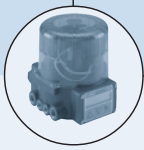


2/2-Way Globe Control Valve, flange connection – DN 10-100

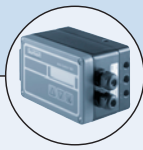


Complete Burkert System using
Type 2712 with TOP Control 8630

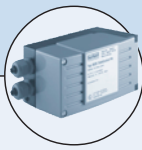
Type 2712 can be combined with...



Type 8630
Positioners



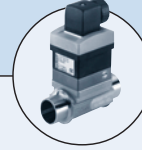
Type 1067
Positioners



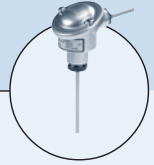
Type 8635
Positioners



Type 8323
Sensors



Type 8030
Sensors



Type ST20
Sensors

- New generation with interchangeable trims, all in stainless steel
- Integrated cascade process controller with PID algorithm
- Automatic self-adjustment of basic parameters means autotune for the valve and for PID
- Quality certifications available

Control valve 2712 consists of a globe valve body with pneumatic piston actuator. The trim is in the form of a parabolic plug/seat system. This results in a favourable characteristic for continuous variation of the flow as a function of the parabolic plug position.

Type 2712 can be actuated by the Continuous TOP Control type 8630 or SIDE Control Type 1067 and 8635. TOP Control/SIDE Control thus forms a mechanical and functional unit with the pneumatic actuator as a complete control valve system. With this control valve system, every need in the continuous control of fluids can be solved.

Target markets

- **Food and Beverage**
*CIP/SIP; Steam; Chilled Water
Auxiliary Processes*
- **Water Treatment**
*Air Control
Chemical Dosing*
- **Cosmetics**
CIP/SIP; Steam; Chilled Water
- **Textile**
Steam; Water; Air; Dyeing

Technical data

Materials		
Body		Cast stainless steel 316 L (conform to 1.4409)
Actuator		PA (polyamide) (PPS on request)
Sealing		SS/SS (steel/steel) PTFE/SS (teflon/steel)
Seat leakage IEC 534-4/ EN 1349		Shut-off class IV for SS/SS Shut-off class VI for PTFE/SS
Process media gases and liquids (vacuum version on request)		For neutral gases, water, alcohols, oils, fuels, hydraulic liquids, salt solutions, lyes, organic solvents, steam (10 bar/+180 °C)
Viscosity		Max. 600 mm ² /s
Packing gland		PTFE V-rings (silicone grease) with spring compensation
Nominal pressure		PN 25 (body)
Temperatures		
Fluid		-10°C ... +180°C ¹⁾ (+130°C for PTFE/SS-sealing)
Ambient		-10°C ... +60°C ¹⁾ Actuators F-80 to H-125 -10°C ... +50°C Actuators K-175 and L-225
Control media		Compressed air
Pilot pressure		5.5 up to 7 bar Actuators F-80 to H-125 5 up to 6 bar Actuators K-175 to L-225
Threads for pilot air		G 1/4 stainless steel (SS)
Flow direction		Below seat
Mounting position		Any, preferably upright
Interchangeable seat		Different Kvs-values per port size
Control ratio (Kvs/KvO)		50:1 25:1 for orifice DN6 10:1 for orifice DN4
Port connections		
Flange	DIN	• DIN EN 1092-1 (DIN 2634 R ²⁾ face-to-face EN 558-1 (DIN 3202)
	ANSI	• ASME B16.5 RF ²⁾ Class 150 face-to-face EN 558-2 (ISA S75.03)
	JIS	• JIS B2238 ordinary type JIS 10K RF ²⁾ face-to-face JIS B2002 serie 20 (ANSI B16.10) (EN 558-2)

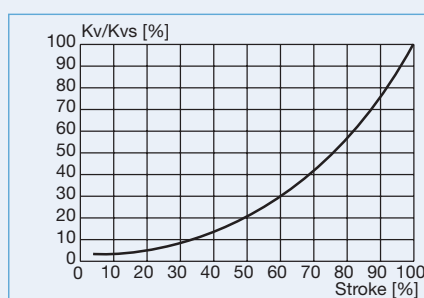
¹⁾ high temperature version on request

²⁾ Raised face (RF)

