


Type 2031 GP
with threaded ports or weld end

Type 2031 GP can be combined with...

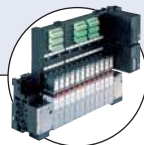

Type 8691

Control head


Type 8690

Pneum. control unit
with feedback

Type 1062

Electrical position
feedback

Type 8640/8644

Valve block


Type 6012/6014 P

Pilot valve


Type 3233

Manually-operated
valve

Pilot controlled diaphragm valve with pneumatically operated piston actuator and valve body from cold-formed stainless steel pipe. Actuator from PA or PPS.

Technical data	
Port Connection	DN 8-50
Body material	Stainless steel 1.4404
Actuator materials	PA polyamide, PPS
Pilot air ports	Stainless steel 1.4305
Seal materials	EPDM, PTFE/EPDM (advanced PTFE/EPDM, FKM on request)
Medium	Neutral gases and liquids, high-purity, sterile, aggressive or abrasive fluids
Viscosity	Up to viscous
Surface finish Glass beaded (internal/external)	(Average surface finish) $Ra \leq 1.6 \mu m$
Medium temperature EPDM, PTFE/EPDM, advanced PTFE/EPDM ¹⁾ (on request) FKM on request	-10 to +130°C (briefly up to +150°C for steam sterilisation) -10 to +130°C
Ambient temperature PA actuator PPS actuator	-10 to +60°C +5 to +140°C (actuator size $\geq 100 \text{ mm}$ +5 to +90°C) briefly up to +140°C
Control medium	Neutral gases; air
Port connections Weld end acc. to Flange acc. to Threaded ports On request clamp acc. to	EN ISO 1127/ISO 4200, DIN 11850 S2 DIN EN 1092-1 G ISO 2852/SMS 3017
Installation	As required, preferably with actuator in upright position

1) Advanced PTFE/EPDM is recommended for sterilization cycle

Content

Valve specifications		System spec. On/Off Classic		Request for quotation	
	Type 2031 GP		Type 8801/8803-DB	Type 8801/8803-DB	
	Technical data & ordering info.		Ordering info. & technical data		
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Technical data, continued

Port Conne- ction	Orifice (Dia- phragm- size)	Kv value water	Actuator size Ø	Pilot pressure [bar]			Max. operating pressure for seal material [bar]		Weight [kg]	
DN					max. with actuator		EPDM, FKM	PTFE/EPDM, advanced PTFE/EPDM	Flange acc. DIN EN 1092-1	Weld end. acc. EN ISO 1127/4200 and threaded port
[mm]	[mm]	[m³/h]	[mm]	min.	PPS	PA				
Flange acc. DIN EN 1092-1, weld end acc. EN ISO 1127/ISO 4200 and threaded port										
8	8	1.0	40	5.0	7	10	10	10	–	0.5
15	15	6.5	50	5.0	7	10	8.5	5	2.1	0.7
		7.0	63	5.0	7	10	10	10	2.3	0.9
20	20	12.0	63	5.5	7	10	10	5	3.0	1.2
		13.0	80	5.0	7	10	10	10	3.5	1.8
25	25	18.0	63	5.0	7	10	3	–	3.5	1.4
		21.0	80	5.5	7	10	10	7.5	4.3	2.2
32	32	33.0	100	5.5	7	10	10	8	6.8	3.7
			100 ¹⁾	3.0	7	10	3.5	–	6.8	3.7
40	40	45.0	100	5.5	7	10	6.5	6	7.4	4.0
			100 ¹⁾	2.5	7	10	1.5	–	7.4	4.0
		46.0	125	5.5	7	7	10	10	9.9	6.5
50	50	56.0	100	5.5	7	10	4.5	2.5	9.2	4.5
		70.0	125	5.5	7	7	8.0	7	11.6	7.0
Weld end acc. DIN 11850 series 2									Weight [kg] weld end acc. DIN 11850 S2	
10	8	1.0	40	5.0	7	10	10	10	0.5	
15	15	4.0	50	5.0	7	10	9	9	0.7	
		4.5	63	5.0	7	10	10	10	0.9	
20	15	4.0	50	5.0	7	10	9	9	1.2	
		4.5	63	5.0	7	10	10	10	1.8	
25	20	12.5	63	5.0	7	10	10	8	1.4	
		13.5	80	5.5	7	10	10	10	2.2	
32	25	17.0	63	5.0	7	10	3	–	3.7	
		18.0	80	5.5	7	10	10	8	3.7	
40	32	24.5	100	5.5	7	10	10	8	4.0	
50	40	35.0	100	5.5	7	10	8	8	4.5	
		37.0	125	5.5	7	7	10	10	7.0	

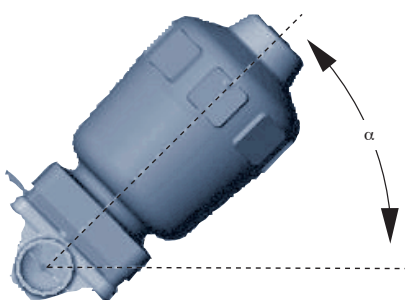
1) With reduced spring force; preferred at lower media pressures

Remark: For low operating pressures we recommend reduced spring versions

Flow rate: Kv-value water (m³/h): Measured at +20°C, 1 bar pressure at valve inlet and free outlet.

Pressure values (bar): Gauge pressures with respect to the prevailing atmospheric pressure.

