2712 Threaded

2/2-way Globe Control Valve, threaded connection, 3/8" - 3"



- New generation with interchangeable trims,
 3 to 5 Cvs-value per connection port
- Excellent control characteristic
- Ultra compact design

Type 27 12 can be combined with...



Type	0030

Type 1067

Type 8635

Type 8323

Type 8030

Type ST20

Positioner or process controller

Controller SideControl Controller SideControl Pressure transmitter

Flow sensor

Temperature sensor

The 2712 system has been specifically engineered for reliable control in applications where control accuracy is paramount.

The 2712 is made from an all stainless steel valve body combined with Burkert's new generation universal pneumatic actuator.

Each globe valve body can be fitted with three to five sizes of trim sets. These parabolic trims provide a reliable and repeatable characteristic to vary the flow. The control cones are available in either stainless steel or with a durable PTFE seal for tight shut-off.

When actuated by the 1067/8635 SideControls or the 8630 TopControl it forms a unique control valve system which can be operated as either a simple accurate positioner or an autotune PID process controller for flow, temperature or pressure.

Proven Applications

- Fine chemical pressure and flow control
- · High accuracy test bench equipment
- Food, beverage and pharmaceutical CIP/SIP and auxiliary processes with steam
- Pharmaceutical Sterilizers
- Precision distillation apparatus
- Sterile Packaging Machinery

Technical data	
Materials	
Body	Cast stainless steel 316L (conform to 1.4409)
Actuator	PA (polyamide) (PPS on request)
Plug sealing	SS/SS (stainless steel/stainless steel)
	PTFE/SS
Seat leakage acc.	Shut-off class IV for SS/SS
IEC 534-4/EN 1349	Shut-off class VI for PTFE/SS (266°F Max.)
Process media gases and	For neutral gases, water, alcohols, oils, fuels,
liquids (vacuum version on request)	hydraulic liquids, salt solutions, lyes, organic solvents,
	steam, 150 PSI / 365°F (10.3 bar /185°C)
Viscosity	Max. 600 mm²/s; 600 cSt; .93 in²/s
Packing gland	PTFE V-rings (silicone grease) with spring compensation
Nominal pressure	PN 25 (body)
Temperatures	
Fluid	14°F to 365°F (-10°C to +185°C) ¹⁾ (266°F for PTFE/SS sealing recommended)
Ambient	14°F to 140°F (-10°C to +60°C) ¹⁾ Actuators F-80 to H-125
	14°F to 122°F (-10°C to +50°C) Actuators K-175 and L-225
Control media	Compressed air (40 micron filter)
Pilot pressure	79.75 to 101.5 PSI (5.5 to 7 bar) Actuators F-80 to H-125
	72.5 to 87 PSI (5 to 6 bar) Actuators K-175 and L-225
Pilot air ports	G 1/4 stainless steel (SS)
Flow direction	Below seat
Mounting position	Any, preferably upright
Interchangeable seat	Different Cvs-values per port size, see table p.4
Control ratio (Cvs/Cv0)	50:1
	25:1 for orifice DN6
	10:1 for orifice DN4
Port connections	
Threaded	NPT to ANSI B 1.20.1

¹⁾ high temperature version on request



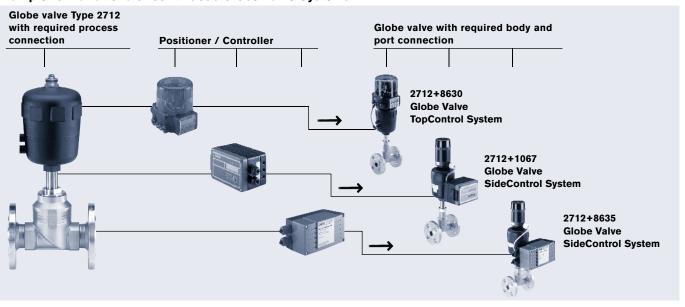
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Globe Valve Systems

A continuous globe valve system consists of a continuous globe valve Type 2712 and a valve actuation system SideControl Type 1067 or Type 8635 or TopControl Type 8630. The positioners are only delivered in combination with an actuator as a part of a complete control valve. The following information is necessary for the selection of a complete Globe Valve System:

- Item no. of the continuous globe valve Type 2712 (see Ordering chart)
- Item no. of the desired positioner Type 8630, 1067 or 8635 (see separate datasheets)

Example for variations of continuous Globe Valve Systems



Valve actuation system: TopControl

TopControl Continuous Type 8630 forms a mechanical and functional unit with the pneumatic actuator. The main parts of the TopControl Continuous are:

- · Positioner and/or process controller in one device, integrated PID (as option)
- Linear potentiometer connects to stem with zero backlash for precise position control.