Kvs values

Port size (tube) [mm]	Actuator size [mm]	Orifice DN (seat) [mm]												
		04	06	08	10	15	20	25	32	40	50	65	80	100
10	F-80	0.5	1.2	2.0	2.7	-	-	-	-	-	-	-	-	-
15	F-80	0.5	1.2	2.1	3.1	4.3	-	-	-	-	-	-	-	-
20	F-80	-	-	-	3.2	5.2	7.1	-	-	-	-	-	-	-
25	F-80	-	-	-	-	5.3	7.2	12.0	-	-	-	-	-	-
32	G-100	-	-	-	-	-	8.0	13.0	17.8	-	-	-	-	-
40	G-100	-	-	-	-	-	-	13.6	20.2	23.8	-	-	-	-
50	H-125	-	-	-	-	-	-	-	21.0	24.6	37.0	-	-	-
65	H-125	-	-	-	-	-	-	-	-	17.5	26.0	52.0	-	-
65	K-175	-	-	-	-	-	-	-	-	25.5	39.5	62.0	-	-
80	L-225	-	-	-	-	-	-	-	-	-	42.0	70.0	100	-
100	L-225	-	-	-	-	-	-	-	-	-	-	75.0	115	140

Flow curve and description



Remarks on the flow characteristic

- Equipercentile 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 (Kvs/Kvo):
 - 50:1 for the orifices DN8...DN100
 - 25:1 for the orifice DN6
 - 10:1 for the orifice DN4
- KVR value at 5% of stroke for DN > 10 mm
KVR value at 10% of stroke for DN ≤ 10 mm
(KVR value = smallest Kv value at which the gradient tolerance to DIN/IEC 534-2-4 is still complied with)

Kv values [m³/h]

Port size (tube)		Orifice (seat)		Actuator	Stroke [%]										
[mm]	[inch]	[mm]	[inch]		5	10	20	30	40	50	60	70	80	90	100
10	3/8"	4	1/8"	F-80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
10	3/8"	6	3/16"	F-80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
10	3/8"	8	1/4"	F-80	0.06	0.07	0.09	0.12	0.18	0.26	0.42	0.61	0.92	1.50	2.00
10	3/8"	10	3/8"	F-80	0.09	0.11	0.13	0.19	0.30	0.48	0.73	1.00	1.60	2.3	2.7
15	1/2"	4	1/8"	F-80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
15	1/2"	6	3/16"	F-80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
15	1/2"	8	1/4"	F-80	0.07	0.08	0.11	0.13	0.19	0.27	0.43	0.63	0.95	1.60	2.1
15	1/2"	10	3/8"	F-80	0.09	0.11	0.15	0.19	0.31	0.49	0.75	1.10	1.70	2.5	3.1
15	1/2"	15	1/2"	F-80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.7	3.7	4.3
20	3/4"	10	3/8"	F-80	0.11	0.12	0.16	0.20	0.33	0.52	0.77	1.20	1.8	2.6	3.2