Recommendation for draining operation

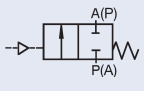


α = 15 up to 35° plus 3° to 5° inclination to the pipe axis.
Installation as required, preferably with actuator in upright position.
Tilted 15 to 35° to the horizontal and inclined 1 to 5° to the flow direction for draining operation.

Ordering chart for valves (other versions on request)

Body with flange connection acc. DIN EN 1092-1

Surface glass-beaded internal/external, average roughness 1.6 µm

Control function	Port Connection [mm] DN	Orifice (Diaphragm size) [mm]	(Amount of holes)	Kv value water [m³/h]	Actuator size Ø [mm]	Min. pilot pressure [bar]	Max. operating pressure [bar]	Item no. PPS actuator	Item no. PA actuator		
A  2/2-way, NC by spring return	Diaphragm material EPDM										
	15	15	flange	6.5	50	5.0	8.5	137 101	137 100		
				7	63	5.0	10	137 103	137 102		
				20	20	12	63	5.5	10	137 107	137 106
						13	80	5.0	10	137 109	137 108
				25	25	18	63	5.0	3.0	137 113	137 112
						21	80	5.5	10	137 115	137 114
				32	32	33	100	5.5	10	137 119	137 118
						33	100 ¹⁾	3.0	3.5	137 121	137 120
				40	40	45	100	5.5	6.5	137 125	137 124
						45	100 ¹⁾	2.5	1.5	137 129	137 128
	50	50	46	125	5.5	10	137 127	137 126			
			56	100	5.5	4.5	137 133	137 132			
			70	125	5.5	8	137 135	137 134			
	Diaphragm material PTFE/EPDM										
	15	15	flange	6.5	50	5.0	5	143 077	143 076		
				7	63	5.0	10	137 105	137 104		
				20	20	12	63	5.5	5	143 085	143 084
						13	80	5.0	10	137 111	137 110
				25	25	21	80	5.5	7.5	137 117	137 116
						32	32	33	100	5.5	8
				40	40	45	100	5.5	6	143 091	143 090
						46	125	5.5	10	137 131	137 130
				50	50	56	100	5.5	2.5	143 095	143 094
						70	125	5.5	7	137 137	137 136

1) With reduced spring force; preferred at lower media pressures



Further versions on request



Materials

Seal: Advanced PTFE/EPDM, FKM



Control function

B normally open, I double-acting actuator



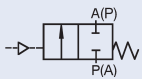
Port connection

Clamp acc. to ISO 2852/SMS 3017

Ordering chart for valves (other versions on request), continued

Body with weld end acc. to EN ISO 1127/ISO 4200

Surface glass-beaded internal/external, average roughness 1.6 µm

Control function	Port Connection [mm] DN	Orifice (Diaphragm size) [mm]	Outer size Ø [mm]	Kv value water [m³/h]	Actuator size Ø [mm]	Min. pilot pressure [bar]	Max. operating pressure [bar]	Item no. PPS actuator	Item no. PA actuator
A  2/2-way, NC by spring return	Diaphragm material EPDM								
	8	8	13.5	1.0	40	5.0	10	135 442	137 094
				6.5	50	5.0	8.5	135 459	141 571
	15	15	21.3	7	63	5.0	10	134 305	141 572
				12	63	5.5	10	135 481	141 580
	20	20	26.9	13	80	5.0	10	134 306	141 581
				18	63	5.0	3.0	135 503	141 586
	25	25	33.7	21	80	5.5	10	134 307	141 587
				33	100	5.5	10	134 308	141 592
	32	32	42.4	33	100 ¹⁾	3.0	3.5	135 533	141 593
				45	100	5.5	6.5	135 548	141 599
	40	40	48.3	45	100 ¹⁾	2.5	1.5	135 563	141 600
				46	125	5.5	10	134 309	141 601
				56	100	5.5	4.5	135 578	141 610
	50	50	60.3	70	125	5.5	8	134 310	141 611
				Diaphragm material PTFE/EPDM					
	8	8	13.5	1.0	40	5.0	10	135 446	137 096
	15	15	21.3	6.5	50	5.0	5	143 055	141 290
				7	63	5.0	10	134 311	141 576
	20	20	26.9	12	63	5.5	5	143 057	143 056
				13	80	5.0	10	134 312	141 583
	25	25	33.7	21	80	5.5	7.5	134 313	141 589
	32	32	42.4	33	100	5.5	8	134 314	141 595
	40	40	48.3	45	100	5.5	6	143 058	141 652
				46	125	5.5	10	134 315	141 605
	50	50	60.3	56	100	5.5	2.5	143 059	143 098
				70	125	5.5	7	134 316	141 614

