


Table of Contents

PRODUCT	TECHNICAL INSTRUCTIONS	PAGE #
Overview		
Application Matrix		D-5
Reference		
Water Capacity, Zone Valves		D-6
Close-off Pressure, Zone Valves		D-7
Water Capacity, Globe Valves		D-8
Maximum Steam Capacity, Globe Valves		D-10
Temperature Pressure Ratings, Globe Valves		D-11
Close-off Pressures, Globe Valves		D-12
Flow Coefficients, Ball Valves		D-15
Selection Tables		
Zone Valves—1/2 to 1-inch		D-16
MZ/MT Globe—1/2 to 1-inch		D-18 — D-22
Flowrite Globe Valves—1/2 to 2-inch		D-23 — D-31
Flowrite Globe Valves—2-1/2 to 6-inch		D-32 — D-49
High Pressure Close-off—2-1/2 to 6-inch 		D-40 — D-41
Ball Valves—1/2 to 2-inch		D-50 — D-53
Magnetic Valves		D-54
Service Valves		D-55 — D-56
Butterfly Valves—2 to 12-inch		D-57 — D-64
Zone Valves		
Introduction		D-65
Two-way and Three-way Zone Valves—1/2 to 1-inch	155-320	D-67
SFA/SFP Series Electronic Valve Actuator	155-321	D-71
SSA/SSP Series Electronic Valve Actuator	155-710	D-75
Thermic Valve Actuator	155-109	D-79

(Continued on next page)

Standard Shipping within 3 to 5 days Products ordered through the Rapid Response™ program can ship same day. Expect longer lead times for large quantities and unique parts. See inside back cover for details on Rapid Response™ shipping.

Table of Contents *(Continued)*


PRODUCT	TECHNICAL INSTRUCTIONS	PAGE #
Powermite Globe Valves		
Introduction		D-83
MZ Series		
Two-way Valves—1/2 to 1-inch	155-198P25	D-85
Three-way Valves—1/2 to 1-inch	155-199P25	D-89
SSB Valve Actuator/Proportional Control	155-192P25	D-91
SSB Valve Actuator/Floating Control	155-195P25	D-93
MT Series		
Two-way Valves—1/2 to 1-1/2 inch	155-196P25	D-95
Three-way Valves—1/2 to 1 inch	155-197P25	D-101
Two-inch Pneumatic Valve Actuator	155-189P25	D-105
SSC Valve Actuator/Floating Control	155-314P25	D-107
SSC Valve Actuator/Proportional Control	155-313P25	D-109
SQS Valve Actuator/Proportional Control	155-190P25	D-111
SQS Valve Actuator/Floating Control	155-308P25	D-113
Flowrite Globe Valves		
Introduction		D-115
Two-way Bronze Valves—1/2 to 2-inch	155-184P25	D-117
Three-way Bronze Valves—1/2 to 2-inch	155-185P25	D-123
Two-way Flanged Iron Valves—2-1/2 to 6-inch	155-159P25	D-129
 High Close-off Two-way Flanged Iron Valves— 2-1/2 to 6-inch	154-067	D-133
Three-way Flanged Iron Valves—2-1/2 to 6-inch	155-160P25	D-137
4-inch Pneumatic Valve Actuator	155-183P25	D-141
8-inch Pneumatic Valve Actuator	155-161P25	D-143
12-inch Pneumatic Valve Actuator	155-162P25	D-145
SQX Valve Actuator/Proportional Control	155-182P25	D-147
SQX Valve Actuator/Floating Control	155-186P25	D-149

Table of Contents *(Continued)*

PRODUCT	TECHNICAL INSTRUCTIONS	PAGE #
Flowrite Globe Valves continued		
SKD Valve Actuator/Proportional Control	155-180P25	D-151
SKD Valve Actuator/Floating Control	155-181P25	D-153
Electro-Mechanical Rack and Pinion/Proportional Control	155-541P25	D-155
SKB/SKC Valve Actuator/Proportional Control	155-163P25	D-159
SKB/SKC Valve Actuator/Floating Control	155-171P25	D-161
Ball Valves		
Introduction		D-163
Two-way and Three-way Ball Valves	155-704P25	D-165
Magnetic Valves		
Introduction		D-173
MX.. Control Valves for Hot and Chilled Water	CA1N4455E-P25	D-175
M3P..FY Control Valves for Hot and Chilled Water with ZM Signal Module	CA1N4454E-P25	D-179
MVF461H Modulating Control Valves for Hot Water and Steam	125-4361	D-183
MXG461B Modulating Control Valves for Domestic Water	125-4461	D-187
ZM, ZM.../A Terminal Housing for Magnetic Valves	—	D-191
Angle/Flared/Sequence/Changeover Service Valves		
Introduction		D-193
Powermite 656 Series Two-way Valves	155-311P25	D-195
Powermite 656 Series Three-way Water Mixing Valves	—	D-197
Powermite 656 Series Two-way Angle Union Valves	155-086P25	D-199
Powertop 658 Series Two-way Valves	155-310P25	D-201
Powertop 658 Series Sequence and Changeover Valves	155-092P25	D-203
Powertop 658 Series Two-way Angle Union Valves	—	D-205
Resilient Seat Butterfly Valves		
Introduction		D-207
Two- and Three-way Butterfly Valve Assemblies—2 to 20-inch	—	D-209
Accessories & Service Kits		D-219

Need additional assistance?

Contact Siemens Inside Sales or your Account Executive any time.
Call Inside Sales at 1-888-593-7876 from 7 am to 5:30 pm (CST)
Monday through Friday. Or, send an email to
bgcustomersupport.us.sbt@siemens.com

We appreciate your business and look forward to helping you!



Overview

Designed for precise regulation and control of water, steam and other media, Siemens valves and actuators are highly dependable. They include:

- Zone Valves for economical control of baseboard, fan coil and radiant heat applications
- Powermite Globe Valves for reliable control of terminal unit and zone equipment.
- Flowrite Globe Valves for dependable control of small to medium coils and larger HVAC systems.
- Ball Valves control hot or chilled water in a variety of applications.
- Magnetic Valves are quick response, high performance valves for demanding critical applications.
- Service Valves are excellent for replacing hard to find valves for baseboard, terminal unit and radiant heat applications
- Resilient Seat Butterfly Valves are excellent for isolation and distribution applications.

Zone			
Powermite Globe			
	Flowrite Globe		
	Ball		
	Magnetic		
Service			
		Butterfly	
Terminal	AHU/Unitary	Distribution	Central Equipment

D-5

Valves

Valve Selection Matrix by Application

Application	Controlled Medium	Valve Size	Type of Valve	Refer to Page
Baseboard/Fan Coil/Radiant Heat	Water	1/2 to 1"	Zone	D-65
Baseboard/Terminal Unit	Water	1/2 to 1"	Powermite MZ Series	D-85
Terminal Unit	Water and Low Pressure steam ¹	1/2 to 1-1/2"	Powermite MT Series	D-95
Unitary/Fan Coil	Water and Low Pressure steam ¹	1/2 to 1-1/2"	Powermite MT Series	D-95
Unitary/Fan Coil	Water (Equal Percentage) and High Pressure steam (Linear)	1/2 to 2"	Flowrite Globe	D-115
Air Handling Unit	Water (Equal Percentage) and High Pressure steam (Linear)	1/2 to 2"	Flowrite Globe	D-115
Central Plant	Water (Equal Percentage) and High Pressure steam (Linear)	2-1/2 to 6"	Flowrite Globe	D-129
Fan Coil/VAV/Isolation and Control	Water	1/2 to 2"	Ball	D-163
High performance Control and Domestic Water	Water (including Domestic), Low Pressure Steam and High Pressure Steam	1/2 to 4"	Magnetic	D-173
Baseboard/Terminal Unit/Radiant (Replacement)	Water and Low Pressure Steam	1/2 to 1-1/4"	Service	D-193
Central Plant Isolation and Distribution	Water	2 to 20"	Butterfly	D-207