20	3/4"	15	1/2"	F-80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.0	5.2
20	3/4"	20	3/4"	F-80	0.20	0.25	0.30	0.45	0.70	1.10	1.60	2.4	3.5	5.2	7.1
25	1"	15	1/2"	F-80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.1	5.3
25	1"	20	3/4"	F-80	0.20	0.25	0.31	0.47	0.70	1.10	1.60	2.5	3.8	5.4	7.2
25	1"	25	1"	F-80	0.35	0.38	0.65	1.00	1.50	2.2	3.4	5.1	7.0	9.4	12.0
32	1 1/4"	20	3/4"	G-100	0.22	0.25	0.35	0.50	0.75	1.10	1.60	2.5	3.8	5.8	8.0
32	1 1/4"	25	1"	G-100	0.40	0.47	0.73	1.10	1.60	2.5	3.7	5.4	7.5	10.3	13.0
32	1 1/4"	32	1 1/4"	G-100	0.48	0.60	0.85	1.30	2.1	3.1	4.5	6.8	10.2	14.0	17.8
40	1 1/2"	25	1"	G-100	0.40	0.50	0.75	1.10	1.70	2.6	3.8	5.6	8.0	10.7	13.6
40	1 1/2"	32	1 1/4"	G-100	0.48	0.60	0.85	1.30	2.1	3.2	4.6	6.9	11.0	15.0	20.2
40	1 1/2"	40	1 1/2"	G-100	0.60	0.70	1.10	1.70	2.7	4.0	6.0	9.2	13.8	18.2	23.8
50	2"	32	1 1/4"	H-125	0.48	0.60	0.90	1.30	2.1	3.2	4.6	6.9	11.6	16.0	21.0
50	2"	40	1 1/2"	H-125	0.60	0.70	1.00	1.70	2.6	4.0	5.9	9.2	14.0	18.9	24.6
50	2"	50	2"	H-125	0.90	1.10	1.90	2.9	4.5	6.8	10.5	15.5	22.0	29.3	37.0
65	2 1/2"	40	1 1/2"	H-125	0.45	0.65	0.95	1.30	1.90	2.8	4.00	5.50	7.8	11.7	17.5
65	2 1/2"	50	2"	H-125	0.70	1.00	1.60	2.4	3.5	4.9	6.90	9.80	14.1	19.9	26.0
65	2 1/2"	65	2 1/2"	H-125	0.80	1.30	2.1	3.2	5.5	9.1	14.7	24.5	37.6	45.6	52.0
65	2 1/2"	40	1 1/2"	K-175	0.45	0.55	0.85	1.30	2.0	3.1	4.60	6.80	10.7	17.2	25.5
65	2 1/2"	50	2"	K-175	0.75	0.90	1.50	2.3	3.5	4.9	7.1	11.0	17.5	26.0	39.5
65	2 1/2"	65	2 1/2"	K-175	1.10	1.40	2.1	3.2	4.9	8.0	12.0	18.5	31.5	46.5	62.0
80	3"	50	2"	L-225	0.85	1.00	1.50	2.3	3.5	5.0	7.1	10.5	16.0	25.0	42.0
80	3"	65	2 1/2"	L-225	1.40	1.70	2.5	3.8	5.7	8.2	12.2	19.5	32.5	50.0	70.0
80	3"	80	3"	L-225	2.1	2.6	4.2	7.0	10.5	16.0	25.0	40.0	60.0	83.0	100
100	4"	65	2 1/2"	L-225	1.40	1.70	2.6	3.8	5.7	8.3	12.6	20.0	32.0	51.0	75.0
100	4"	80	3"	L-225	2.1	2.6	4.3	7.0	11.0	17.0	26.5	44.0	65.0	89.0	115
100	4"	100	4"	L-225	3.2	3.9	5.7	9.0	13.5	20.5	32.0	51.0	83.0	118	140

