/> ISO	<input type="checkbox"/> DIN	<input type="checkbox"/> Other <input type="text"/>
Control function	<input type="checkbox"/> NC ¹⁾	<input type="checkbox"/> NO ¹⁾	<input type="checkbox"/> Double-acting
Pilot pressure	<input type="text"/> min.	<input type="text"/> max.	
Atex II 2GD Mechanical	<input type="checkbox"/>		
Please specify article no. (if known):	<input type="text"/>		

¹⁾ NC: normally closed by spring action; NO: normally open by spring action

Continued on next page →

Valve system On/Off ELEMENT Type 8801-YE – request for quotation, *continued*

Automation unit features

Click on the orange box "More info"... you will come to our website for the resp. product where you can download the data sheet.

Control Head		Pneumatic Control Unit / Feedback	
<input type="checkbox"/> Type 8691  For actuator size Ø 70/90/130 mm 	<input type="checkbox"/> Type 8695  For actuator size Ø 50 mm 	<input type="checkbox"/> Type 8690  For actuator size Ø 70/90/130 mm 	<input type="checkbox"/> Type 8697  For actuator size Ø 50 mm 
<ul style="list-style-type: none"> • Inductive position sensor with automatic Teach function • Coloured high power LEDs • With/without pilot valve for single or double-acting actuators • Fieldbus communication • Hygienic stainless steel design 		<ul style="list-style-type: none"> • visual status indicator • Micro- or proximity switches for end position feedback • With/ without pilot valve for single or double-acting actuators • Optional intrinsically safe version acc. to ATEX / IECEx 	
Pneumatic function <input type="checkbox"/> Single-acting <input type="checkbox"/> Double-acting <input type="checkbox"/> Without pilot valve	Electrical connection <input type="checkbox"/> Cable gland <input type="checkbox"/> M12 connector	Pneumatic function <input type="checkbox"/> Single-acting <input type="checkbox"/> Double-acting (only with 8690) <input type="checkbox"/> Without pilot valve	Number of Position feedback switches <input type="checkbox"/> 1x <input type="checkbox"/> 2x
Communication <input type="checkbox"/> AS-Interface <input type="checkbox"/> DeviceNet <input type="checkbox"/> without	Approvals <input type="checkbox"/> ATEX cat. 3GD, IECEx <input type="checkbox"/> without	Position feedback switches <input type="checkbox"/> Micro-switch 24 V DC <input type="checkbox"/> Micro-switch 50 – 225 V DC/AC (only 8697) <input type="checkbox"/> Inductive switch 3-wire PNP <input type="checkbox"/> Inductive switch 2-wire NAMUR <input type="checkbox"/> Inductive switch 2-wire 24 V DC <input type="checkbox"/> without	Electrical connection <input type="checkbox"/> Cable gland <input type="checkbox"/> M12 connector
		Approvals <input type="checkbox"/> ATEX cat. 3GD, IECEx <input type="checkbox"/> ATEX cat. 2DG, IECEx <input type="checkbox"/> without	

Certifications

- Attestation of compliance with the order EN-ISO 10204 2.1 (Article no. 440 788)
- Test report EN-ISO 10204 2.2 (Article no. 803 722)
- Certification of Conformity for Raw Material EN-ISO 10204 3.1 (Included in delivery)
- EN161 (European Gas Device guideline)
- FDA and USP compliance

Comment /sketch

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