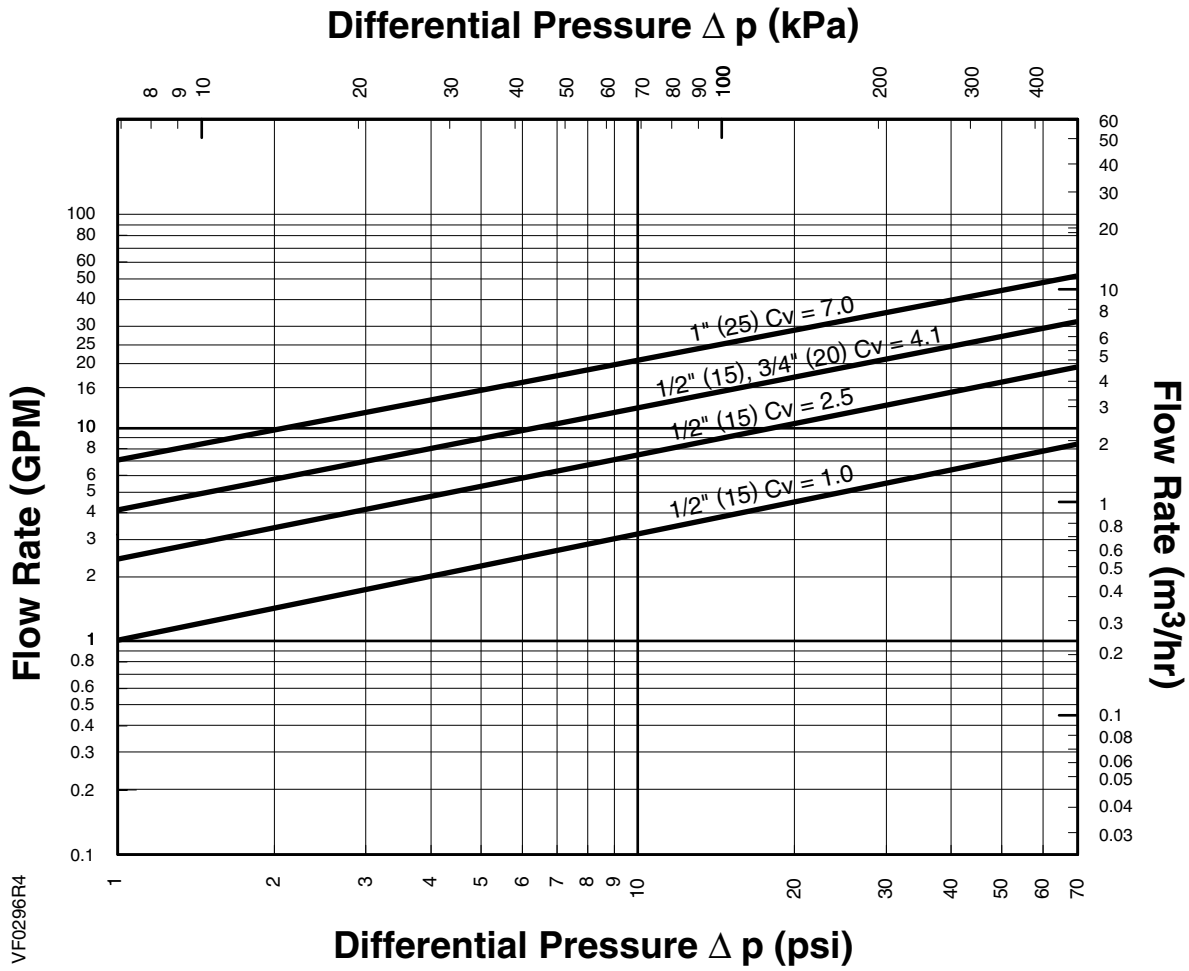
Table Note:

1. Low pressure steam = 15 psig or less

Zone Valves Water Capacity Graph

D-6

Valves



VF0296F14

Zone Valves Water Capacity Tables and Close-off Pressure

Water Capacity Tables

Valve Size Inches	Pressure Differential — psi English (AB → A)															
	Cv1	2	3	4	5	6	8	10	15	20	25	30	40	50	60	75
1/2	1.0	1.4	1.7	2.0	2.2	2.4	2.8	3.2	3.9	4.4	5.0	5.5	6.3	7.1	7.7	8.7
1/2	2.5	3.5	4.3	5.0	5.6	6.1	7.1	7.9	9.7	11.2	12.5	13.7	15.8	17.7	19.4	22.0
1/2	4.1	5.7	7.1	8.2	9.2	10.0	11.6	13.0	15.9	18.3	20.5	22.4	25.9	29.0	31.8	35.5
1	7.0	9.9	12.1	14.0	15.6	17.1	19.8	22.1	27.1	31.3	35.0	38.3	44.3	49.5	54.2	60.6

Table is expressed in U.S. Gallons per minute (GPM).

Valve Size mm	Pressure Differential — psi Metric (AB → A)														
	1	10	20	30	40	50	60	80	100 (Kvs)	150	200	300	400	500	
15	0.09	0.27	0.38	0.47	0.54	0.60	0.66	0.76	0.85	1.04	1.20	1.47	1.70	1.90	
15	0.22	0.68	0.96	1.18	1.36	1.52	1.67	1.92	2.15	2.63	3.04	3.72	4.30	4.81	
15/20	0.35	1.11	1.57	1.92	2.21	2.47	2.71	3.13	3.50	4.29	4.95	6.06	7.00	7.83	
25	0.60	1.90	2.68	3.29	3.79	4.24	4.65	5.37	6.00	7.35	8.49	10.39	12.00	13.42	

Table expressed in Cubic Meters per Hour (m³/hr).

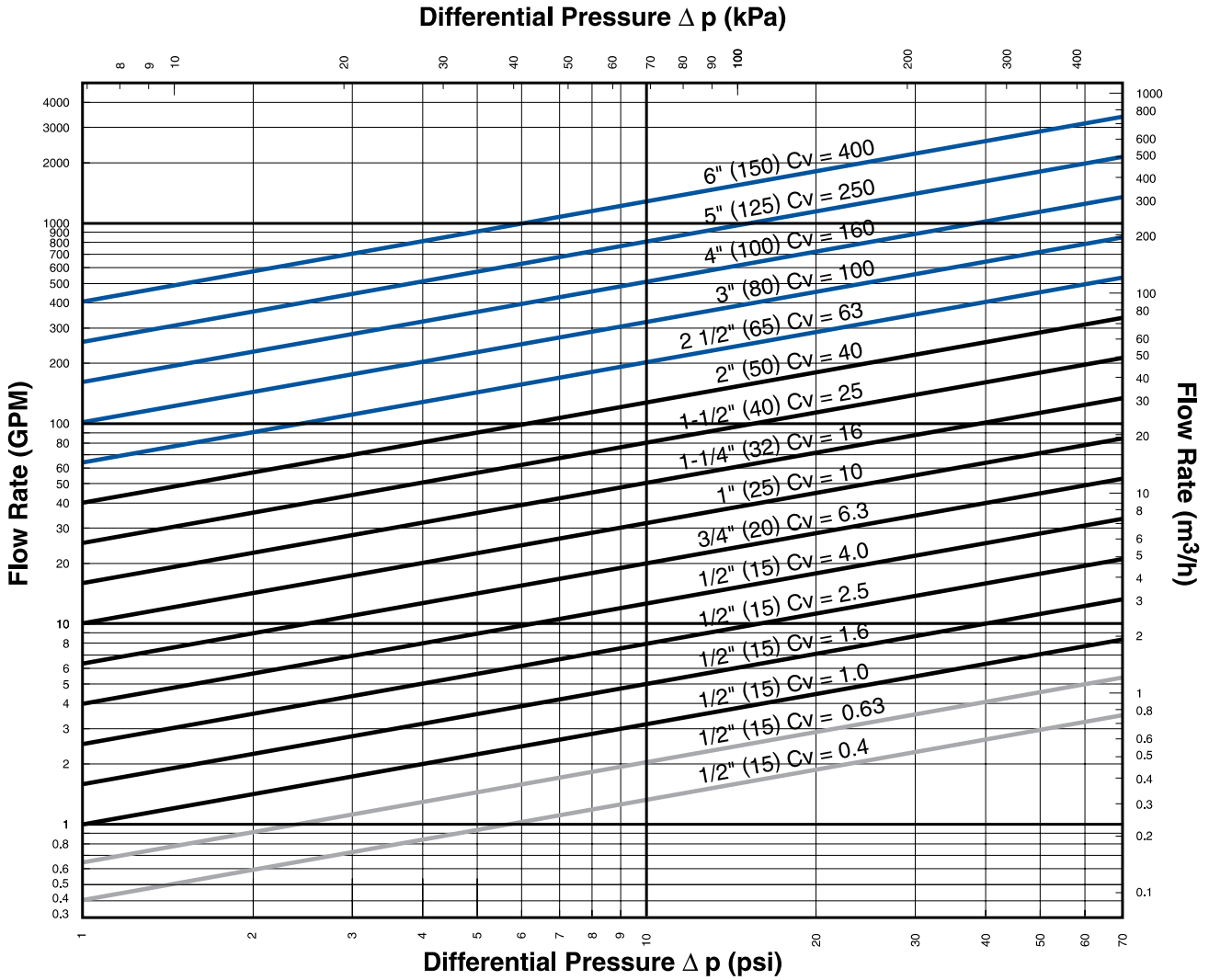
Close-off Pressures

Bronze			
Valve Size		Pressure	
Inch	(mm)	psi	(KPa)
1/2	(15)	44	(303)
3/4	(20)	44	(303)
1	(25)	22	(152)

Powermite/Flowrite **Globe** Water Capacity Graph

D-8

Valves



Key

- Flowrite 599 Series
- Powermite or Flowrite 599 Series
- Powermite 599 Series



For more precise Valve Sizing, use the Water Capacity tables on the next page.