Ordering chart: Globe Valve Systems

Flange: DIN 2634, face-to-face EN 558-1 (DIN 3202), flow below seat



Circuit function	Port size (tube) [mm]	Orifice DN (seat) [mm]	Actuator size Ø [mm]	Op. pressure +180°C [bar]	Item no. seal system SS/SS*	Item no. seal system PTFE/SS*
A 	10	4	F-80	16.0	146 646	–
	10	6	F-80	16.0	156 253	–
	10	8	F-80	16.0	146 669	146 955
	10	10	F-80	16.0	146 691	146 979
	15	4	F-80	16.0	146 658	–
	15	6	F-80	16.0	156 261	–
	15	8	F-80	16.0	146 681	146 967
	15	10	F-80	16.0	146 703	146 991
	15	15	F-80	16.0	146 731	147 019
	20	10	F-80	16.0	146 717	147 005
	20	15	F-80	16.0	146 745	147 033
	20	20	F-80	16.0	146 773	147 061
	25	15	F-80	16.0	146 759	147 047
	25	20	F-80	16.0	146 787	147 075
	25	25	F-80	16.0	146 813	147 101
	32	20	G-100	16.0	146 801	147 089
	32	25	G-100	16.0	146 825	147 115
	32	32	G-100	16.0	146 851	147 141
	40	25	G-100	16.0	146 837	147 127
	40	32	G-100	16.0	146 863	147 153
	40	40	G-100	16.0	146 891	147 180
	50	32	H-125	16.0	146 877	147 166
	50	40	H-125	16.0	146 905	147 197
	50	50	H-125	16.0	146 200	147 211
	65	40	H-125	15.0	155 744	155 965
	65	50	H-125	15.0	147 469	156 002
	65	65	H-125	10.0	155 839	156 064
	65	40	K-175	15.0	155 764	155 985
	65	50	K-175	15.0	155 802	156 022
	65	65	K-175	15.0	155 860	153 878
	80	50	L-225	12.5	155 822	156 039
	80	65	L-225	12.5	155 879	156 101
	80	80	L-225	12.5	155 914	156 134
	100	65	L-225	10.0	155 896	156 116
	100	80	L-225	10.0	155 931	156 150
	100	100	L-225	10.0	155 277	156 167
B 	10	4	F-80	16.0	146 652	–
	10	6	F-80	16.0	156 257	–
	10	8	F-80	16.0	146 675	146 961
	10	10	F-80	16.0	146 697	146 985
	15	4	F-80	16.0	146 664	–
	15	6	F-80	16.0	156 264	–
	15	8	F-80	16.0	146 685	146 973
	15	10	F-80	16.0	146 710	146 998
	15	15	F-80	16.0	146 738	147 026
	20	10	F-80	16.0	146 724	147 012
	20	15	F-80	16.0	146 752	147 040
	20	20	F-80	16.0	146 780	147 068
	25	15	F-80	16.0	146 766	147 054
	25	20	F-80	16.0	146 794	147 082
	25	25	F-80	16.0	146 818	147 108
	32	20	G-100	16.0	146 807	147 095
	32	25	G-100	16.0	146 831	147 121
	32	32	G-100	16.0	146 857	147 147
	40	25	G-100	16.0	146 844	147 134
	40	32	G-100	16.0	146 870	147 159
	40	40	G-100	16.0	146 898	147 190
	50	32	H-125	16.0	146 884	147 173
	50	40	H-125	16.0	146 912	147 204
	50	50	H-125	16.0	146 924	147 218
	65	40	H-125	15.0	155 754	155 975
	65	50	H-125	15.0	155 792	156 012
	65	65	H-125	10.0	155 849	156 074
	65	40	K-175	15.0	155 773	155 993
	65	50	K-175	15.0	155 812	156 030
	65	65	K-175	15.0	155 870	156 092
	80	50	K-175	12.5	155 831	156 046
	80	65	K-175	12.5	155 888	156 108
	80	80	K-175	12.5	155 923	156 142
	100	65	K-175	10.0	155 906	156 124
	100	80	K-175	10.0	155 940	156 158
	100	100	K-175	10.0	155 956	156 175