- · Microprocessor controlled electronics for signal processing, setpoint/process value comparison
- Pneumatic positioning system for single and double-acting actuators with integrated pilot valves
- New process tune function reduces time and costs during PID parameter set up.

Type: 8630 0/4...20 mA 0...5/10 V BUS Device**Net**™

Valve actuation system: SideControl 3-wire

SideControl Type 1067 is a 3-wire process controller and positioner composed of the main functional groups position measuring system, electropneumatic actuator system and microprocessor electronics. Main functional groups of the SideControl are:

- · Positioner and process controller in one device, integrated PID
- Linear potentiometer connects to stem with zero backlash for precise position control.

- · Microprocessor controlled electronics for signal processing, setpoint/process value comparison
- · Pneumatic positioning system for single and double-acting actuators with integrated pilot valves
- Remote versions available for distances up to 330 ft between valve and positioner
- The software function autotune implemented enables automatic adaptation of the positioner to the control valve used.

Type: 1067



Valve actuation system: SideControl 2-wire, intrinsically safe

SideControl Type 8635 is a 2-wire electropneumatic process controller and positioner for pneumatically operated process valves. As an alternative, communi-cation can be effected via HART or PROFIBUS PA.

- Signal processing, control and drive of the internal positioning system are carried out by microprocessor controlled electronics
- The software function autotune implemented enables automatic adaptation of the positioner to the control valve used
- Parametrization and operation are performed comfortably via three keys and a display with plain text, or via HART and PROFIBUS PA
- To build up a decentralized control system, SideControl is equipped with a process controller with PID behaviour. In this case. a process control loop is superimposed on the positioning loop in a cascade structure
- The compact, robust design, the housing is suitable for use in chemical and processengineering
- · New process tune function reduces time and costs during PID parameter set up.

Type: 8635







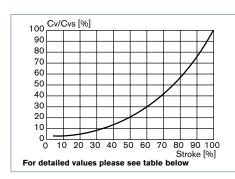


Technical data

Cvs values

Port size (connection)	Actuator size					Ori	fice DN (seat) [mı	m]				
[mm]	[mm]	70	90	80	10	15	20	25	32	40	50	65	88
10	F – 80	0.58	1.39	2.3	3.1	-	-	-	-	-	-	-	_
15	F – 80	0.58	1.39	2.4	3.6	5.0	-	_	-	_	_	_	-
20	F – 80	-	-	-	3.7	6.0	8.2	_	-	_	_	-	-
25	F – 80	-	-	-	-	6.1	8.4	13.9	-	_	-	-	-
40	G-100	-	-	-	-	_	-	15.8	23.4	27.6	-	-	_
50	H-125	-	-	-	-	-	-	-	24.4	28.5	42.9	-	-
65	H-125	-	-	-	-	-	-	-	-	20.3	30.2	60.3	-
65	K-175	-	-	-	-	-	-	-	-	29.6	45.8	71.9	-
80	L-225	-	-	-	-	-	-	-	-	-	48.7	81.2	116

Flow curve and description



Remarks on the flow characteristic

- Equal percent parabolic plug for the orifices DN8...DN100
- Linear plug for the orifices DN4 and DN6
- Flow characteristic runs within DIN/IEC 534-2-4
- Theoretical control ratio (Cvs/Cvo):

50:1 for the orifices DN8...DN100

25:1 for the orifice DN6

10:1 for the orifice DN4

• CVR value at 5% of stroke for DN > 10 mm CVR value at 10% of stroke for DN \leq 10 mm

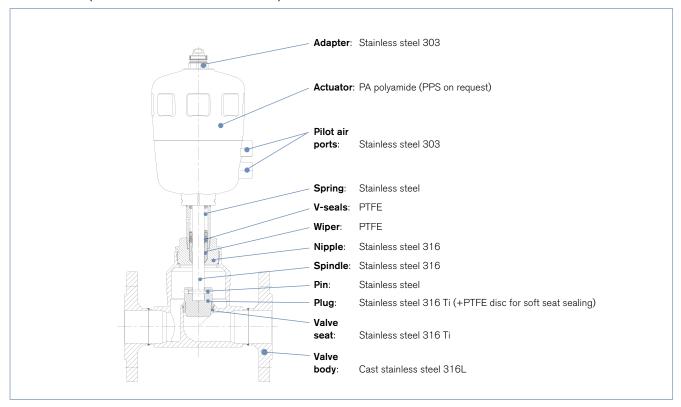
(CVR value = smallest Cv value at which the gradient tolerance to DIN/IEC 534-2-4 is still complied with)