Powermite/Flowrite **Globe** Water Capacity Tables

Valve Size Inches	English Pressure Differential															
	Cv1	2 psi	3 psi	4 psi	5 psi	6 psi	8 psi	10 psi	15 psi	20 psi	25 psi	30 psi	40 psi	50 psi	60 psi	75 psi
1/2"	0.4	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.5	1.8	2.0	2.2	2.5	2.8	3.1	3.5
1/2"	0.63	0.9	1.1	1.3	1.4	1.5	1.8	2.0	2.4	2.8	3.2	3.5	4.0	4.5	4.9	5.5
1/2"	1.0	1.4	1.7	2.0	2.2	2.5	2.8	3.2	3.9	4.5	5.0	5.5	6.3	7.1	7.8	8.7
1/2"	1.6	2.3	2.8	3.2	3.6	3.9	4.5	5.1	6.2	7.2	8.0	8.8	10.1	11.3	12.4	13.9
1/2"	2.5	3.5	4.3	5.0	5.6	6.1	7.1	7.9	9.7	11.2	12.5	13.7	15.8	17.7	19.4	22
1/2"	4	5.7	7	8.0	8.9	10	11.3	12.6	15.5	17.9	20.0	21.9	25	28	31	35
3/4"	6.3	8.9	10.9	12.6	14.1	15.4	17.8	20	24	28	32	35	40	45	49	55
1"	10	14.1	17.3	20	22	24	28	32	39	45	50	55	63	71	77	87
1-1/4"	16	23	28	32	36	39	45	51	62	72	80	88	101	113	124	139
1-1/2"	25	35	43	50	56	61	71	79	97	112	125	137	158	177	194	217
2"	40	57	69	80	89	98	113	126	155	179	200	219	253	283	310	346
2-1/2"	63	89	109	126	141	154	178	199	244	282	315	345	398	445	488	546
3"	100	141	173	200	224	245	283	316	387	447	500	548	632	707	775	866
4"	160	226	277	320	358	392	453	506	620	716	800	876	1012	1131	1239	1386
5"	250	354	433	500	559	612	707	791	968	1118	1250	1369	1581	1768	1936	2165
6"	400	566	693	800	894	980	1131	1265	1549	1789	2000	2191	2530	2828	3098	3464

Table is expressed in U.S. gallons per minute (GPM).

Valve Size mm	Metric Pressure Differential													
	1 kPa	10 kPa	20 kPa	30 kPa	40 kPa	50 kPa	60 kPa	80 kPa	100 (Kvs)	150 kPa	200 kPa	300 kPa	400 kPa	500 kPa
15	0.03	0.11	0.15	0.19	0.22	0.24	0.26	0.30	0.34	0.42	0.48	0.59	0.68	0.76
15	0.05	0.17	0.24	0.30	0.34	0.38	0.42	0.48	0.54	0.66	0.76	0.94	1.08	1.21
15	0.09	0.27	0.38	0.47	0.54	0.60	0.66	0.76	0.85	1.0	1.2	1.5	1.7	1.9
15	0.14	0.43	0.61	0.75	0.87	0.97	1.06	1.23	1.37	1.7	1.9	2.4	2.7	3.1
15	0.21	0.68	0.96	1.17	1.35	1.51	1.66	1.91	2.15	2.6	3.0	3.7	4.3	4.8
15	0.34	1.1	1.5	1.9	2.2	2.4	2.7	3.1	3.4	4.2	4.9	6.0	6.9	7.7
20	0.54	1.7	2.4	3.0	3.4	3.8	4.2	4.9	5.4	6.7	7.7	9.4	10.9	12.1
25	0.86	2.7	3.8	4.7	5.4	6.1	6.7	7.7	8.6	10.5	12.2	14.9	17.2	19.2
32	1.4	4.4	6.2	7.6	8.7	9.8	10.7	12.3	13.8	16.9	19.5	23.9	27.6	30.9
40	2.2	6.8	9.6	11.8	13.6	15.2	16.7	19.2	22	26	30	37	43	48
50	3.4	10.9	15.4	18.8	22	24	27	31	34	42	49	60	69	77
65	5.4	17.1	24	30	34	38	42	48	54	66	76	94	108	121
80	8.5	27	38	47	54	60	66	76	85	104	120	147	170	190
100	14	43	61	75	87	97	106	123	137	168	194	237	274	306
125	21	68	96	117	135	151	166	191	214	262	303	371	428	479
150	34	108	153	187	216	242	265	306	342	419	484	592	684	765

Table expressed in Cubic Meters per Hour (m³/hr).

Table Note:

Cv values of 0.4 to 10 are Powermite globe valves; Cv values of 1.0 to 400 are Flowrite globe valves.

Powermite/Flowrite **Globe** Maximum Steam Capacity at Various Pressure Differentials

Valve Size	English Inlet Pressure								
	2 psig			5 psig			10 psig		
	Pressure Differential								
	Cv	1 psi	2 psi	3 psi	4 psi	5 psi	6 psi	8 psi	10 psi
1/2"	0.4	4.78	6.66	8.78	10	11	14	15	17
1/2"	0.63	7.53	11	14	16	17	21	24	26
1/2"	1	12	17	22	25	28	34	38	42
1/2"	1.6	19	27	35	40	44	54	61	67
1/2"	2.5	30	42	55	62	69	85	96	104
1/2"	4	48	67	88	100	110	136	153	167
3/4"	6.3	75	105	138	157	174	214	241	263
1"	10	120	166	219	250	275	339	382	417
1-1/4"	16	191	266	351	400	441	542	611	667
1-1/2"	25	299	416	549	625	689	847	955	1042
2"	40	478	666	878	1000	1102	1356	1529	1667
2-1/2"	63	753	1048	1383	1574	1735	2135	2408	2626
3"	100	1195	1664	2194	2499	2754	3389	3822	4168
4"	160	1913	2663	3511	3998	4407	5422	6115	6669
5"	250	2988	4160	5486	6247	6885	8472	9554	10421
6"	400	4781	6657	8778	9996	11017	13555	15287	16674

Table is expressed in pounds per hour (lbs./hr.).

Valve Size	Kvs	Metric Inlet Pressure														
		100 kPa			150 kPa			200 kPa			500 kPa			1000 kPa		
		10 kPa	20 kPa	50 kPa	15 kPa	30 kPa	75 kPa	20 kPa	40 kPa	100 kPa	50 kPa	100 kPa	250 kPa	100 kPa	200 kPa	500 kPa
15 mm	0.34	2.42	3.42	5.40	3.63	5.13	8.12	4.84	6.85	11	12	17	27	24	34	54
15 mm	0.54	3.80	5.38	8.51	5.72	8.08	13	7.63	11	17	19	27	43	38	54	85
15 mm	0.86	6.04	8.54	14	9.07	13	20	12	17	27	30	43	68	61	86	136
15 mm	1.37	10	14	22	15	21	32	19	27	43	49	69	108	97	137	217
15 mm	2.14	15	21	34	23	32	51	30	43	68	76	107	169	152	214	339
15 mm	3.43	24	34	54	36	51	81	48	69	108	121	172	271	243	343	543
20 mm	5.40	38	54	85	57	81	128	76	108	171	191	270	427	382	541	855
25 mm	9	60	85	135	91	128	203	121	171	271	303	429	678	607	858	1357
32 mm	14	97	137	216	145	205	325	194	274	433	485	686	1085	971	1373	2171
40 mm	21	151	214	338	227	321	507	303	428	677	758	1072	1695	1517	2145	3391
50 mm	34	242	342	540	363	513	812	484	685	1083	1213	1715	2712	2427	3432	5426
65 mm	54	380	538	851	572	808	1278	763	1079	1706	1910	2701	4271	3822	5405	8546
80 mm	86	604	854	1350	907	1283	2029	1211	1713	2708	3032	4288	6779	6067	8580	13566
100 mm	137	966	1367	2161	1452	2053	3247	1938	2740	4332	4851	6860	10847	9707	13728	21705
125 mm	214	1510	2135	3376	2269	3208	5073	3027	4281	6769	7580	10719	16949	15167	21449	33914
150 mm	343	2416	3416	5402	3630	5133	8116	4844	6850	10831	12128	17151	27118	24267	34319	54263

Table is expressed in kilograms per hour (kg/hr).