Valves with port size 65-100 mm for an operating pressure up to 16 bar on request.

*seal system:

- SS/SS: plug stainless steel/ seat stainless steel
- PTFE/SS: plug PTFE/ seat stainless steel

Ordering chart: Globe Valve Systems

Flange: ASME B16.5 Class 150, face-to-face EN 558-2 (ISA S75.03), flow below seat



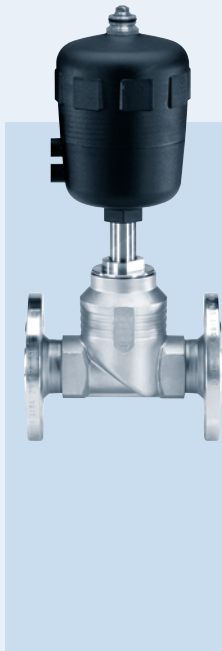
Circuit function	Port size (tube)		Orifice DN (seat)		Actuator size Ø [mm]	Op. pressure +180°C [bar]	Item no. seal system SS/SS*	Item no. seal system PTFE/SS*
	[mm]	[inch]	[mm]	[inch]				
A 	15	1/2"	4	1/8"	F-80	16.0	461 491	–
	15	1/2"	6	3/16"	F-80	16.0	461 492	–
	15	1/2"	8	1/4"	F-80	16.0	146 680	146 966
	15	1/2"	10	3/8"	F-80	16.0	146 702	146 990
	15	1/2"	15	1/2"	F-80	16.0	146 730	147 018
	20	3/4"	10	3/8"	F-80	16.0	146 716	147 004
	20	3/4"	15	1/2"	F-80	16.0	146 744	147 032
	20	3/4"	20	3/4"	F-80	16.0	146 772	147 060
	25	1"	15	1/2"	F-80	16.0	146 758	147 046
	25	1"	20	3/4"	F-80	16.0	146 786	147 074
	25	1"	25	1"	F-80	16.0	146 812	147 100
	40	1 1/2"	25	1"	G-100	16.0	146 836	147 126
	40	1 1/2"	32	1 1/4"	G-100	16.0	146 862	147 152
	40	1 1/2"	40	1 1/2"	G-100	16.0	146 890	147 179
	50	2"	32	1 1/4"	H-125	16.0	146 876	147 165
	50	2"	40	1 1/2"	H-125	16.0	146 904	147 196
	50	2"	50	2"	H-125	16.0	146 918	147 210
	65	2 1/2"	40	1 1/2"	H-125	16.0	155 743	155 964
	65	2 1/2"	50	2"	H-125	16.0	155 782	156 001
	65	2 1/2"	65	2 1/2"	H-125	10.0	155 838	156 063
	65	2 1/2"	40	1 1/2"	K-175	16.0	155 763	155 984
	65	2 1/2"	50	2"	K-175	16.0	155 801	156 021
	65	2 1/2"	65	2 1/2"	K-175	16.0	155 859	156 084
	80	3"	50	2"	K-225	16.0	155 821	156 038
	80	3"	65	2 1/2"	K-225	16.0	155 878	156 100
	80	3"	80	3"	K-225	16.0	154 642	156 133
B 	100	4"	80	3"	L-225	16.0	155 930	156 149
	100	4"	100	4"	L-225	16.0	154 643	156 166
	15	1/2"	4	1/8"	F-80	16.0	461 493	–
	15	1/2"	6	3/16"	F-80	16.0	461 494	–
	15	1/2"	8	1/4"	F-80	16.0	146 684	146 972
	15	1/2"	10	3/8"	F-80	16.0	146 709	146 997
	15	1/2"	15	1/2"	F-80	16.0	146 737	147 025
	20	3/4"	10	3/8"	F-80	16.0	146 723	147 011
	20	3/4"	15	1/2"	F-80	16.0	146 751	147 039
	20	3/4"	20	3/4"	F-80	16.0	146 779	147 067
	25	1"	15	1/2"	F-80	16.0	146 765	147 053
	25	1"	20	3/4"	F-80	16.0	146 793	147 081
	25	1"	25	1"	F-80	16.0	146 817	147 107
	40	1 1/2"	25	1"	G-100	16.0	146 843	147 133
	40	1 1/2"	32	1 1/4"	G-100	16.0	146 869	147 158
	40	1 1/2"	40	1 1/2"	G-100	16.0	146 897	147 189
	50	2"	32	1 1/4"	H-125	16.0	146 833	147 172
	50	2"	40	1 1/2"	H-125	16.0	146 911	147 203
	50	2"	50	2"	H-125	16.0	146 923	147 217
	65	2 1/2"	40	1 1/2"	H-125	16.0	155 753	155 974
	65	2 1/2"	50	2"	H-125	16.0	155 791	156 011
	65	2 1/2"	65	2 1/2"	H-125	10.0	155 848	156 073
	65	2 1/2"	40	1 1/2"	K-175	16.0	155 772	155 992
	65	2 1/2"	50	2"	K-175	16.0	155 811	156 029
	65	2 1/2"	65	2 1/2"	K-175	16.0	155 869	156 091
	80	3"	50	2"	K-175	16.0	155 830	156 045
	80	3"	65	2 1/2"	K-175	16.0	155 887	156 107
	80	3"	80	3"	K-175	16.0	155 922	156 141
	100	4"	65	2 1/2"	K-175	16.0	155 905	156 123
	100	4"	80	3"	K-175	16.0	155 939	156 157
	100	4"	100	4"	K-175	16.0	155 955	156 174