Cv valu	ıes																	
Port si		Orifice	(seat)	Actuator		_			Strok	e [%]	: [%]							
[mm]	[inch]	[mm]	[inch]		5	10	20	30	40	50	60	70	80	90	100			
10	3/8"	4	1/8"	F - 80	0.05	0.06	0.12	0.19	0.26	0.31	0.37	0.42	0.46	0.51	0.58			
		6	3/16"	F- 80	0.06	0.14	0.37	0.56	0.72	0.88	1.02	1.14	1.24	1.31	1.39			
		8	1/4"	F- 80	0.07	0.08	0.10	0.14	0.21	0.30	0.49	0.71	1.07	1.74	2.30			
		10	3/8"	F - 80	0.10	0.13	0.15	0.22	0.35	0.56	0.85	1.16	1.86	2.70	3.10			
15	1/2"	4	1/8"	F - 80	0.05	0.06	0.12	0.19	0.26	0.31	0.37	0.42	0.46	0.51	0.58			
		6	3/16"	F- 80	0.06	0.14	0.37	0.56	0.72	0.88	1.02	1.14	1.24	1.31	1.39			
		8	1/4"	F- 80	0.08	0.09	0.13	0.15	0.22	0.31	0.50	0.73	1.10	1.86	2.40			
		10	3/8"	F - 80	0.10	0.13	0.17	0.22	0.36	0.57	0.87	1.28	1.97	2.90	3.60			
		15	1/2"	F- 80	0.16	0.20	0.26	0.41	0.60	0.93	1.39	2.10	3.10	4.30	5.00			
20	3/4"	10	3/8"	F- 80	0.13	0.14	0.19	0.23	0.38	0.60	0.89	1.39	2.10	3.00	3.70			
		15	1/2"	F - 80	0.16	0.20	0.26	0.41	0.60	0.93	1.39	2.10	3.40	4.60	6.00			
		20	3/4"	F - 80	0.23	0.29	0.35	0.52	0.81	1.28	1.86	2.80	4.10	6.00	8.20			
25	1"	15	1/2"	F - 80	0.16	0.20	0.26	0.41	0.60	0.93	1.39	2.10	3.40	4.80	6.10			
		20	3/4"	F - 80	0.23	0.29	0.36	0.55	0.81	1.28	1.86	2.90	4.40	6.30	8.40			
		25	1"	F- 80	0.41	0.44	0.75	1.16	1.74	2.60	3.90	5.90	8.10	10.9	13.9			
40	1 1/2"	25	1"	G-100	0.46	0.58	0.87	1.28	1.97	3.00	4.40	6.50	9.30	12.4	15.8			
		32	1 1/4"	G-100	0.56	0.70	0.99	1.51	2.40	3.70	5.30	8.00	12.8	17.4	23.4			
		40	1 1/2"	G-100	0.70	0.81	1.28	1.97	3.10	4.60	7.00	10.7	16.0	21.1	27.6			
50	2"	32	1 1/4"	H-125	0.56	0.70	1.04	1.51	2.40	3.70	5.30	8.00	13.5	18.6	24.4			
		40	1 1/2"	H-125	0.70	0.81	1.16	1.97	3.00	4.60	6.80	10.7	16.2	21.9	28.5			
		50	2"	H-125	1.04	1.28	2.20	3.40	5.20	7.90	12.2	18.0	25.5	34.0	42.9			
65	2 1/2"	40	1 1/2"	H-125	0.52	0.75	1.10	1.51	2.20	3.20	4.60	6.40	9.00	13.6	20.3			
		50	2"	H-125	0.81	1.16	1.86	2.80	4.10	5.70	8.00	11.4	16.4	23.1	30.2			
		65	2 1/2"	H-125	0.93	1.51	2.40	3.70	6.40	10.6	17.1	28.4	43.6	52.9	60.3			
		40	1 1/2"	K-175	0.52	0.64	0.99	1.51	2.30	3.60	5.30	7.90	12.4	20.0	29.6			
		50	2"	K-175	0.87	1.04	1.74	2.70	4.10	5.70	8.20	12.8	20.3	30.2	45.8			
		65	2 1/2"	K-175	1.28	1.62	2.40	3.70	5.70	9.30	13.9	21.5	36.5	53.9	71.9			
80	3"	50	2"	L-225	0.99	1.16	1.74	2.70	4.10	5.80	8.20	12.2	18.6	29.0	48.7			
		65	2 1/2"	L-225	1.62	1.97	2.90	4.40	6.60	9.50	14.2	22.6	37.7	58.0	81.2			
		80	3"	L-225	2.40	3.00	4.90	8.10	12.2	18.6	29.0	46.4	69.6	96.3	116			