D-10

Valves

Powermite/Flowrite **Globe** Temperature Pressure Ratings

Powermite Valve Bodies

Bronze/Brass	Temperature Range		Pressure	
			ANSI Class 250	
1/2 to 1-1/2"	-20 to +150°F	-30 to +66°C	400 psig (2758 kPa)	
	+200°F	+93°C	385 psig (2655 kPa)	
	+250°F	+121°C	365 psig (2586 kPa)	
	+300°F	+149°C	335 psig (2300 kPa)	
	+350°F	+177°C	300 psig (2068 kPa)	

Flowrite Valve Bodies

Bronze	Temperature Range		Pressure	
			ANSI Class 250	
1/2 to 2"	-20 to +150°F	-30 to +66°C	400 psig (2758 kPa)	
	+200°F	+93°C	385 psig (2655 kPa)	
	+250°F	+121°C	365 psig (2586 kPa)	
	+300°F	+149°C	335 psig (2300 kPa)	
	+350°F	+177°C	300 psig (2068 kPa)	
	Flanged Iron	Temperature Range		Pressure
ANSI Class 125				ANSI Class 250
2-1/2 to 6"	-20 to +150°F	-30 to +66°C	200 psig (1387 kPa)	500 psig (3447 kPa)
	+200°F	+93°C	190 psig (1310 kPa)	460 psig (3171 kPa)
	+250°F	+121°C	175 psig (1206 kPa)	415 psig (2861 kPa)
	+300°F	+149°C	165 psig (1137 kPa)	375 psig (2585 kPa)
	+400°F	+204°C	140 psig (965 kPa)	290 psig (1999 kPa)
	+450°F	+232°C	125 psig (861 kPa)	250 psig (1723 kPa)

D-11

Valves

Powermite **Globe** Close-off Pressures

MZ Series

Valve Size	Electronic	
	2-way	3-way
Normally Open		
1/2", Cv ≤ 1.6	60 psi (414 kPa)	25 psi (172 kPa)
1/2", Cv ≤ 4	35 psi (241 kPa)	15 psi (103 kPa)
3/4 to 1", Cv ≤ 10	30 psi (207 kPa)	10 psi (69 kPa)
Normally Closed		
1/2", Cv ≤ 1.6	70 psi (482 kPa)	70 psi (482 kPa)
1/2", Cv ≤ 4	40 psi (276 kPa)	40 psi (276 kPa)
3/4 to 1", Cv ≤ 10	30 psi (207 kPa)	30 psi (207 kPa)

Table Note:

For 3-way valve close-offs, use this chart to determine upper port (NC) and bottom port (NO).

D-12

MT Series

2-way Valve Size	Pneumatic			Electronic	
	599-01088			SQS	SSC
	3-8 psi	8-13 psi	10-15 psi		
Normally Open					
1/2", Cv ≤ 1.6	95 psi (655 kPa)	45 psi (310 kPa)	20 psi (138 kPa)	160 psi (1103 kPa)	120 psi (868 kPa)
1/2", Cv ≤ 4	45 psi (310 kPa)	25 psi (172 kPa)	15 psi (103 kPa)	85 psi (586 kPa)	65 psi (448 kPa)
3/4 to 1", Cv ≤ 10	35 psi (241 kPa)	10 psi (69 kPa)	—	70 psi (482 kPa)	55 psi (379 kPa)
Normally Closed					
1/2", Cv ≤ 1.6	40 psi (276 kPa)	95 psi (655 kPa)	95 psi (655 kPa)	95 psi (655 kPa)	95 psi (655 kPa)
1/2", Cv ≤ 4	28 psi (193 kPa)	50 psi (345 kPa)	50 psi (345 kPa)	50 psi (345 kPa)	50 psi (345 kPa)
3/4 to 1", Cv ≤ 10	18 psi (124 kPa)	40 psi (276 kPa)	40 psi (276 kPa)	40 psi (276 kPa)	40 psi (276 kPa)

3-way Valve Size	Pneumatic			Electronic	
	599-01088			SQS	SSC
	3-8 psi	8-13 psi	10-15 psi		
Normally Open					
1/2", Cv ≤ 1.6	95 psi (655 kPa)	45 psi (310 kPa)	20 psi (138 kPa)	160 psi (1103 kPa)	95 psi (655 kPa)
1/2", Cv ≤ 4	45 psi (310 kPa)	25 psi (172 kPa)	15 psi (103 kPa)	85 psi (586 kPa)	50 psi (379 kPa)
3/4 to 1", Cv ≤ 10	35 psi (241 kPa)	10 psi (69 kPa)	—	70 psi (482 kPa)	40 psi (276 kPa)
Normally Closed					
1/2", Cv ≤ 1.6	40 psi (276 kPa)	95 psi (655 kPa)	120 psi (827 kPa)	95 psi (655 kPa)	95 psi (655 kPa)
1/2", Cv ≤ 4	28 psi (193 kPa)	50 psi (345 kPa)	65 psi (448 kPa)	50 psi (345 kPa)	50 psi (345 kPa)
3/4 to 1", Cv ≤ 10	18 psi (124 kPa)	40 psi (276 kPa)	50 psi (345 kPa)	40 psi (276 kPa)	40 psi (276 kPa)

Table Notes:

For 3-way valve close-offs, use this chart to determine upper (NC) and bottom port (NO).

Normally open close-off pressures are at 20 psi actuator pressure.

Normally closed close-off pressures are at 0 psi actuator pressure.

Valves

Pneumatic

Valve Size in. (mm)	Spring Range							
	3 to 8 psi (21 to 55 kPa)					10 to 15 psi (69 to 103 kPa)		
	4" Actuator	8" Actuator		12" Actuator		4" Actuator	8" Actuator	12" Actuator
	15 psi (103 kPa)	15 psi (103 kPa)	30 psi (207 kPa)	15 psi (103 kPa)	30 psi (207 kPa)	0 psi (0 kPa)	0 psi (0 kPa)	0 psi (0 kPa)
Normally Open					Normally Closed			
1/2 (15)	142 (979)	250 (1724)	250 (1724)	—	—	236 (1627)	250 (1724)	—
3/4 (20)	80 (552)	231 (1593)	250 (1724)	—	—	155 (1069)	250 (1724)	—
1 (25)	52 (359)	150 (1034)	250 (1724)	250 (1724)	250 (1724)	91 (627)	250 (1724)	250 (1724)
1-1/4 (32)	32 (221)	93 (641)	250 (1724)	250 (1724)	250 (1724)	52 (359)	148 (1020)	250 (1724)
1-1/2 (40)	20 (138)	60 (414)	198 (1365)	205 (1413)	250 (1724)	32 (331)	92 (634)	250 (1724)
2 (50)	12 (83)	37 (255)	123 (848)	130 (896)	250 (1724)	20 (138)	55 (379)	185 (1275)
2-1/2 (65)	—	31 (213)	100 (689)	95 (655)	250 (1724)	—	36 (248)	114 (786)
3 (80)	—	20 (138)	66 (444)	63 (434)	200 (1378)	—	23 (158)	74 (610)
4 (100)	—	—	—	40 (275)	129 (889)	—	—	46 (317)
5 (125)	—	—	—	26 (179)	82 (565)	—	—	29 (199)
6 (150)	—	—	—	18 (124)	57 (393)	—	—	20 (137)

Table Notes:

All values within table are in psi (kPa) unless otherwise indicated.

For 3-way valve close-offs, use this chart to determine upper port (NC) and bottom port (NO).

Flowrite **Globe** Close-off Pressures

Electronic

Valve Size in. (mm)		SQX APC 271-273	Rack & Pinion APC 298, 299	SKD APC 274-276	SKB APC 289-291	SKC APC 292-294
Normally Open						
1/2	(15)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	—
3/4	(20)	173 (1193)	231 (1593)	250 (1724)	250 (1724)	—
1	(25)	112 (772)	149 (1028)	201 (1386)	250 (1724)	—
1-1/4	(32)	69 (476)	92 (634)	124 (855)	250 (1724)	—
1-1/2	(40)	44 (303)	59 (407)	80 (552)	250 (1724)	—
2	(50)	27 (186)	36 (248)	49 (338)	201 (1386)	—
2-1/2	(65)	25 (172)	25 (172)	38 (262)	153 (518)	—
3	(80)	18 (124)	18 (124)	25 (172)	101 (342)	—
4	(100)	—	—	—	—	65 (448)
5	(125)	—	—	—	—	42 (289)
6	(150)	—	—	—	—	29 (199)
Normally Closed						
1/2	(15)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	—
3/4	(20)	221 (1524)	250 (1724)	250 (1724)	250 (1724)	—
1	(25)	130 (896)	173 (1193)	203 (1400)	250 (1724)	—
1-1/4	(32)	75 (517)	100 (690)	117 (807)	250 (1724)	—
1-1/2	(40)	46 (317)	61 (421)	73 (503)	208 (1434)	—
2	(50)	28 (193)	37 (255)	44 (303)	126 (869)	—
2-1/2	(65)	25 (172)	25 (172)	34 (234)	97 (668)	—
3	(80)	18 (124)	18 (124)	22 (152)	63 (434)	—
4	(100)	—	—	—	—	39 (268)
5	(125)	—	—	—	—	25 (172)
6	(150)	—	—	—	—	17 (117)

Table Notes:

All values within table are in psi (kPa) unless otherwise indicated.