*seal system:

- SS/SS: plug stainless steel/ seat stainless steel
- PTFE/SS: plug PTFE/ seat stainless steel

Ordering chart: Globe Valve Systems

Flange: JIS B2238 ordinary type; JIS 10K, face-to-face JIS B2002 serie 20 (ANSI B16.10) (EN 558-2), flow below seat

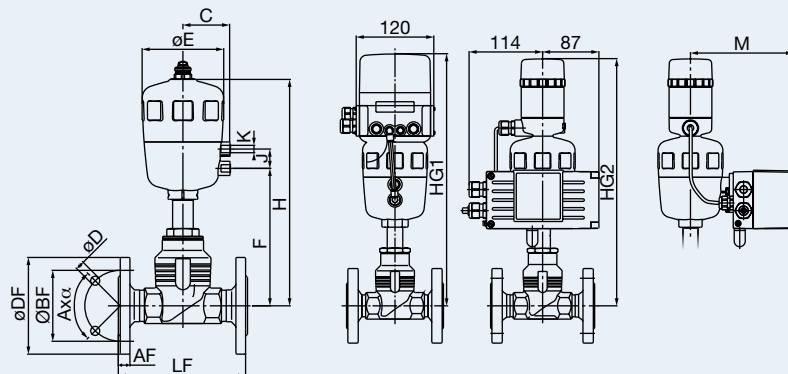


Circuit function	Port size (tube) [mm]	Orifice DN (seat) [mm]	Actuator size Ø [mm]	Op. pressure +180°C [bar]	Item no. seal system SS/SS*	Item no. seal system PTFE/SS*
A 	15	4	F-80	16.0	506 641	—
	15	6	F-80	16.0	506 644	—
	15	8	F-80	16.0	148 415	148 496
	15	10	F-80	16.0	148 421	148 502
	15	15	F-80	16.0	148 430	148 510
	20	10	F-80	16.0	148 426	148 506
	20	15	F-80	16.0	148 434	148 514
	20	20	F-80	16.0	148 443	148 522
	25	15	F-80	16.0	148 438	148 518
	25	20	F-80	16.0	148 447	148 526
	25	25	F-80	16.0	148 455	148 534
	32	20	G-100	16.0	151 473	148 530
	32	25	G-100	16.0	148 459	148 538
	32	32	G-100	16.0	148 468	148 546
	40	25	G-100	16.0	148 463	148 542
	40	32	G-100	16.0	148 472	148 550
	40	40	G-100	16.0	148 481	148 558
	50	32	H-125	16.0	148 477	148 554
	50	40	H-125	16.0	148 485	148 562
	50	50	H-125	16.0	148 489	148 566
	65	40	H-125	16.0	155 745	155 966
	65	50	H-125	16.0	155 783	156 003
	65	65	H-125	10.0	155 840	156 065
	65	40	K-175	16.0	155 765	155 986
	65	50	K-175	16.0	155 803	156 023
	65	65	K-175	16.0	155 862	156 085
B 	15	4	F-80	16.0	506 651	—
	15	6	F-80	16.0	506 652	—
	15	8	F-80	16.0	148 417	148 498
	15	10	F-80	16.0	148 423	148 504
	15	15	F-80	16.0	148 432	148 512
	20	10	F-80	16.0	148 428	148 508
	20	15	F-80	16.0	148 436	148 516
	20	20	F-80	16.0	148 445	148 524
	25	15	F-80	16.0	148 441	148 520
	25	20	F-80	16.0	148 449	148 528
	25	25	F-80	16.0	148 457	148 536
	32	20	G-100	16.0	148 452	148 532
	32	25	G-100	16.0	148 461	148 540
	32	32	G-100	16.0	148 470	148 548
	40	25	G-100	16.0	148 465	148 544
	40	32	G-100	16.0	148 474	148 552
	40	40	G-100	16.0	148 483	148 560
	50	32	H-125	16.0	148 479	148 556
	50	40	H-125	16.0	148 487	148 564
	50	50	H-125	16.0	148 492	148 568
	65	40	H-125	16.0	155 755	155 976
	65	50	H-125	16.0	155 793	156 013
	65	65	H-125	10.0	155 851	156 075
	65	40	K-175	16.0	155 774	155 994
	65	50	K-175	16.0	155 813	156 031
	65	65	K-175	16.0	155 871	156 093
	80	50	K-175	16.0	155 832	156 047
	80	65	K-175	16.0	155 889	156 109
	80	80	K-175	16.0	155 924	156 143
	100	80	K-175	16.0	155 941	156 159
	100	100	K-175	16.0	155 957	156 176

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

Dimensions [mm]

Cast stainless steel body with flanges

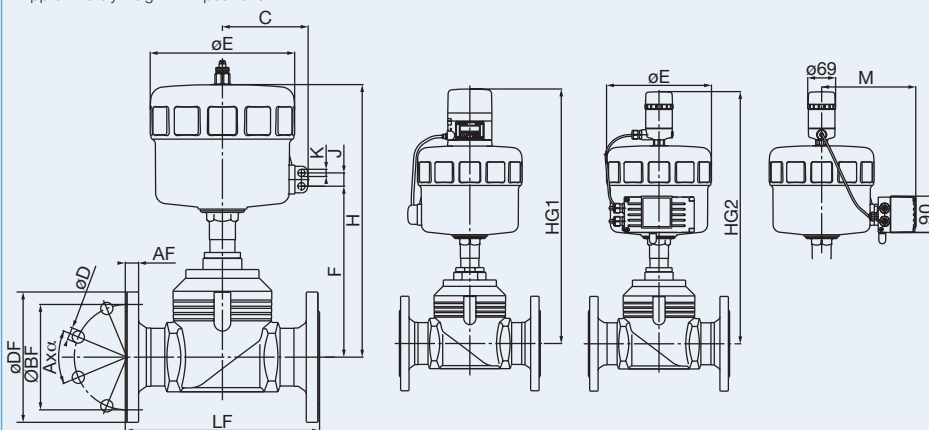


Port size	8630 HG1	1067 HG2	M	8635 HG2	M
10	391	384	145	384	159
15	391	384	145	384	159
20	386	379	145	379	159
25	389	382	145	382	159
32	476	469	158	469	172
40	481	474	158	474	172
50	518	511	171	511	185
65	547	511	171	511	185

Port size	DIN flange	ANSI flange	JIS flange
10	4x90°	4x90°	4x90°
15	4x90°	4x90°	4x90°
20	4x90°	4x90°	4x90°
25	4x90°	4x90°	4x90°
32	4x90°	4x90°	4x90°
40	4x90°	4x90°	4x90°
50	4x90°	4x90°	4x90°
65	8x45°	4x90°	4x90°