1) With reduced spring force; preferred at lower media pressures

i Further versions on request
**Materials**

Seal: Advanced PTFE/EPDM, FKM

**Control function**

B normally open, I double-acting actuator

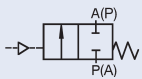
**Port connection**

Clamp acc. to ISO 2852/SMS 3017

Ordering chart for valves (other versions on request), continued

Body with weld end acc. to DIN 11850 S2

Surface glass-beaded internal/external, average roughness 1.6 µm

Control function	Port Connection [mm] DN	Orifice (Diaphragm size) [mm]	Outer size Ø [mm]	Kv value water [m³/h]	Actuator size Ø [mm]	Min. pilot pressure [bar]	Max. operating pressure [bar]	Item no. PPS actuator	Item no. PA actuator
A  2/2-way, NC by spring return	Diaphragm material EPDM								
	10	8	13.0	1.0	40	5.0	10	138 510	138 509
	15	15	19.0	4.0	50	5.0	9	138 514	141 573
				4.5	63	5.0	10	138 516	141 574
	20	15	23.0	4.0	63	5.0	10	138 522	138 521
	25	20	29.0	12.5	63	5.0	10	138 526	138 525
				13.5	80	5.5	10	138 528	138 527
	32	25	35.0	18.0	80	5.5	10	138 534	138 533
	40	32	41.0	24.5	100	5.5	10	138 538	138 537
				24.5	100 ¹⁾	3.0	3.5	138 540	138 539
	50	40	53.0	35	100	5.5	8	138 544	138 543
				35	100 ¹⁾	2.5	1.5	138 548	138 547
				37	125	5.5	10	138 546	138 545
	Diaphragm material PTFE/EPDM								
	10	8	13.0	1.0	40	5.0	10	138 512	138 511
	15	15	19.0	4.0	50	5.0	9	143 081	143 080
				4.5	63	5.0	10	138 518	141 577
	20	15	23.0	4.0	50	5.0	9	143 083	143 082
				4.5	63	5.0	10	138 524	138 523
	25	20	29.0	12.5	63	5.0	8	143 089	143 088
				13.5	80	5.5	10	138 530	138 529
	32	25	35.0	18.0	80	5.5	8	138 536	138 535
	40	32	41.0	24.5	100	5.5	8	138 542	138 541
	50	40	53.0	35	100	5.5	8	143 099	143 060
				37	125	5.5	10	138 550	138 549

1) With reduced spring force; preferred at lower media pressures

i Further versions on request
**Materials**

Seal: Advanced PTFE/EPDM, FKM

**Control function**

B normally open, I double-acting actuator

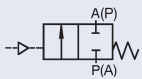
**Port connection**

Clamp acc. to ISO 2852/SMS 3017

Ordering chart for valves (other versions on request), continued

Body with threaded port

Surface glass-beaded internal/external, average roughness 1.6 µm

Control function	Port Connection [mm] DN	Orifice (Diaphragm size) [mm]	Outer size Ø [mm]	Kv value water [m³/h]	Actuator size Ø [mm]	Min. pilot pressure [bar]	Max. operating pressure [bar]	Item no. PPS actuator	Item no. PA actuator
A  2/2-way, NC by spring return	Diaphragm material EPDM								
	8	8	G 1/4	1.0	40	5.0	10	135 443	141 858
	15	15	G 1/2	6.5	50	5.0	8.5	135 461	141 569
				7	63	5.0	10	135 470	141 570
	20	20	G 3/4	12	63	5.5	10	135 483	141 578
				13	80	5.0	10	135 491	141 579
	25	25	G 1	18	63	5.0	3.0	135 505	141 584
				21	80	5.5	10	135 513	141 585
	32	32	G 1 1/4	33	100	5.5	10	135 527	141 590
				33	100 ¹⁾	3.0	3.5	135 535	141 591
	40	40	G 1 1/2	45	100	5.5	6.5	135 550	141 596
				45	100 ¹⁾	2.5	1.5	135 565	141 597
				46	125	5.5	10	135 557	141 598
	50	50	G 2	56	100	5.5	4.5	135 580	141 607
				70	125	5.5	8	135 587	141 608
	Diaphragm material PTFE/EPDM								
	8	8	G 1/4	1.0	40	5.0	10	135 447	137 097
	15	15	G 1/2	6.5	50	5.0	5	143 079	143 078
				7	63	5.0	10	135 474	141 575
	20	20	G 3/4	12	63	5.5	5	143 087	143 086
				13	80	5.0	10	135 493	141 582
	25	25	G 1	21	80	5.5	7.5	135 516	141 588
	32	32	G 1 1/4	33	100	5.5	8	135 542	141 594
	40	40	G 1 1/2	45	100	5.5	6	143 093	143 092
				46	125	5.5	10	135 572	141 604
	50	50	G 2	56	100	5.5	2.5	143 097	143 096
				70	125	5.5	7	135 594	141 613

1) With reduced spring force; preferred at lower media pressures

i Further versions on request
**Materials**

Seal: Advanced PTFE/EPDM, FKM

**Control function**

B normally open, I double-acting actuator

**Port connection**

Clamp acc. to ISO 2852/SMS 3017

Ordering chart for accessories

3/2-way pilot valves with banjo bolts

Seal material valve FKM, seal material banjo bolt NBR

Valve for actuator size [Ø mm]	Type	Pressure inlet P (valve body)	Service port A (banjo bolt)	Orifice [mm]	Q _N value air [l/min]	Pressure range [bar]	Electrical coil connection Ind. Std.	Power consumption [W]	Item no. voltage/frequency [V/Hz]	
									024/DC	230/50
40-50	6012P	G 1/4	G 1/8	1.2	48	0-10	Form B	4	552 295	552 298
63	6012P	Tube fitting ø6 mm	G 1/4	1.2	48	0-10	Form B	4	552 283	552 286
80-125	6014P	G 1/4	G 1/4	2	120	0-10	Form A	8	424 103	424 107