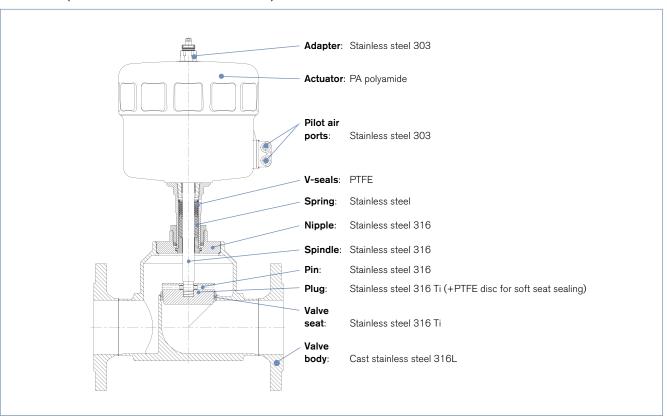


Materials

3/8" - 2 1/2" (actuator sizes F-80 to H-125 mm)



2 1/2" - 3" (actuator sizes K-175 and L-225 mm)



burkert

Ordering chart: Globe Valve System

Threaded Port NPT: ANSI B1.20.1, flow below seat



Port size (tube) Fig. F				0 :::	- D''				
A A 10 3/8" 8 1/4" F-B0 232 146 691 T 146 991 T 17 15 172" 8 1/4" F-B0 232 146 693 T 146 991 T 146 991 T 17 15 172" F-B0 232 146 693 T 146 998 C 146 798 T 146 998 C 147 098 K 148 098 C					e DN	Ē	nre	Ε	Ę.
A A 10 3/8" 8 1/4" F-B0 232 146 691 T 146 991 T 17 15 172" 8 1/4" F-B0 232 146 693 T 146 991 T 146 991 T 17 15 172" F-B0 232 146 693 T 146 998 C 146 798 T 146 998 C 147 098 K 148 098 C	_ =	(tube)		(seat)		ᇹᄐ	issa ⊤°	* ste	ste
A A 10 3/8" 8 1/4" F-B0 232 146 691 T 146 991 T 17 15 172" 8 1/4" F-B0 232 146 693 T 146 991 T 146 991 T 17 15 172" F-B0 232 146 693 T 146 998 C 146 798 T 146 998 C 147 098 K 148 098 C	ontro	Ē	nch]	Ē	nch]	ctuat ze Ø	p. pre +365 •Si]	em no sal sy S/SS	em no sal sy TFE/
10 3/8" F-80 232 146 693 T 146 991 F 146 991 F 16 993 F 16									
15		10	3/8"						
P 2/2-wsy, NC by spring return	A	15	1/0"		1				
T	1 - ,,	10	1/2						
P 2/2-way, NC by spring return	≠								
15	Р	20	3/4"	10	3/8"	F-80	232		147 007 Y
Spring return 20 3/4" F-80 232 146 775 C 147 063 P	2/2-way, NC by					F-80		146 747 G	147 035 K
20 3/4"				20	3/4"	F-80	232	146 775 C	147 063 X
25 1" F-80 232 146 815 M 147 103 Y		25	1"						
Second Part									
25 1" G-100 232 146 827 R 147 117 J 32 1 11/4" G-100 232 146 823 R 147 117 J 47 142 U 40 1 1/2" 25 1" G-100 232 146 823 V 147 129 W 40 1 1/2" G-100 232 146 823 V 147 129 W 40 1 1/2" G-100 232 146 823 V 147 129 W 40 1 1/2" G-100 232 146 823 U 147 122 W 40 1 1/2" H-125 232 146 829 U 147 182 U 148 185 144 155 747 155 968 U 147 182 U 148 185 144 155 747 155 968 U 147 182 U 148 185 144 155 747 155 968 U 147 182 U 148 185 144 155 747 155 968 U 147 182 U 148 185 142 U 156 067 U 147 182 U 148 185 142 U 156 067 U 156 025 U 148 185 142 U 156 067 U 155 06 U									
32		32	1 1/4"						
A									
Second Part		40	1 1/0"						
B 10 3/8" 8 1/4" F-80 232 146 897 L 147 182 L 147 182 L 148		40	1 1/2		-				
Second Part									
A0		50	2"	32		H-125			
B				40		H-125		146 907 S	147 199 V
So 2" H-125 145 155 785 156 005									
B		65	2 1/2"						
## A0					-				
So 2" K-175 217 155 805 156 025									
B 3" 50 2" L-225 181 155 864 156 088 65 2 1/2" L-225 181 155 826 156 042 65 2 1/2" L-225 181 155 883 156 104 80 3" L-225 181 155 883 156 104 80 3" L-225 181 155 883 156 104 80 3" L-225 181 155 917 156 131 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 155 834 156 049 156 131 156 131 156 131 156 131 156					-				
B B B 10 3/8" 8 3" 1-225 181 155 883 156 104 80 3" 1-225 181 155 917 156 137 B B B 10 3/8" 8 11/4" F-80 232 146 677 A 146 963 Z 10 3/8" F-80 232 146 699 H 146 987 V 146 975 V 10 3/8" F-80 232 146 687 V 146 975 V 147 000 D 15 11/2" 8 11/4" F-80 232 146 726 T 147 104 N 147 028 U 2/2-way, NO by spring return 20 3/4" 10 3/8" F-80 232 146 726 T 147 104 N 147 028 U 20 3/4" F-80 232 146 754 F 147 042 S 20 3/4" F-80 232 146 768 M 147 056 Y 20 3/4" F-80 232 146 768 M 147 056 Y 20 3/4" F-80 232 146 796 S 147 084 M 147 085 Y 20 3/4" F-80 232 146 833 P 147 107 08 32 1 1/4" G-100 232 146 833 P 147 123 Q 32 1 1/4" G-100 232 146 859 H 147 149 A 40 1 1/2" 25 1" G-100 232 146 860 M 147 175 U 40 1 1/2" G-100 232 146 886 M 147 175 U 40 1 1/2" H-125 232 146 900 F 147 192 N 50 2" H-125 232 146 926 L 147 220 D 65 2 1/2" H-125 145 155 776 155 978 50 2" K-175 181 155 891 156 111									
B B 10 3/8" B 11/4" F-80 232 146 677 A 146 963 Z 10 3/8" F-80 232 146 699 H 146 997 V 146 975 V 140 975 V		80	3"	50	2"	L-225	181	155 826	156 042