All actuators									DIN flange					ANSI flange					JIS flange				
Port size	Actuator size	Weight [kg] ¹⁾	C	E	F	H	K	J	DF	LF	ØBF	AF	D	DF	LF	ØBF	AF	D	DF	LF	ØBF	AF	D
10	F-80	5	60	101	166	264	G 1/4	24	90	130	60	16	14	—	—	—	—	—	—	—	—	—	—
15	F-80	5	60	101	166	264	G 1/4	24	95	130	65	16	14	89.0	184	60.5	11.2	15.7	95	108	70	12	15
20	F-80	6	60	101	160	259	G 1/4	24	105	150	75	18	14	99.0	184	69.9	12.7	15.7	100	117	75	14	15
25	F-80	7	60	101	164	262	G 1/4	24	115	160	85	18	14	108.0	184	79.2	14.2	15.7	125	127	90	14	19
32	G-100	11	73	127	208	346	G 1/4	30	140	180	100	18	18	—	—	—	—	—	135	140	100	16	19
40	G-100	12	73	127	214	351	G 1/4	30	150	200	110	18	18	127.0	222	98.6	17.5	15.7	140	165	105	16	19
50	H-125	17	86	157	225	388	G 1/4	30	165	230	125	20	18	152.0	254	120.7	19.1	19.1	155	203	120	16	19
65	H-125	21	86	157	254	417	G 1/4	30	185	290	145	22	18	178.0	276	139.7	22.3	19.1	175	216	140	18	19

¹⁾ Approximately weight with positioner



Port size	8630 HG1	1067 HG2	M	8635 HG2	M
65	621	613	220	613	209
80	624	617	220	617	234
100	634	626	195	626	234

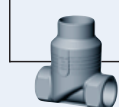
Port size	DIN flange	ANSI flange	JIS flange
65	8x45°	4x90°	4x90°
80	8x45°	4x90°	4x90°
100	8x45°	8x45°	8x45°

All actuators									DIN flange					ANSI flange					JIS flange				
Port size	Actuator size	Weight [kg] ¹⁾	C	E	F	H	K	J	DF	LF	ØBF	AF	D	DF	LF	ØBF	AF	D	DF	LF	ØBF	AF	D
65	K-175	28	130	211	289	479	G 1/4	24	185	290	145	22	18	178.0	276	139.7	22.3	19.1	175	216	140	18	19
80	L-225	38	155	261	299	482	G 1/4	24	200	310	160	24	18	190.0	298	152.4	23.9	19.1	185	241	150	18	19
100	L-225	46	155	261	309	492	G 1/4	24	235	350	190	24	22	229.0	352	190.5	23.9	19.1	210	292	175	18	19