Cable plug Type 2507, Form B or Type 2508, Form A

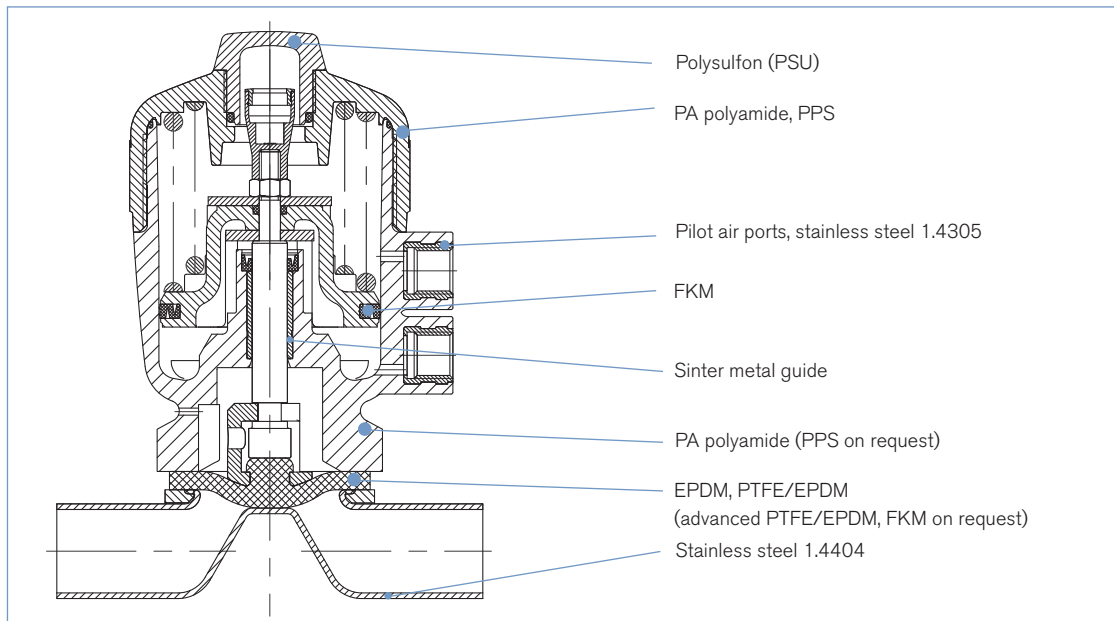
	Item no.
Type 2507, Form B Industrial standard, 0 to 250 V without circuitry (Type 6012 P)	423 845
Type 2508, Form A acc. DIN EN 175301-803, 0 to 250 V without circuitry (Type 6014 P, Type 0331P)	008 376

For further accessories see the datasheet for Type 1062 or the accessories datasheet, Type 2XXX for the full options programme.

Note: For design reasons, some of the accessories cannot be supplied for actuator size Ø 40, 175 and 225 mm. Please request the accessories datasheet Type 2XXX.

Materials

DN 8-50



Approvals

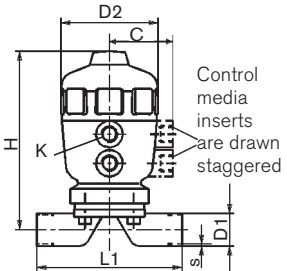
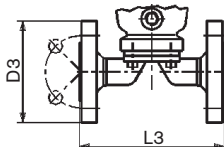
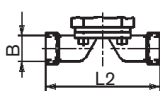
Suitable for foodstuffs



- The composition of the EPDM, PTFE/EPDM and advanced PTFE/EPDM diaphragms corresponds to the *Code of Federal Regulations*, published by the *FDA* (Food and Drug Administration, USA).

Dimensions [mm]

Orifice 8-50

Body with weld end  Flanged body acc. DIN EN 1092-1 overall length acc. to DIN 3203  Body with internal thread 															
Port Connection [mm]	Actuator size ø [mm]	D2	C	H	K	Weld ends acc. to EN ISO 1127/ ISO 4200			DIN 11850 S2			Flange DIN EN 1092-1		Threaded port G-thread	
						D1	L1	s	D1	L1	s	D3	L3	B	L2
8	40	53	34	85	G 1/8	13.5	90	1.6	—	—	—	—	—	G 1/4	85
10	40	53	34	85	G 1/8	—	—	—	12.9	90	1.3	—	—	—	—
15	50	64	39	122	G 1/8	21.3	110	1.6	19	110	1.5	95	130	G 1/2	102
	63	80	52	139	G 1/4	21.3	110	1.6	19	110	1.5	95	130	G 1/2	102
20	50	64	39	124	G 1/8	—	—	—	23	119	1.5	—	—	—	—
	63	80	52	140	G 1/4	—	—	—	23	119	1.5	—	—	—	—
				148	G 1/4	26.9	119	1.6	—	—	—	105	150	G 3/4	118
	80	101	60	174	G 1/4	26.9	119	1.6	—	—	—	105	150	G 3/4	118
25	63	80	52	149	G 1/4	—	—	—	29	129	1.5	—	—	—	—
				157	G 1/4	33.7	129	2	—	—	—	115	160	G 1	127
	80	101	60	170	G 1/4	—	—	—	29	129	1.5	—	—	—	—
				177	G 1/4	33.7	129	2	—	—	—	115	160	G 1	127
32	63	80	52	157	G 1/4	—	—	—	35	148	1.5	—	—	—	—
	80	101	60	177	G 1/4	—	—	—	35	148	1.5	—	—	—	—
	100	127	73	230	G 1/4	42.4	148	2	—	—	—	140	180	G 1 1/4	146
40	100	127	73	235	G 1/4	48.3	161	2	—	—	—	150	200	G 1 1/2	159
				227	G 1/4	—	—	—	41	161	1.5	—	—	—	—
	125	153	86	274	G 1/4	48.3	161	2	—	—	—	150	200	G 1 1/2	159
50	100	127	73	237	G 1/4	—	—	—	53	192	1.5	—	—	—	—
				244	G 1/4	60.3	192	2	—	—	—	165	230	G 2	191
	125	153	86	274	G 1/4	—	—	—	53	192	1.5	—	—	—	—
				278	G 1/4	60.3	192	2	—	—	—	165	230	G2	191

Ordering information for valve system On/Off Classic Type 8801-DB/8803-DB

A valve system On/Off Classic Type 8801-DB/8803-DB consists of a diaphragm valve Type 2031 and a valve actuation system control head Type 8691, a pneumatic control unit Type 8690 or an electrical position feedback Type 1062 (see separate datasheets).