For 3-way valve close-offs, use this chart to determine upper port (NC) and bottom port (NO).

D-14

Valves

Ball Valve Flow Coefficients

✂ 2-Way, Full-Port (no flow optimizer) Ball Valve Part Nos. and Flow Coefficients

Valve Size in. (mm)	Ball Size in. (mm)	Valve Part No.	Effective (Installed) Cv (Kvs)												
			Supply Line Size in Inches (mm)												
			1/2 (13)	3/4 (20)	1 (25)	1-1/4 (32)	1-1/2 (38)	2 (51)	2-1/2 (63)	3 (76)	4 (102)	5 (127)	6 (152)		
1/2 (15)	1/2 (15)	599-10208	10.0 (8.62)	6.94 (5.93)	6.19 (5.29)										
3/4 (20)	3/4 (20)	599-10210		25.00 (21.55)	18.66 (15.99)	15.35 (13.12)									
1 (25)	1 (25)	599-10214			63.00 (54.31)	39.78 (34.00)	33.56 (28.69)								
1-1/4 (30)	1-1/4 (30)	599-10217				100.00 (86.21)	69.19 (5.13)	51.45 (43.98)							
1-1/2 (40)	1-1/4 (30)	599-10219					63.00 (54.31)	55.34 (47.30)	51.00 (43.59)						
1-1/2 (40)	1-1/2 (40)	599-10221					160.00 (137.93)	93.80 (80.17)	76.34 (65.25)						
2 (50)	1-1/4 (30)	599-10223						100.00 (86.21)	94.30 (80.60)	86.12 (73.61)					
2 (50)	2 (50)	599-10225						250.00 (215.52)	187.47 (160.23)	140.26 (119.88)					

D-15

Valves

✂ 3-Way, Full-Port (no flow optimizer) Ball Valve Part Nos. and Flow Coefficients

Valve Size in. (mm)	Ball Size in. (mm)	Valve Part No.	Effective (Installed) Cv (Kvs)												
			Supply Line Size in Inches (mm)												
			1/2 (13)	3/4 (20)	1 (25)	1-1/4 (32)	1-1/2 (38)	2 (51)	2-1/2 (63)	3 (76)	4 (102)	5 (127)	6 (152)		
1/2 (15)	3/4 (20)	599-10255	10.0 (8.62)	6.94 (5.93)	6.19 (5.29)										
3/4 (20)	3/4 (20)	599-10256		16.00 (13.79)	13.9 (11.98)	12.4 (10.69)									
1 (25)	1-1/4 (30)	599-10259			25.00 (21.55)	22.5 (19.4)	21.2 (18.27)								
1-1/4 (30)	1-1/4 (30)	599-10261				40.00 (34.48)	36.9 (31.81)	33.3 (28.70)							
1-1/2 (40)	1-1/2 (40)	599-10264					63.00 (54.31)	55.3 (47.67)	51.00 (43.96)						
2 (50)	2 (50)	599-10267						100 (86.21)	94.3 (81.29)	86.1 (74.23)					

For more information on selecting ball valves, refer to the Engineering Section, Section I.

Key Valve may be oversized Optimal valve size Valve may be undersized

Zone Valve Electronic SR/NSR Actuator Assemblies

ANSI Class 125



- Brass Trim
- NPT and Sweat Connections

D-16

Valves

NO/NC 1/2 to 1"			Spring Return Actuator				Non-Spring Return Actuator										
			NO	NC	NO	NC	NC	NO	NC								
			2P 120 Vac		2P 24 Vac		Floating 24 Vac	0-10 Vdc 24 Vac	0-10 Vdc 24 Vac								
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.															
Close-off psi — NPT Connection																	
	599-00210	1.0	1/2	44	241-00210	44	240-00210	44	243-00210	44	242-00210	44	244-00210	44	248-00210	44	245-00210
	599-00211	2.5	1/2	44	241-00211	44	240-00211	44	243-00211	44	242-00211	44	244-00211	44	248-00211	44	245-00211
	599-00214	4.0	1/2	44	241-00214	44	240-00214	44	243-00214	44	242-00214	44	244-00214	44	248-00214	44	245-00214
	599-00212	4.1	3/4	44	241-00212	44	240-00212	44	243-00212	44	242-00212	44	244-00212	44	248-00212	44	245-00212
	599-00213	7.0	1	22	241-00213	22	240-00213	22	243-00213	22	242-00213	22	244-00213	22	248-00213	22	245-00213
Close-off psi — Sweat Connection																	
	599-00510	1.0	1/2	44	241-00510	44	240-00510	44	243-00510	44	242-00510	44	244-00510	44	248-00510	44	245-00510
	599-00511	2.5	1/2	44	241-00511	44	240-00511	44	243-00511	44	242-00511	44	244-00511	44	248-00511	44	245-00511
	599-00514	4.0	1/2	44	241-00514	44	240-00514	44	243-00514	44	242-00514	44	244-00514	44	248-00514	44	245-00514
	599-00512	4.1	3/4	44	241-00512	44	240-00512	44	243-00512	44	242-00512	44	244-00512	44	248-00512	44	245-00512
	599-00513	7.0	1	22	241-00513	22	240-00513	22	243-00513	22	242-00513	22	244-00513	22	248-00513	22	245-00513

Table Notes:

Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.



Diverting 1/2 to 1"			Spring Return Actuator				Non-Spring Return Actuator										
			AB-A NO	AB-A NC	AB-A NO	AB-A NC	AB-A NC	AB-A NO	AB-A NC								
			2P 120 Vac		2P 24 Vac		Floating 24 Vac	0-10 Vdc 24 Vac	0-10 Vdc 24 Vac								
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.															
Close-off psi — NPT Connection																	
	599-00230	1.0	1/2	44	241-00230	44	240-00230	44	243-00230	44	242-00230	44	244-00230	44	248-00230	44	245-00230
	599-00231	2.5	1/2	44	241-00231	44	240-00231	44	243-00231	44	242-00231	44	244-00231	44	248-00231	44	245-00231
	599-00234	4.0	1/2	44	241-00234	44	240-00234	44	243-00234	44	242-00234	44	244-00234	44	248-00234	44	245-00234
	599-00232	4.1	3/4	44	241-00232	44	240-00232	44	243-00232	44	242-00232	44	244-00232	44	248-00232	44	245-00232
	599-00233	7.0	1	22	241-00233	22	240-00233	22	243-00233	22	242-00233	22	244-00233	22	248-00233	22	245-00233
Close-off psi — Sweat Connection																	
	599-00530	1.0	1/2	44	241-00530	44	240-00530	44	243-00530	44	242-00530	44	244-00530	44	248-00530	44	245-00530
	599-00531	2.5	1/2	44	241-00531	44	240-00531	44	243-00531	44	242-00531	44	244-00531	44	248-00531	44	245-00531
	599-00534	4.0	1/2	44	241-00534	44	240-00534	44	243-00534	44	242-00534	44	244-00534	44	248-00534	44	245-00534
	599-00532	4.1	3/4	44	241-00532	44	240-00532	44	243-00532	44	242-00532	44	244-00532	44	248-00532	44	245-00532
	599-00533	7.0	1	22	241-00533	22	240-00533	22	243-00533	22	242-00533	22	244-00533	22	248-00533	22	245-00533

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi. *Flow rate is for AB → A.



Part No. in black box Ships same day when requested through Rapid Response™ shipping. See inside back cover for details.

SIEMENS

Zone Valve Thermic SR Actuator Assemblies ANSI Class 125

- Brass Trim
- NPT and Sweat Connections







NO/NC 1/2 to 1"			Spring Return Actuator				
			NO	NC			
2P 24 Vac							
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.					
Close-off psi — NPT Connection							
	599-00210	1.0	1/2	44	247-00210	44	246-00210
	599-00211	2.5	1/2	44	247-00211	44	246-00211
	599-00214	4.0	1/2	44	247-00214	44	246-00214
	599-00212	4.1	3/4	44	247-00212	44	246-00212
	599-00213	7.0	1	22	247-00213	22	246-00213
Close-off psi — Sweat Connection							
	599-00510	1.0	1/2	44	247-00510	44	246-00510
	599-00511	2.5	1/2	44	247-00511	44	246-00511
	599-00514	4.0	1/2	44	247-00514	44	246-00514
	599-00512	4.1	3/4	44	247-00512	44	246-00512
	599-00513	7.0	1	22	247-00513	22	246-00513

Table Notes:

Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.