B B B 10 3/8" 8 11/4" F-80 232 146 677 A 146 963 Z 146 689 H 146 987 J 146 975 V 146 975 V 146 975 V 146 975 V 147 970 D 15 1/2" 8 11/4" F-80 232 146 689 H 146 987 J 146 975 V 146 975 V 146 975 V 147 900 D 15 1/2" F-80 232 146 712 V 147 900 D 145 1/2" F-80 232 146 726 T 147 014 N 147 028 U 20 3/4" F-80 232 146 754 F 147 042 S 20 3/4" F-80 232 146 758 F 147 070 A 25 1" 15 1/2" F-80 232 146 758 M 147 056 Y 20 3/4" F-80 232 146 780 M 147 056 Y 20 3/4" F-80 232 146 820 W 147 110 X 32 11/4" 20 3/4" G-100 232 146 833 P 147 123 Q 32 1 1/4" G-100 232 146 833 P 147 123 Q 32 1 1/4" G-100 232 146 860 H 147 136 M 32 1 1/4" G-100 232 146 886 M 147 192 N 40 1 1/2" G-100 232 146 900 F 147 192 N 50 2" 40 1 1/2" H-125 232 146 926 L 147 220 D 65 2 1/2" 40 1 1/2" H-125 145 155 775 155 978 50 2" H-125 145 155 776 155 978 50 2" K-175 181 155 834 156 049 156 111					2 1/2"				
B 15 172" 8 1/4" F-80 232 146 699 H 146 987 J 146 975 V 10 3/8" F-80 232 146 699 H 146 987 J 146 975 V 147 000 D 15 1/2" F-80 232 146 712 V 147 000 D 15 1/2" F-80 232 146 740 M 147 028 U 20 3/4" 10 3/8" F-80 232 146 740 M 147 028 U 20 3/4" F-80 232 146 754 F 147 042 S 20 3/4" F-80 232 146 782 U 147 070 A 25 1" 15 1/2" F-80 232 146 782 U 147 070 A 25 1" F-80 232 146 788 M 147 056 Y 20 3/4" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 788 M 147 084 M 25 1" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 899 G 147 097 J 25 1" F-80 232 146 890 G 147 100 J 25 1" G-100 232 146 899 H 147 149 A 40 1 1/2" G-100 232 146 890 F 147 149 A 40 1 1/2" G-100 232 146 890 F 147 149 A 40 1 1/2" G-100 232 146 890 F 147 149 A 40 1 1/2" G-100 232 146 890 F 147 149 A 40 1 1/2" H-125 232 146 896 M 147 175 U 40 1 1/2" H-125 232 146 914 Q 147 200 C 50 2" H-125 145 155 787 155 978 50 2" H-125 145 155 787 155 978 50 2" H-125 145 155 787 155 815 156 033 65 2 1/2" K-175 181 155 891 156 049				80	3"	L-225	181	155 917	156 137
Table Tabl	В	10	3/8"	8	1/4"	F-80	232	146 677 A	146 963 Z
T	В			10	3/8"		232	146 699 H	146 987 J
T		15	1/2"						
P 2/2-way, NO by spring return 20 3/4" 10 3/8" F-80 232 146 726 T 147 014 N 15 1/2" F-80 232 146 754 F 147 042 S 20 3/4" F-80 232 146 782 U 147 070 A 25 1" 15 1/2" F-80 232 146 768 M 147 056 Y 20 3/4" F-80 232 146 780 W 147 110 X 32 11/4" 20 3/4" F-80 232 146 820 W 147 110 X 32 1 1/4" 20 3/4" G-100 232 146 820 W 147 110 X 32 1 1/4" G-100 232 146 833 P 147 123 Q 32 1 1/4" G-100 232 146 859 H 147 149 A 40 1 1/2" 25 1" G-100 232 146 846 U 147 136 M 32 1 1/4" G-100 232 146 846 W 147 116 W 40 1 1/2" G-100 232 146 886 M 147 175 U 40 1 1/2" H-125 232 146 886 M 147 175 U 40 1 1/2" H-125 145 155 757 155 978 50 2" H-125 145 155 795 156 015 65 2 1/2" H-125 145 155 776 155 996 50 2" K-175 217 155 873 156 095 80 3" 50 2" K-175 181 155 891 156 111	- I NA.								
2/2-way, NO by spring return 25		-00	0/47						
spring return 20 3/4" F-80 232 146 782 U 147 070 A 25 1" 15 1/2" F-80 232 146 768 M 147 084 M 20 3/4" F-80 232 146 796 S 147 084 M 25 1" F-80 232 146 820 W 147 107 X 32 1 1/4" 20 3/4" G-100 232 146 809 G 147 097 J 25 1" G-100 232 146 893 P 147 123 Q 32 1 1/4" G-100 232 146 846 U 147 149 A 40 1 1/2" 25 1" G-100 232 146 846 U 147 149 A 40 1 1/2" G-100 232 146 846 U 147 149 A 40 1 1/2" G-100 232 146 872 W 147 161 W 40 1 1/2" G-100 232 146 896 M 147 175 U 40 1 1/2" H-125 232 146 914 Q 147 206 C 50 2" </td <td>•</td> <td>20</td> <td>3/4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	•	20	3/4						
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32		32	1 1/4"	20	3/4"	G-100	232	146 809 G	147 097 J
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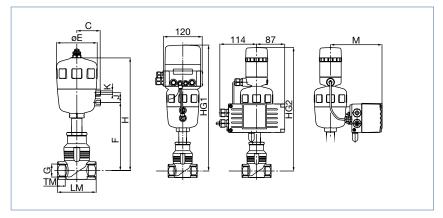