For the configuration of further valve systems please use the "Request for quotation" on p. 14

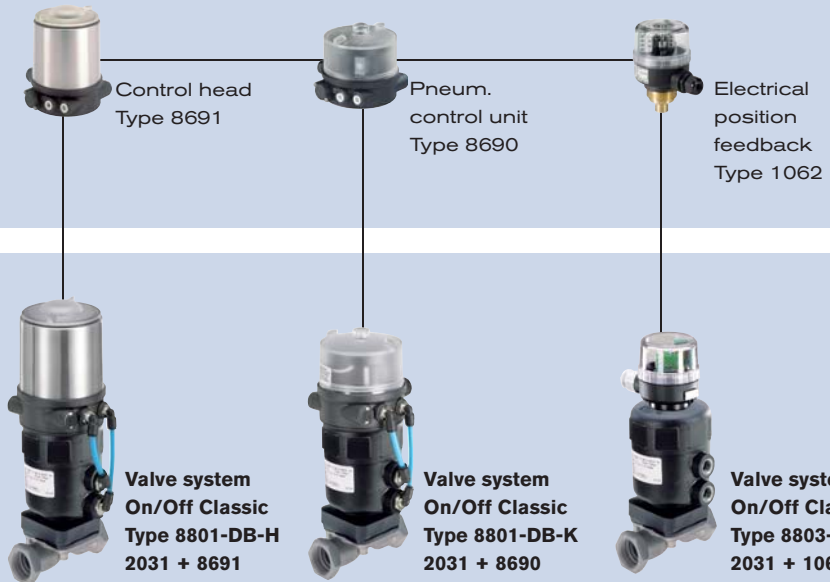
[go to page](#)

You order two components and receive a complete assembled and certified valve.

Ordering the valve system On/Off Classic Type 8801-DB/8803-DB

Diaphragm valve Type 2031 with required port connection

Control units



Membranventil mit gewünschter Ansteuerung

When you click on the orange box "More info." below, you will come to our website for the resp. product where you can download the datasheet.

Control head Type 8691



The new generation of integrated control heads for combination with actuators from the process valve series Type 20xx/21xx is specially designed for the requirements of hygienic process environments. The intelligent control head, Type 8691, detects the valve position by means of a contact-free analog position sensor circumventing excessive wear of mechanical parts. Single or double-acting actuators are controlled via the integral pilot valve. Communication interfaces AS-Interface and DeviceNet are available as options.

Main customer benefits:

- Automatic setting of the control head at the push of a button
- Even under dirty or dark environments, a clearly visible status display due to powerful LEDs
- Monitoring and diagnosis: Process valve systems with field bus interface used in modern plant processes
- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

More info.

Pneumatic control unit Type 8690



The new generation of integrated controllers for combination with actuators from the process valve series Type 20xx/21xx is specially designed for the requirements of hygienic process environments. The pneumatic control unit Type 8690 combines electrical position feedback and pneumatic control for single or double-acting actuators, and is also optionally available as an intrinsically safe model to ATEX.

Main customer benefits:

- Integrated pilot valve with manual actuation
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaptations allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used

More info.

Electrical position feedback Type 1062



Positions are electrically signalized according to switch type:

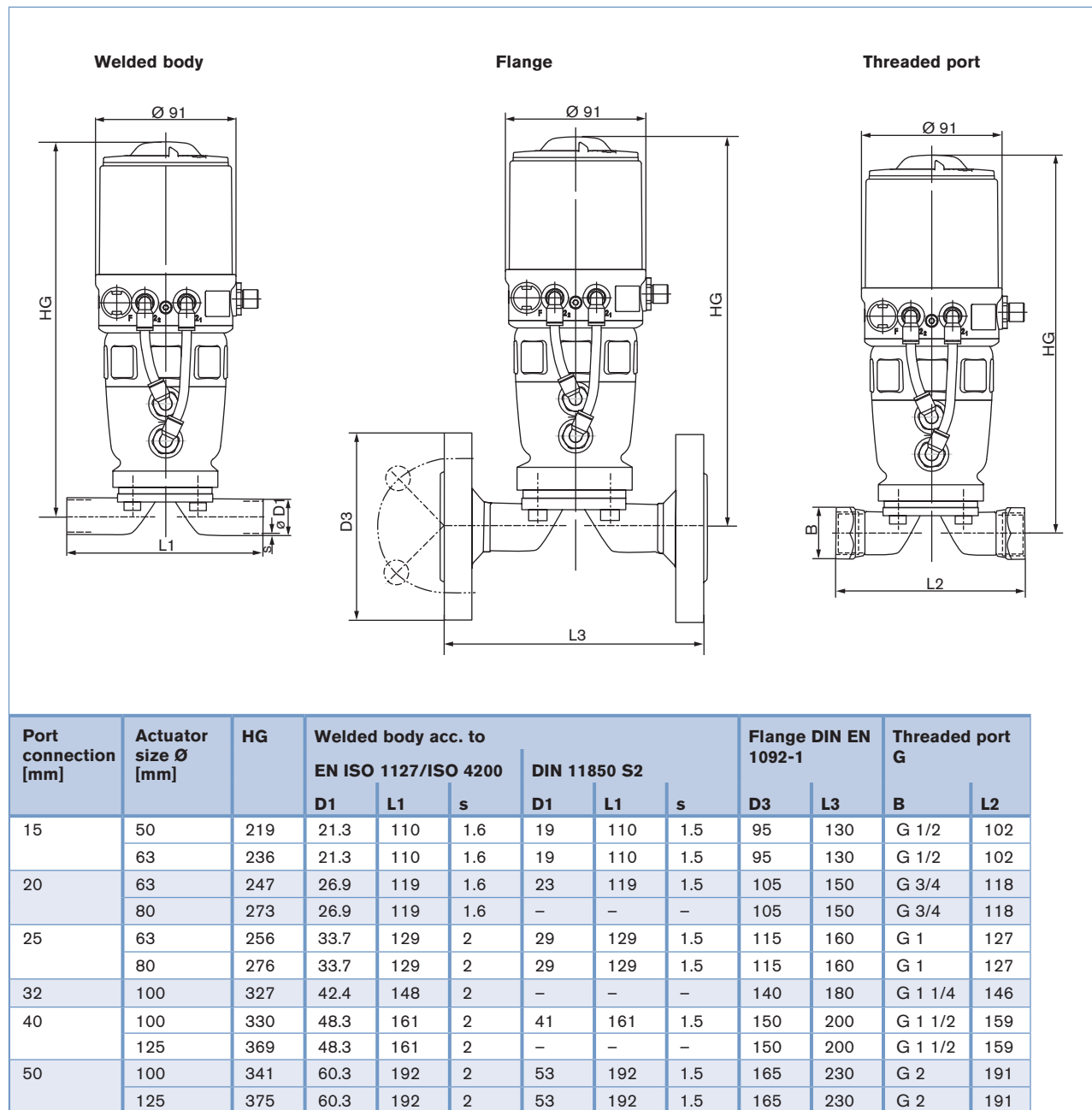
- open,
- closed or
- open and closed.

LEDs provide optical position indication (except for Namur Ex-version). Mechanical or inductive switches are housed in a compact splash-proof enclosure. The position indicator can be rotated 360° and is easily fitted to the valve. Trip cams do not require adjustment. The unit only needs to be screwed on and connected to be ready for operation.

More info.

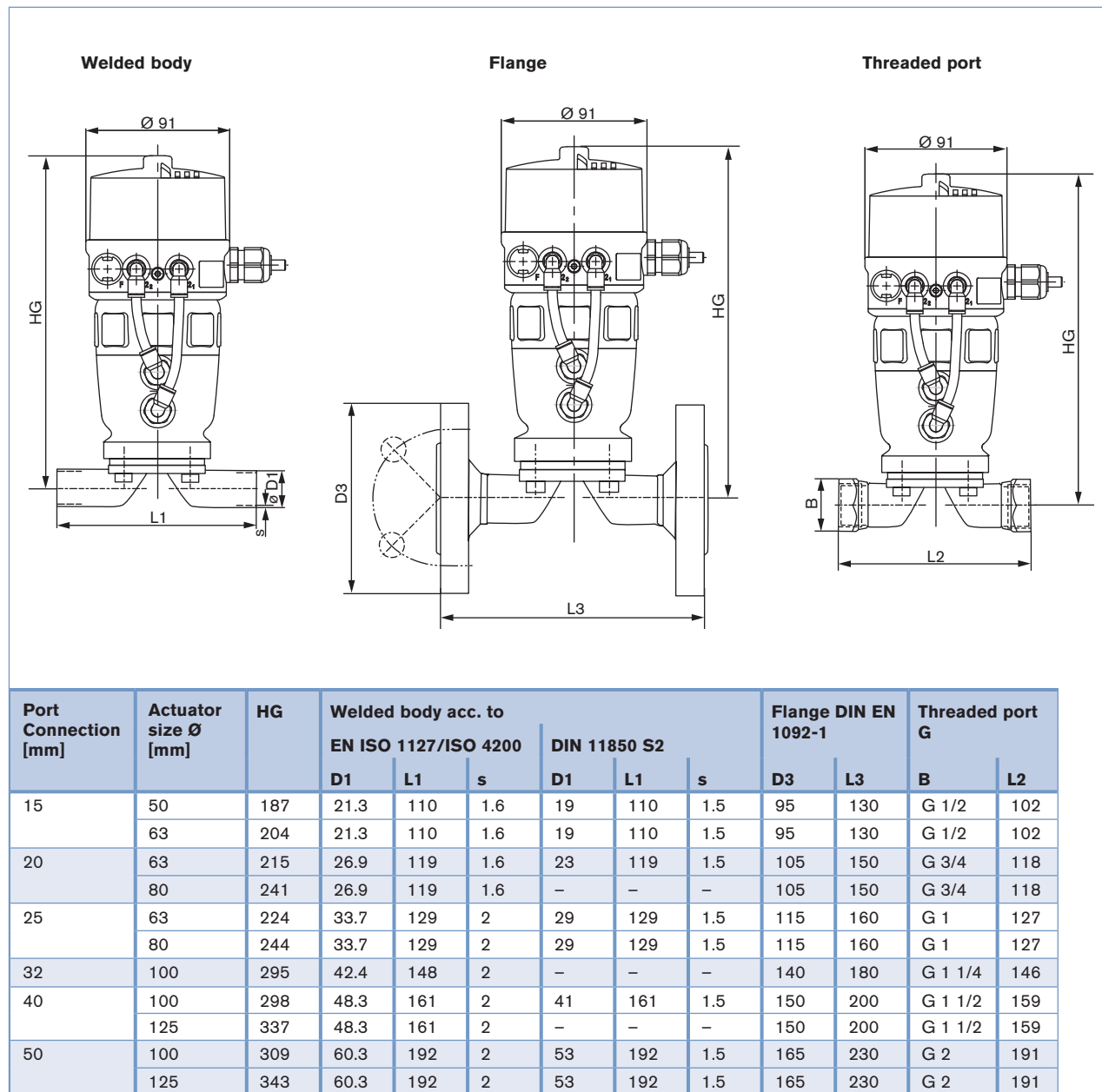
Dimensions for valve system On/Off Classic Type 8801-DB-H [mm]