Diverting 1/2 to 1"			Spring Return Actuator				
			AB-A NO	AB-A NC			
2P 24 Vac							
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.					
Close-off psi — NPT Connection							
	599-00230	1.0	1/2	44	247-00230	44	246-00230
	599-00231	2.5	1/2	44	247-00231	44	246-00231
	599-00234	4.0	1/2	44	247-00234	44	246-00234
	599-00232	4.1	3/4	44	247-00232	44	246-00232
	599-00233	7.0	1	22	247-00233	22	246-00233
Close-off psi — Sweat Connection							
	599-00530	1.0	1/2	44	247-00530	44	246-00530
	599-00531	2.5	1/2	44	247-00531	44	246-00531
	599-00534	4.0	1/2	44	247-00534	44	246-00534
	599-00532	4.1	3/4	44	247-00532	44	246-00532
	599-00533	7.0	1	22	247-00533	22	246-00533

Table Notes:

Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.

Powermite **Globe** Valve Electronic NSR Actuator Assemblies—MZ

ANSI Class 250



• Brass Trim

D-18

Valves

NO/NC 1/2 to 1"			Non-Spring Return Actuator				
			Floating	0-10 V			
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.					
Close-off psi — Normally Open							
	599-01115	0.4	1/2	60	254-01115	60	255-01115
	599-01117	0.63	1/2	60	254-01117	60	255-01117
	599-01119	1	1/2	60	254-01119	60	255-01119
	599-01121	1.6	1/2	60	254-01121	60	255-01121
	599-01123	2.5	1/2	35	254-01123	35	255-01123
	599-01126	4	1/2	35	254-01126	35	255-01126
	599-01129	6.3	3/4	30	254-01129	30	255-01129
	599-01131	10	1	30	254-01131	30	255-01131
Close-off psi — Normally Closed							
	599-01100	0.4	1/2	70	254-01100	70	255-01100
	599-01102	0.63	1/2	70	254-01102	70	255-01102
	599-01104	1	1/2	70	254-01104	70	255-01104
	599-01106	1.6	1/2	70	254-01106	70	255-01106
	599-01108	2.5	1/2	40	254-01108	40	255-01108
	599-01110	4	1/2	40	254-01110	40	255-01110
	599-01112	6.3	3/4	30	254-01112	30	255-01112
	599-01114	10	1	30	254-01114	30	255-01114

Table Notes:
Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.



Water Mixing 1/2 to 1"			Non-Spring Return Actuator				
			Floating	0-10 V			
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.					
Close-off psi — Brass Trim							
	599-01132	0.4	1/2	70	254-01132	70	255-01132
	599-01133	0.63	1/2	70	254-01133	70	255-01133
	599-01134	1	1/2	70	254-01134	70	255-01134
	599-01135	1.6	1/2	70	254-01135	70	255-01135
	599-01136	2.5	1/2	40	254-01136	40	255-01136
	599-01137	4	1/2	40	254-01137	40	255-01137
	599-01138	6.3	3/4	30	254-01138	30	255-01138
	599-01139	10	1	30	254-01139	30	255-01139

Table Notes:
Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.



Part No. in black box Ships same day when requested through Rapid Response™ shipping. See inside back cover for details.

SIEMENS

Powermite **Globe** Valve Pneumatic SR Actuator Assemblies—MT ANSI Class 250



• Brass and Stainless Steel Trim

Table Notes:

Normally Open Values in chart are for 20 psi supplied to the actuator.

Normally Closed Values in chart are for 0 psi supplied to the actuator.




NO/NC 1/2 to 1"			Spring Return Actuator			
			3-8 psi (21-55 kPa)	8-13 psi (55-90 kPa)	10-15 psi (69-103 kPa)	
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.				
			599-01088	599-01088	599-01088	
Normally Open						
Close-off psi — Brass Trim						
599-02030	0.4	1/2	95 257-02030	45 258-02030C	20 256-02030A	
599-02032	0.63	1/2	95 257-02032	45 258-02032C	20 256-02032A	
599-02034	1	1/2	95 257-02034	45 258-02034C	20 256-02034A	
599-02036	1.6	1/2	95 257-02036	45 258-02036C	20 256-02036A	
599-02038	2.5	1/2	45 257-02038	25 258-02038C	15 256-02038A	
599-02041	4	1/2	45 257-02041	25 258-02041C	15 256-02041A	
599-02044	6.3	3/4	35 257-02044	10 258-02044C	—	
599-02046	10	1	35 257-02046	10 258-02046C	—	
Close-off psi — Stainless Steel Trim						
599-02047	0.4	1/2	95 257-02047	45 258-02047C	20 256-02047A	
599-02049	0.63	1/2	95 257-02049	45 258-02049C	20 256-02049A	
599-02051	1	1/2	95 257-02051	45 258-02051C	20 256-02051A	
599-02053	1.6	1/2	95 257-02053	45 258-02053C	20 256-02053A	
599-02055	2.5	1/2	45 257-02055	25 258-02055C	15 256-02055A	
599-02058	4	1/2	45 257-02058	25 258-02058C	15 256-02058A	
599-02061	6.3	3/4	35 257-02061	10 258-02061C	—	
599-02063	10	1	35 257-02063	10 258-02063C	—	
Normally Closed						
Close-off psi — Brass Trim						
599-02000	0.4	1/2	40 257-02000B	95 258-02000C	95 256-02000	
599-02002	0.63	1/2	40 257-02002B	95 258-02002C	95 256-02002	
599-02004	1	1/2	40 257-02004B	95 258-02004C	95 256-02004	
599-02006	1.6	1/2	40 257-02006B	95 258-02006C	95 256-02006	
599-02008	2.5	1/2	28 257-02008B	50 258-02008C	50 256-02008	
599-02010	4	1/2	28 257-02010B	50 258-02010C	50 256-02010	
599-02012	6.3	3/4	18 257-02012B	40 258-02012C	40 256-02012	
599-02014	10	1	18 257-02014B	40 258-02014C	40 256-02014	
Close-off psi — Stainless Steel Trim						
599-02015	0.4	1/2	40 257-02015B	95 258-02015C	95 256-02015	
599-02017	0.63	1/2	40 257-02017B	95 258-02017C	95 256-02017	
599-02019	1	1/2	40 257-02019B	95 258-02019C	95 256-02019	
599-02021	1.6	1/2	40 257-02021B	95 258-02021C	95 256-02021	
599-02023	2.5	1/2	28 257-02023B	50 258-02023C	50 256-02023	
599-02025	4	1/2	28 257-02025B	50 258-02025C	50 256-02025	
599-02027	6.3	3/4	18 257-02027B	40 258-02027C	40 256-02027	
599-02029	10	1	18 257-02029B	40 258-02029C	40 256-02029	

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.