^{*}seal system:
• SS/SS: plug stainless steel/ seat stainless steel
• PTFE/SS: plug PTFE/

seat stainless steel

Dimensions

DN 13-65 (1/2" - 2 1/2")

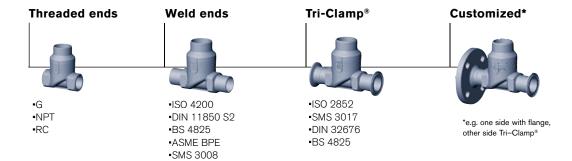


Port size	8630	1067		8635	
[mm]	HG1	HG2	M	HG2	M
10	391	384	145	384	159
15	391	384	145	384	159
20	386	379	145	379	159
25	389	382	145	382	159
32	476	469	158	469	172
40	481	474	158	474	172
50	518	511	171	511	185
65	547	511	171	511	185

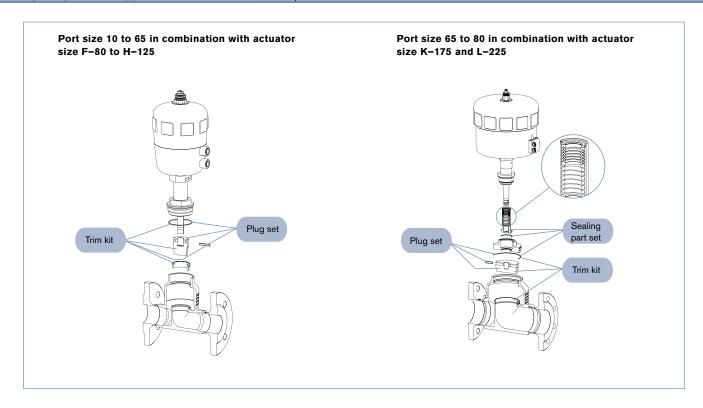
All actuato	ors									NPT	
Port	Actuator										
size [inch]	size	С	E	F	Н	K	J	HG	LM	Size	TM
3/8"	F-80	60	101	166	264	G 1/4	24		65	NPT 3/8	10.3
1/2"	F-80	60	101	166	264	G 1/4	24		65	NPT 1/2	13.7
3/4"	F-80	60	101	180	259	G 1/4	24	chart	75	NPT 3/4	14.0
1"	F-80	60	101	164	262	G 1/4	24		90	NPT 1	16.8
1 1/4"	G-100	73	127	208	346	G 1/4	30	Ve Ve	110	NPT 1 1/4	17.3
1 1/2"	G-100	73	127	213	351	G 1/4	30	bove	120	NPT 1 1/2	17.3
2"	H-125	86	153	225	388	G 1/4	30	ď	150	NPT 2	17.6
2 1/2"	H-125	86	153	254	417	G 1/4	30	ee	-	NPT 2 1/2	_
2 1/2"	K-175	-	211	289	479	G 1/4	24	S	-	NPT 2 1/2	_
3"	L-225	-	261	299	482	G 1/4	24		-	NPT 3	-