Dimensions valve system On/Off Classic Type 8801-DB-H with control head Type 8691 [mm]



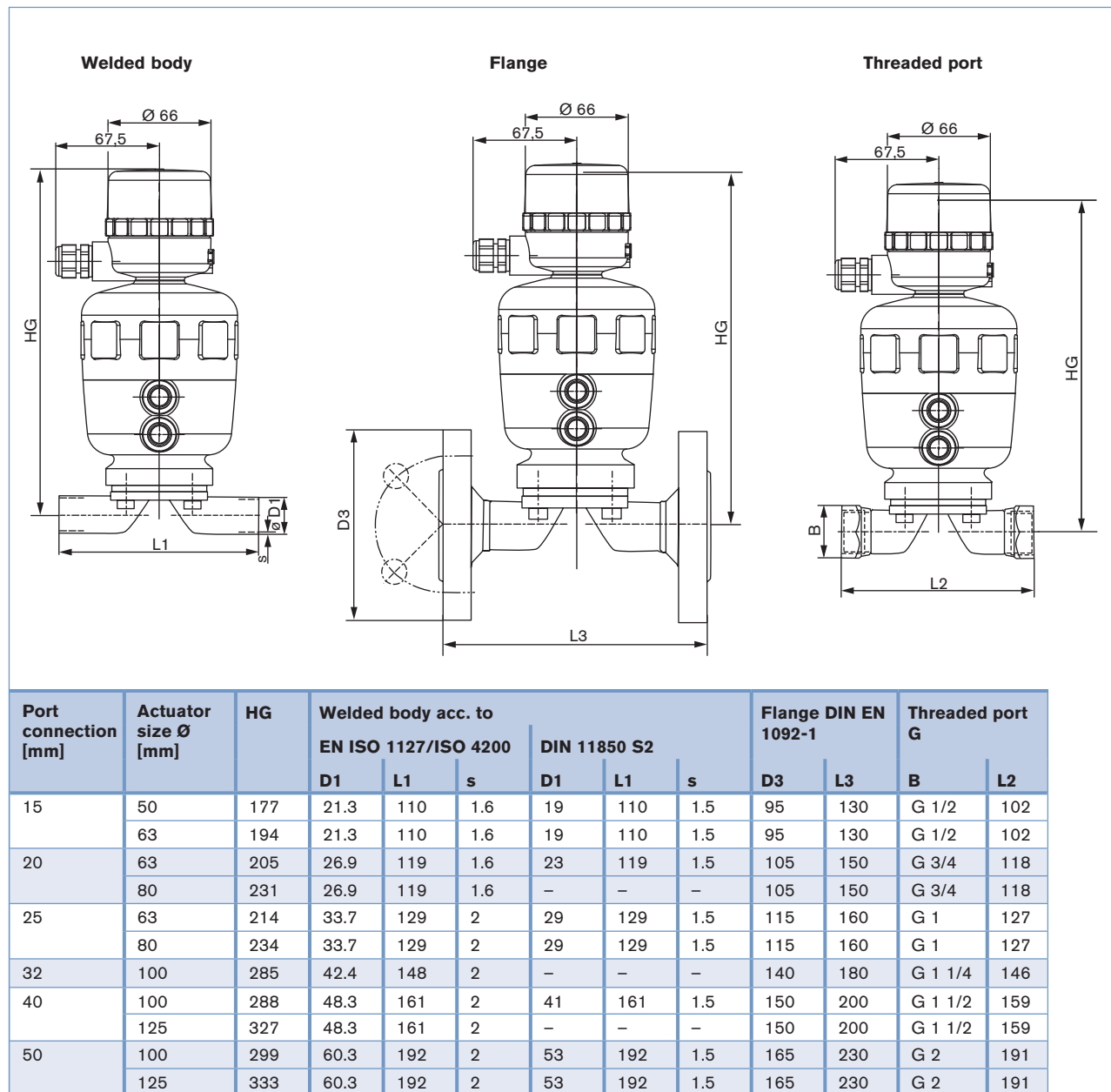
Dimensions for valve system On/Off Classic Type 8801-DB-K [mm]

Dimensions valve system On/Off Classic Type 8801-DB-K with pneumatic control unit Type 8690 [mm]