Powermite **Globe** Valve Electronic SR/NSR Actuator Assemblies—MT

ANSI Class 250



• Brass and Stainless Steel Trim

NO/NC 1/2 to 1-1/2"			Spring Return Actuator				Non-Spring Return Actuator			
			Floating		0-10 V		Floating		0-10 V	
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.								
Normally Open										
Close-off psi — Brass Trim										
599-02030	0.4	1/2	120 260-02030	160 266-02030	120 262-02030	160 265-02030	120 259-02030	120 261-02030	160 264-02030	
599-02032	0.63	1/2	120 260-02032	160 266-02032	120 262-02032	160 265-02032	120 259-02032	120 261-02032	160 264-02032	
599-02034	1	1/2	120 260-02034	160 266-02034	120 262-02034	160 265-02034	120 259-02034	120 261-02034	160 264-02034	
599-02036	1.6	1/2	120 260-02036	160 266-02036	120 262-02036	160 265-02036	120 259-02036	120 261-02036	160 264-02036	
599-02038	2.5	1/2	65 260-02038	85 266-02038	65 262-02038	85 265-02038	65 259-02038	65 261-02038	85 264-02038	
599-02041	4	1/2	65 260-02041	85 266-02041	65 262-02041	85 265-02041	65 259-02041	65 261-02041	85 264-02041	
599-02044	6.3	3/4	55 260-02044	70 266-02044	55 262-02044	70 265-02044	55 259-02044	55 261-02044	70 264-02044	
599-02046	10	1	55 260-02046	70 266-02046	55 262-02046	70 265-02046	55 259-02046	55 261-02046	70 264-02046	
Close-off psi — Stainless Steel Trim										
599-02047	0.4	1/2	120 260-02047	160 266-02047	120 262-02047	160 265-02047	120 259-02047	120 261-02047	160 264-02047	
599-02049	0.63	1/2	120 260-02049	160 266-02049	120 262-02049	160 265-02049	120 259-02049	120 261-02049	160 264-02049	
599-02051	1	1/2	120 260-02051	160 266-02051	120 262-02051	160 265-02051	120 259-02051	120 261-02051	160 264-02051	
599-02053	1.6	1/2	120 260-02053	160 266-02053	120 262-02053	160 265-02053	120 259-02053	120 261-02053	160 264-02053	
599-02055	2.5	1/2	65 260-02055	85 266-02055	65 262-02055	85 265-02055	65 259-02055	65 261-02055	85 264-02055	
599-02058	4	1/2	65 260-02058	85 266-02058	65 262-02058	85 265-02058	65 259-02058	65 261-02058	85 264-02058	
599-02061	6.3	3/4	55 260-02061	70 266-02061	55 262-02061	70 265-02061	55 259-02061	55 261-02061	70 264-02061	
599-02063	10	1	55 260-02063	70 266-02063	55 262-02063	70 265-02063	55 259-02063	55 261-02063	70 264-02063	
Normally Closed										
Close-off psi — Brass Trim										
599-02000	0.4	1/2	95 260-02000	95 266-02000	95 262-02000	95 265-02000	95 259-02000	95 261-02000	95 264-02000	
599-02002	0.63	1/2	95 260-02002	95 266-02002	95 262-02002	95 265-02002	95 259-02002	95 261-02002	95 264-02002	
599-02004	1	1/2	95 260-02004	95 266-02004	95 262-02004	95 265-02004	95 259-02004	95 261-02004	95 264-02004	
599-02006	1.6	1/2	95 260-02006	95 266-02006	95 262-02006	95 265-02006	95 259-02006	95 261-02006	95 264-02006	
599-02008	2.5	1/2	50 260-02008	50 266-02008	50 262-02008	50 265-02008	50 259-02008	50 261-02008	50 264-02008	
599-02010	4	1/2	50 260-02010	50 266-02010	50 262-02010	50 265-02010	50 259-02010	50 261-02010	50 264-02010	
599-02012	6.3	3/4	40 260-02012	40 266-02012	40 262-02012	40 265-02012	40 259-02012	40 261-02012	40 264-02012	
599-02014	10	1	40 260-02014	40 266-02014	40 262-02014	40 265-02014	40 259-02014	40 261-02014	40 264-02014	
Close-off psi — Stainless Steel Trim										
599-02015	0.4	1/2	95 260-02015	95 266-02015	95 262-02015	95 265-02015	95 259-02015	95 261-02015	95 264-02015	
599-02017	0.63	1/2	95 260-02017	95 266-02017	95 262-02017	95 265-02017	95 259-02017	95 261-02017	95 264-02017	
599-02019	1	1/2	95 260-02019	95 266-02019	95 262-02019	95 265-02019	95 259-02019	95 261-02019	95 264-02019	
599-02021	1.6	1/2	95 260-02021	95 266-02021	95 262-02021	95 265-02021	95 259-02021	95 261-02021	95 264-02021	
599-02023	2.5	1/2	50 260-02023	50 266-02023	50 262-02023	50 265-02023	50 259-02023	50 261-02023	50 264-02023	
599-02025	4	1/2	50 260-02025	50 266-02025	50 262-02025	50 265-02025	50 259-02025	50 261-02025	50 264-02025	
599-02027	6.3	3/4	40 260-02027	40 266-02027	40 262-02027	40 265-02027	40 259-02027	40 261-02027	40 264-02027	
599-02029	10	1	40 260-02029	40 266-02029	40 262-02029	40 265-02029	40 259-02029	40 261-02029	40 264-02029	

Table Notes:

Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.



Part No. in black box Ships same day when requested through Rapid Response™ shipping. See inside back cover for details.

SIEMENS

D-20

Valves

Powermite **Globe** Valve Pneumatic SR Actuator Assemblies—MT ANSI Class 250



- Brass and Stainless Steel Trim




Water Mixing 1/2 to 1"			Spring Return Actuator		
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.			
			599-01088	599-01088	599-01088
Close-off psi — Brass Trim					
599-02064	0.4	1/2	40	257-02064B	95 258-02064 120 256-02064A
599-02065	0.63	1/2	40	257-02065B	95 258-02065 120 256-02065A
599-02066	1	1/2	40	257-02066B	95 258-02066 120 256-02066A
599-02067	1.6	1/2	40	257-02067B	95 258-02067 120 256-02067A
599-02068	2.5	1/2	28	257-02068B	50 258-02068 65 256-02068A
599-02069	4	1/2	28	257-02069B	50 258-02069 65 256-02069A
599-02070	6.3	3/4	18	257-02070B	40 258-02070 50 256-02070A
599-02071	10	1	18	257-02071B	40 258-02071 50 256-02071A
Close-off psi — Stainless Steel Trim					
599-02072	0.4	1/2	40	257-02072B	95 258-02072 120 256-02072A
599-02073	0.63	1/2	40	257-02073B	95 258-02073 120 256-02073A
599-02074	1	1/2	40	257-02074B	95 258-02074 120 256-02074A
599-02075	1.6	1/2	40	257-02075B	95 258-02075 120 256-02075A
599-02076	2.5	1/2	28	257-02076B	50 258-02076 65 256-02076A
599-02077	4	1/2	28	257-02077B	50 258-02077 65 256-02077A
599-02078	6.3	3/4	18	257-02078B	40 258-02078 50 256-02078A
599-02079	10	1	18	257-02079B	40 258-02079 50 256-02079A

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

Values are for the NC upper port. For NO lower port values, refer to the Engineering Section, I.

Powermite **Globe** Valve Electronic SR/NSR Actuator Assemblies—MT

ANSI Class 250



• Brass and Stainless Steel Trim








Water Mixing 1/2 to 1-1/2"			Spring Return Actuator				Non-Spring Return Actuator			
			Floating		0-10 V		Floating	0-10 V		
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.								
			SSC81.5U	SQS85.53U	SSC61.5U	SQS65.5U	SSC81U	SSC61U	SQS65U	
Close-off psi — Brass Trim										
599-02064	0.4	1/2	95 260-02064	95 266-02064	95 262-02064	95 265-02064	95 259-02064	95 261-02064	95 264-02064	
599-02065	0.63	1/2	95 260-02065	95 266-02065	95 262-02065	95 265-02065	95 259-02065	95 261-02065	95 264-02065	
599-02066	1	1/2	95 260-02066	95 266-02066	95 262-02066	95 265-02066	95 259-02066	95 261-02066	95 264-02066	
599-02067	1.6	1/2	95 260-02067	95 266-02067	95 262-02067	95 265-02067	95 259-02067	95 261-02067	95 264-02067	
599-02068	2.5	1/2	50 260-02068	50 266-02068	50 262-02068	50 265-02068	50 259-02068	50 261-02068	50 264-02068	
599-02069	4	1/2	50 260-02069	50 266-02069	50 262-02069	50 265-02069	50 259-02069	50 261-02069	50 264-02069	
599-02070	6.3	3/4	40 260-02070	40 266-02070	40 262-02070	40 265-02070	40 259-02070	40 261-02070	40 264-02070	
599-02071	10	1	40 260-02071	40 266-02071	40 262-02071	40 265-02071	40 259-02071	40 261-02071	40 264-02071	
Close-off psi — Stainless Steel Trim										
599-02072	0.4	1/2	95 260-02072	95 266-02072	95 262-02072	95 265-02072	95 259-02072	95 261-02072	95 264-02072	
599-02073	0.63	1/2	95 260-02073	95 266-02073	95 262-02073	95 265-02073	95 259-02073	95 261-02073	95 264-02073	
599-02074	1	1/2	95 260-02074	95 266-02074	95 262-02074	95 265-02074	95 259-02074	95 261-02074	95 264-02074	
599-02075	1.6	1/2	95 260-02075	95 266-02075	95 262-02075	95 265-02075	95 259-02075	95 261-02075	95 264-02075	
599-02076	2.5	1/2	50 260-02076	50 266-02076	50 262-02076	50 265-02076	50 259-02076	50 261-02076	50 264-02076	
599-02077	4	1/2	50 260-02077	50 266-02077	50 262-02077	50 265-02077	50 259-02077	50 261-02077	50 264-02077	
599-02078	6.3	3/4	40 260-02078	40 266-02078	40 262-02078	40 265-02078	40 259-02078	40 261-02078	40 264-02078	
599-02079	10	1	40 260-02079	40 266-02079	40 262-02079	40 265-02079	40 259-02079	40 261-02079	40 264-02079	

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values are for the NC upper port. For NO lower port values, refer to the Engineering Section, I.