¹⁾ Approximately weight with positioner

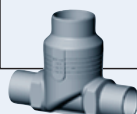
Further process connections

Threaded ends



- G
- NPT
- RC

Weld ends



- ISO 4200
- DIN 11850 S2
- BS 4825
- ASME BPE
- SMS 3008

Tri-Clamp®



- ISO 2852
- SMS 3017
- DIN 32676
- BS 4825

Customized*

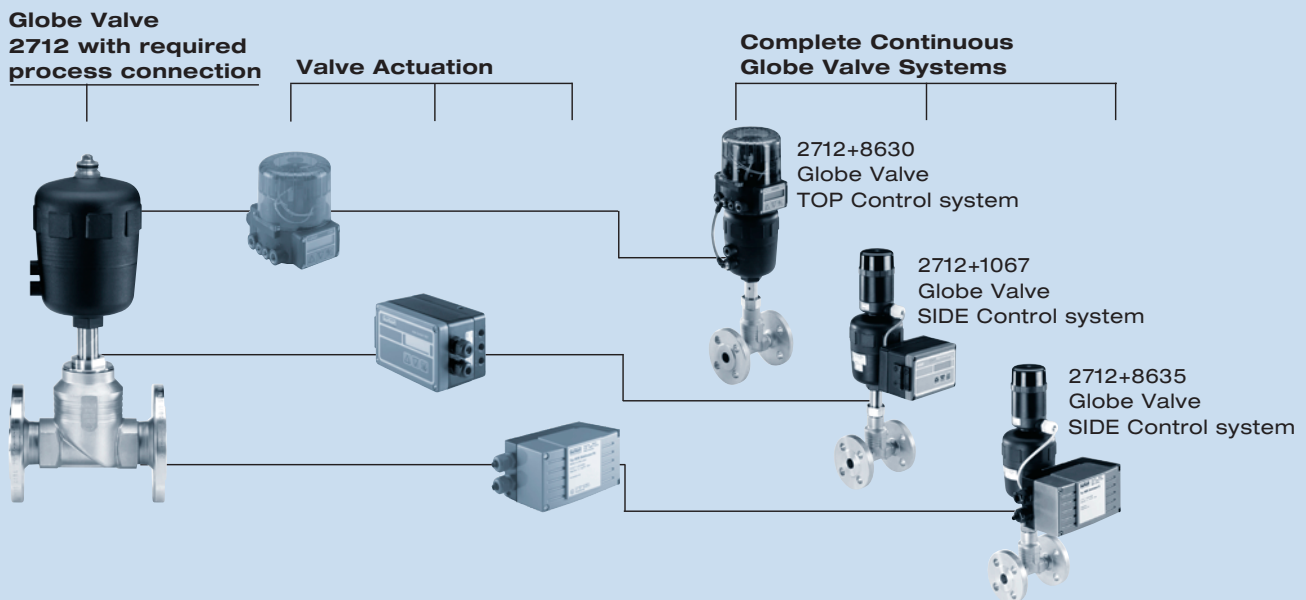


*e.g. one side with flange, other side Tri-Clamp®

A continuous globe valve system consists of a continuous globe valve type 2712 and a valve actuation system TOP Control type 8630 or SIDE Control type 1067 or 8635.

Burkert offers a wide range of valve actuation systems suitable for the new continuous globe valve.

Example for variations of continuous globe valve systems



Valve Actuation System: TOP Control

TOP Control Continuous type 8630 forms a mechanical and functional unit with the pneumatic actuator. Main functional groups of the TOP Control continuous are:

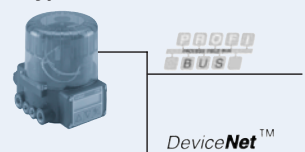
- Positioner and process controller in one device, integrated PID
- Position measuring system for continuous feedback of the actual position of the pneumatic actuator and the valve
- Microprocessor controlled electronics for signal

processing, setpoint/process value comparison

- Pneumatic positioning system for single and double-acting actuators whose integrated pilot valves are driven by pulse-width modulation
- **New process tune** function in order to support the customer in the timeconsuming and sometimes difficult task of adapting the PID-controller's parameters to the process.

TOP Control continuous can be used in a variety of different applications in fluid control solutions.

Type: 8630



Valve Actuation System: SIDE Control 3-wire

SIDE Control 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 SIDE Control continuous are:

- Positioner and process controller in one device, integrated PID
- Position measuring system for continuous feedback of the actual position of the pneumatic actuator and the valve

- Microprocessor controlled electronics for signal processing, setpoint/process value comparison
- Pneumatic positioning system for single and double-acting actuators whose integrated pilot valves are driven by pulse-width modulation
- Remote versions available for distances up to 100 m between process value and controller
- The software function *autotune* implemented enables automatic adaptation of the positioner to the control valve used.

Type: 1067



Valve Actuation System: SIDE Control 2-wire

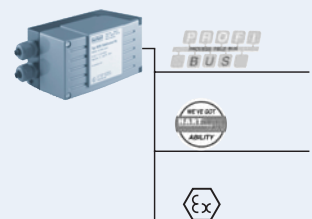
SIDE Control type 8635 is a 2-wire electro-pneumatic process controller and positioner for pneumatically operated process valves. As an alternative, communication can be effected via HART or PROFIBUS PA.

- 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

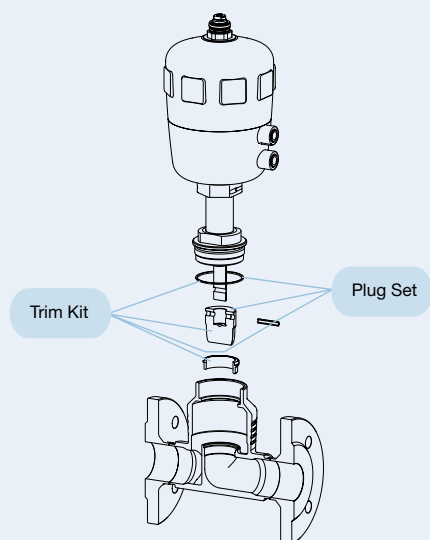
- To build up a decentralized control system, SIDE Control is equipped with a process controller with PID behaviour. In this case, a process control loop is superimposed on the positioning loop in a cascade structure
- The compact, robust design, the housing is suitable for use in chemical and process-engineering
- **New process tune** function in order to support the customer in the timeconsuming and sometimes difficult task of adapting the PID-controller's parameters to the process.

Type: 8635



Spare parts for Type 2712 – DN10-100 (on request)

Port size 10 up to 65 in combination with actuator size F-80 up to H-125



Port size 65 up to 100 in combination with actuator size K-175 and L-225