Dimensions for valve system On/Off Classic Type 8803-DB [mm]

Dimensions valve system On/Off Classic Type 8803-DB with electrical position feedback Type 1062 [mm]



Valve system On/Off Classic Type 8801-DB/8803-DB – 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

Pipeline	DN		PN	
Pipe material				
Process medium				
Type of medium	☐ Liquid	☐ Steam	☐ Gas	
	standard	unit		
Flow rate (Q, Q _N , W) ¹⁾				
Temperature at valve inlet				
Absolute pressure at valve inlet				
Steam sterilisation	temperature			

¹⁾ standard unit: Liquid Q = m³/h; Steam W = kg/h; Gas Q_N = Nm³/h

Valve features

Specification key

automatically transferred from last page

go to page

☐	☐	☐	☐	☐	☐
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Surface finish (if not standard)

internal µm

external µm

Pilot pressure

min.

max.

Control unit features

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

Control head

☐ Type 8691

More info.

Pneumatic function

☐ Single-acting ☐ Double-acting

Pilot air ports

☐ Push-in connector external ø 6 mm or 1/4"

☐ Thread G 1/8"

Communication

☐ ASI

☐ Multipol M12

☐ Flat cable clip, 1 m cable

☐ DeviceNet

Please specify item no. if known:

Pneumatic control unit

☐ Type 8690

More info.

Pneumatic function

☐ Single-acting ☐ Double-acting

☐ Without pilot valve

Position feedback

☐ 1x inductive ☐ 2x inductive

☐ 1x inductive (NAMUR) ☐ 2x inductive (NAMUR)

☐ 1x mechanical ☐ 2x mechanical

Supply voltage

☐ 24 V / DC (ATEX Zone 2/22)

☐ Ex ia IIC T6 (ATEX Zone 1)

Pilot air ports

☐ Push-in connector ☐ Thread G 1/8"
external ø 6 mm or 1/4"

Please specify item no. if known:

Electrical position feedback

☐ Type 1062

More info.

Limit switches

☐ mechanical

☐ Voltage 12-48 V

☐ Voltage 110-250 V

☐ inductive

☐ NAMUR EExi

Status

☐ closed

☐ open

☐ open/closed

Please specify item no. if known:

continued on next page →

Valve system On/Off Classic Type 8801-DB/8803-DB – request for quotation, *cont.*

Control unit features	
Pilot valve	Stroke limitation
☐ Pilot valve	☐ Stroke limitation
Power supply	☐ Min./max. stroke limitation , with visual position indicator
	☐ Max. stroke limitation , without visual position indicator
Please specify item no. if known: 	Please specify item no. if known:

Certifications
☐ Attestation of compliance with the order EN-ISO 10204 2.1 (Item-No. 440 788)
☐ Test report EN-ISO 10204 2.2 (Item-No. 803 722)
☐ EN161 (European Gas Device guideline)
☐ FDA - USP certificate

Comment / sketch

Valve features, specification key

Example

A 15 AB VA SA42 NO05

Specification key

Please make a choice

CONTROL FUNCTION

A	normally closed by spring action
B	normally open by spring action
I	double acting

ORIFICE (Diaphragm size) [mm]

08
15
20
25
32
40
50

SEAL MATERIAL

AB	EPDM in food quality
EA	PTFE/EPDM
FF	FKM
EU	advanced PTFE/EPDM in two pieces
ET	advanced PTFE (bonded on EPDM)

BODY MATERIAL

VA	Cold-formed stainless steel 1.4404/316L
----	--

VARIABLE CODES

Surface finish, internal

NO05	Internal glass beaded Ra=1.6µm
------	--------------------------------



PORT CONNECTION

Welded

Port conn. [mm]	EN ISO 1127/ ISO 4200	DIN 11850 Series 2
8	SA40=13.5x1.6	
10	SA41=17.2x1.6	SD40=13x1.5
15	SA42=21.3x1.6	SD42=19x1.5
20	SA43=26.9x1.6	SD43=23x1.5
25	SA44=33.7x2.0	SD44=29x1.5
32	SA45=42.4x2.0	SD45=35x1.5
40	SA46=48.3x2.0	SD46=41x1.5
50	SA47=60.3x2.0	SD47=53x1.5

Flange

Port conn. [mm]	DIN EN 1092-1
15	FD22 - L=130 mm, Ø=95 mm
20	FD23 - L=150 mm, Ø=105 mm
25	FD24 - L=160 mm, Ø=115 mm
32	FD25 - L=180 mm, Ø=140 mm
40	FD26 - L=200 mm, Ø=150 mm
50	FD27 - L=230 mm, Ø=165 mm

Thread

Port conn. [mm]	G
8	GM82 - G 1/4
15	GM84 - G 1/2
20	GM85 - G 3/4
25	GM86 - G 1
32	GM87 - G 1 1/4
40	GM88 - G 1 1/2
50	GM89 - G 2

Clamp

Port conn. [mm]	ISO 2852 SMS 3017
8	TC51=Clamp 34 - for tube ISO 4200
10	TC41=Clamp 34 - for tube ISO 4200
15	TC42=Clamp 34 - for tube ISO 4200
20	TC43=Clamp 50.5 - for tube ISO 4200
25	TC44=Clamp 50.5 - for tube ISO 4200
40	TC46=Clamp 64 - for tube ISO 4200
50	TC47=Clamp 77.5 - for tube ISO 4200

In case of special application conditions,
please consult for advice.

Subject to alteration.
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