¹⁾ Approximately weight with positioner

Further process connections



Spare parts for Type 2712 - DN 10-80 (on request)



Specification sheet for control valves: Please fill out and send to your local Burkert Sales Center* with your inquiry or order

= mandatory fields to fill out				Quanti	ty				Req	uired deli	very date
Operating data											
Site of control											
Measuring and control task											
Pipeline	DN				PN [
Pipe material											
Process medium											
Type of media		Liquid				Steam	1			Gas	
Flow rate (O. Ov. MO.1)		Min		Sta	ndard			Max		uı	nit
Flow rate (Q, Q _N , W) 1)											
Temperature at valve inlet T1 Absolute pressure at valve inlet P1											
Absolute pressure at valve inlet P1 Absolute pressure at valve outlet P2											
Steam pressure Pv											
Kinematic viscosity (v)	L			mm²/s o	r oSt						
Dynamic viscosity (γ)	L			mPa.s or							
Standard density	L			Kg/m ³	OI.						
Max. sound level accepted				dB (A)				1) standard u			
max. Sound level decepted				ub (1)				Liquid Q = r	n³/h; \$	Steam W = K	g/h; Gas QN = Nm³/
Valve features											
Control valve type		Globe	A	ngle seat		iaphragm		Ball valve		Butterfly	Other
Body material		Stainless St	:eel		P	VC		PP		PTFE	Other
Surface finish ²⁾					ir	nternal					external
Seat sealing material		Metal	ПР	TFE	ПЕ	PDM ²⁾		FKM ²⁾			
Nominal pressure	PN										
Nominal size	DN		=								
		Flongo		ocket unio	- V	Velded		Int. thread		Ext. thread	Tri-Clamp®
Type of connection	L	Flange	\equiv		\equiv		\equiv			1	III-Ciamp
Standard connection	L	ISO	$\overline{}$	IN	\equiv	NSI		JIS		Other	
Function	L	NC	∟ N	0		ouble-act	ting				
Pilot pressure 2)Only diaphragm valve	L				'''	nin.					max.
Positioner / Controller											
Positioner / Controller Type 1067 - 3 wire	[Type 8630	- 3 wir	re				Type 863	35 - 2	2 wire	
	n [Type 8630	- 3 wir	re				Type 863			Exia
Type 1067 - 3 wire Valve mounted Remote version	n [Stan	dard	I E	Exia
Type 1067 - 3 wire	n	Power supp	ply 24					Stan Power s	dard	EE	Exia via setpoint or BU
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication	n	Power supp	ply 24 ation	VDC				Stan Power se	dard upply nicat	Ety 24 VDC v	via setpoint or BU
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC	n	Power support Communication Setpoint of the Communication Setpoint Setpoint of the Communication Setpoint Se	ply 24 ation	VDC				Stan Power so Commun	dard upply nicat	I EI y 24 VDC v tion put analog s	via setpoint or BU
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication	n	Power supp	ply 24 ation	VDC unalog sign Profib	us DF			Stan Power se	dard upply nicat	I EI y 24 VDC v tion put analog s	via setpoint or BU signal ofibus PA
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal	n	Power support Communication Setpoint of the Communication Setpoint Setpoint of the Communication Setpoint Se	ply 24 ation utput a	VDC unalog sign Profib Device	us DF			Stan Power so Commun	dard upply nicat outp	y 24 VDC vition put analog s	via setpoint or BU signal ofibus PA
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication	n	Power supp Communic Setpoint/ ou or via BUS	ply 24 ation utput a	VDC unalog sign Profib Device	us DF e Net			Stan Power se Communi Setpoints or via BU	dard upply nicat outp	y 24 VDC vition put analog s	via setpoint or BU signal ofibus PA urt
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version	n	Power supple Communic Setpoint/ or or via BUS	ply 24 ation utput a	VDC unalog sign Profib Devic	ous DF e Net A / 0 -			Stan Power st Commun Setpoints or via BU Positions	dard upply nicat outp	y 24 VDC v tion put analog s Pro Ha ersion 4 - 20 n	via setpoint or BU signal ofibus PA urt
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or	n	Power supple Communic Setpoint/ or or via BUS Positioner Input	ply 24 ation utput a	VDC Inalog sign Profib Devic In V4 - 20 m/ 4 - 20 or/an	ous DF e Net A / 0 - OmA d			Stan Power se Commun Setpoints or via BU Positions	dard upply nicat outp	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n	via setpoint or BU signal ofibus PA ort nA - 20mA r/and
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or Binary	n	Power supple Communic Setpoint/ or or via BUS Positioner of Input Output	ply 24 ation utput a versio	VDC Inalog sign Profib Devic In V4 - 20 m/ 4 - 20 or/an Binar	ous DF e Net A / 0 - OmA d			Stan Power si Commun Setpoints or via BU Position Input Output	dard upply nicat outp	y 24 VDC vition put analog s Pro Haersion 4 - 20 n B	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or Binary PID Controller version ³⁾	n	Power supple Communic Setpoint/ or or via BUS Positioner of Input Output PID Contro	ply 24 ation utput a versio	VDC Inalog sign Profib Devic In V4 - 20 m/ 4 - 20 m/ or/an Binar Ersion ³⁾	ous DF e Net A / 0 - OmA d			Stan Power si Commun Setpoints or via BU Positions Input Output PID Con	dard upply nicat ' outp S er ve	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n 00 Ber version ³	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or Binary		Power supple Communic Setpoint/ or or via BUS Positioner of Input Output	ply 24 ation utput a versio 0	VDC Inalog sigr Profib Device In V4 - 20 m/ 4 - 20 or/an Binar Ersion ³⁾ ignal	e Net A / 0 - OmA d			Stan Power sit Setpoints or via BU Position Input Output PID Con Input mea	dard upply nicat outply S er ve	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n 00 Ber version ³	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20 mA or Binary PID Controller version³ Input measuring signal 4 - 20 mA ³ same setpoint for Input and Output signal as for Positioner	r version	Power supple Communic. Setpoint/ or or via BUS Positioner of Input Output PID Control Input measured 4 - 20 mA /	ply 24 ation utput a versio Co siller ve	VDC Inalog sigr Profib Devic In 0/4 - 20 m/ 4 - 20 or/an Binar ersion³) ignal 0 / Freque	e Net A / 0 - OmA d			Stan Power sit Setpoints or via BU Position Input Output PID Con Input mea	dard upply nicat outply S er ve	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n 3 B er version ³⁾ ng signal	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or Binary PID Controller version ³⁾ Input measuring signal 4 - 20 mA 3) same setpoint for Input and Output signal as for Positioner Please do not forget to fill in the	r version	Power supple Communic. Setpoint/ or or via BUS Positioner of Input Output PID Control Input measured 4 - 20 mA /	ply 24 ation utput a versio Co siller ve	VDC Inalog sign Profib Device In 0/4 - 20 m 4 - 20 or/an Binar ersion³ ignal 0 / Freque DW	ous DF e Net A / 0 - OmA d y	- 5/10 V		Stan Power sit Setpoints or via BU Position Input Output PID Con Input mea	dard upply nicat outply S er ve	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n 3 B er version ³⁾ ng signal	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
Type 1067 - 3 wire Valve mounted Remote version Power supply 24 VDC Communication Setpoint/ output analog signal Positioner version Input 0/4 - 20 mA / 0-10 V Output 4 - 20mA or Binary PID Controller version³ Input measuring signal 4 - 20 mA ³ same setpoint for Input and Output signal as for Positioner Please do not forget to fill in the Company	r version	Power supple Communic. Setpoint/ or or via BUS Positioner of Input Output PID Control Input measured 4 - 20 mA /	ply 24 ation utput a versio Co siller ve	VDC Inalog sign Profib Device In 0/4 - 20 m/ 4 - 20 or/an Binar Prision ³⁾ ignal D / Freque DW Contact	ous DF e Net A / 0 - OmA d y ncy	- 5/10 V		Stan Power sit Setpoints or via BU Position Input Output PID Con Input mea	dard upply nicat outply S er ve	y 24 VDC vition put analog s Pro Ha ersion 4 - 20 n 3 B er version ³⁾ ng signal	via setpoint or BU signal ofibus PA urt nA - 20mA r/and inary
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