D-22

Valves

Flowrite **Globe** Valve Pneumatic SR Actuator Assemblies ANSI Class 250



- Brass and Stainless Steel Trim

Table Notes:

Normally Open Values in chart are for 15 psi supplied to the actuator.
Normally Closed Values in chart are for 0 psi supplied to the actuator.






NO/NC Equal Percentage 1/2 to 2"			Spring Return Actuator						
			NO 4" 3-8 psi NC 4" 10-15 psi		8"		8" with Positioner		
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.							
			599-01081 – NO 599-01083 – NC	599-01050	599-01050 + 599-00426				
Normally Open									
Close-off psi — Brass Trim									
	599-03162	1	1/2	142	268-03162	250	277-03162	250	283-03162
	599-03163	1.6	1/2	142	268-03163	250	277-03163	250	283-03163
	599-03164	2.5	1/2	142	268-03164	250	277-03164	250	283-03164
	599-03165	4	1/2	142	268-03165	250	277-03165	250	283-03165
	599-03166	6.3	3/4	80	268-03166	231	277-03166	231	283-03166
	599-03167	10	1	52	268-03167	150	277-03167	150	283-03167
	599-03168	16	1-1/4	32	268-03168	93	277-03168	93	283-03168
	599-03169	25	1-1/2	20	268-03169	60	277-03169	60	283-03169
	599-03170	40	2	12	268-03170	37	277-03170	37	283-03170
Close-off psi — Stainless Steel Trim									
	599-03108	1	1/2	142	268-03108	250	277-03108	250	283-03108
	599-03109	1.6	1/2	142	268-03109	250	277-03109	250	283-03109
	599-03110	2.5	1/2	142	268-03110	250	277-03110	250	283-03110
	599-03111	4	1/2	142	268-03111	250	277-03111	250	283-03111
	599-03112	6.3	3/4	80	268-03112	231	277-03112	231	283-03112
	599-03113	10	1	52	268-03113	150	277-03113	150	283-03113
	599-03114	16	1-1/4	32	268-03114	93	277-03114	93	283-03114
	599-03115	25	1-1/2	20	268-03115	60	277-03115	60	283-03115
	599-03116	40	2	12	268-03116	37	277-03116	37	283-03116
Normally Closed									
Close-off psi — Brass Trim									
	599-03180	1	1/2	236	270-03180	250	277-03180	250	283-03180
	599-03181	1.6	1/2	236	270-03181	250	277-03181	250	283-03181
	599-03182	2.5	1/2	236	270-03182	250	277-03182	250	283-03182
	599-03183	4	1/2	236	270-03183	250	277-03183	250	283-03183
	599-03184	6.3	3/4	155	270-03184	250	277-03184	250	283-03184
	599-03185	10	1	91	270-03185	250	277-03185	250	283-03185
	599-03186	16	1-1/4	52	270-03186	148	277-03186	148	283-03186
	599-03187	25	1-1/2	32	270-03187	92	277-03187	92	283-03187
	599-03188	40	2	20	270-03188	55	277-03188	55	283-03188
Close-off psi — Stainless Steel Trim									
	599-03126	1	1/2	236	270-03126	250	277-03126	250	283-03126
	599-03127	1.6	1/2	236	270-03127	250	277-03127	250	283-03127
	599-03128	2.5	1/2	236	270-03128	250	277-03128	250	283-03128
	599-03129	4	1/2	236	270-03129	250	277-03129	250	283-03129
	599-03130	6.3	3/4	155	270-03130	250	277-03130	250	283-03130
	599-03131	10	1	91	270-03131	250	277-03131	250	283-03131
	599-03132	16	1-1/4	52	270-03132	148	277-03132	148	283-03132
	599-03133	25	1-1/2	32	270-03133	92	277-03133	92	283-03133
	599-03134	40	2	20	270-03134	55	277-03134	55	283-03134

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Electronic SR Actuator Assemblies

ANSI Class 250



• Brass and Stainless Steel Trim

NO/NC Equal Percentage 1/2 to 2"			Spring Return Actuator				
			2P	Floating	0-10 V	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.					
			599-03611	SKD82.51U	599-03609	SKD62U	SKB62U
Normally Open							
Close-off psi — Brass Trim							
599-03162	1	1/2	250 299-03162	250 276-03162	250 298-03162	250 274-03162	—
599-03163	1.6	1/2	250 299-03163	250 276-03163	250 298-03163	250 274-03163	—
599-03164	2.5	1/2	250 299-03164	250 276-03164	250 298-03164	250 274-03164	—
599-03165	4	1/2	250 299-03165	250 276-03165	250 298-03165	250 274-03165	—
599-03166	6.3	3/4	231 299-03166	250 276-03166	231 298-03166	250 274-03166	—
599-03167	10	1	149 299-03167	201 276-03167	149 298-03167	201 274-03167	250 291-03167
599-03168	16	1-1/4	92 299-03168	124 276-03168	92 298-03168	124 274-03168	250 291-03168
599-03169	25	1-1/2	59 299-03169	80 276-03169	59 298-03169	80 274-03169	250 291-03169
599-03170	40	2	36 299-03170	49 276-03170	36 298-03170	49 274-03170	201 291-03170
Close-off psi — Stainless Steel Trim							
599-03108	1	1/2	250 299-03108	250 276-03108	250 298-03108	250 274-03108	—
599-03109	1.6	1/2	250 299-03109	250 276-03109	250 298-03109	250 274-03109	—
599-03110	2.5	1/2	250 299-03110	250 276-03110	250 298-03110	250 274-03110	—
599-03111	4	1/2	250 299-03111	250 276-03111	250 298-03111	250 274-03111	—
599-03112	6.3	3/4	231 299-03112	250 276-03112	231 298-03112	250 274-03112	—
599-03113	10	1	149 299-03113	201 276-03113	149 298-03113	201 274-03113	250 291-03113
599-03114	16	1-1/4	92 299-03114	124 276-03114	92 298-03114	124 274-03114	250 291-03114
599-03115	25	1-1/2	59 299-03115	80 276-03115	59 298-03115	80 274-03115	250 291-03115
599-03116	40	2	36 299-03116	49 276-03116	36 298-03116	49 274-03116	201 291-03116
Normally Closed							
Close-off psi — Brass Trim							
599-03180	1	1/2	250 299-03180	250 276-03180	250 298-03180	250 274-03180	—
599-03181	1.6	1/2	250 299-03181	250 276-03181	250 298-03181	250 274-03181	—
599-03182	2.5	1/2	250 299-03182	250 276-03182	250 298-03182	250 274-03182	—
599-03183	4	1/2	250 299-03183	250 276-03183	250 298-03183	250 274-03183	—
599-03184	6.3	3/4	250 299-03184	250 276-03184	250 298-03184	250 274-03184	—
599-03185	10	1	173 299-03185	203 276-03185	173 298-03185	203 274-03185	250 291-03185
599-03186	16	1-1/4	100 299-03186	117 276-03186	100 298-03186	117 274-03186	250 291-03186
599-03187	25	1-1/2	61 299-03187	73 276-03187	61 298-03187	73 274-03187	208 291-03187
599-03188	40	2	37 299-03188	44 276-03188	37 298-03188	44 274-03188	126 291-03188
Close-off psi — Stainless Steel Trim							
599-03126	1	1/2	250 299-03126	250 276-03126	250 298-03126	250 274-03126	—
599-03127	1.6	1/2	250 299-03127	250 276-03127	250 298-03127	250 274-03127	—
599-03128	2.5	1/2	250 299-03128	250 276-03128	250 298-03128	250 274-03128	—
599-03129	4	1/2	250 299-03129	250 276-03129	250 298-03129	250 274-03129	—
599-03130	6.3	3/4	250 299-03130	250 276-03130	250 298-03130	250 274-03130	—
599-03131	10	1	173 299-03131	203 276-03131	173 298-03131	203 274-03131	250 291-03131
599-03132	16	1-1/4	100 299-03132	117 276-03132	100 298-03132	117 274-03132	250 291-03132
599-03133	25	1-1/2	61 299-03133	73 276-03133	61 298-03133	73 274-03133	208 291-03133
599-03134	40	2	37 299-03134	44 276-03134	37 298-03134	44 274-03134	126 291-03134

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Electronic NSR Actuator Assemblies

ANSI Class 250

Reference and Selection Tables

- Brass and Stainless Steel Trim



NO/NC Equal Percentage 1/2 to 2"			Non-Spring Return Actuator								
			Floating 30 sec.	Floating 120 sec.	Floating	0-10 Vdc 4-20 mA					
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.									
			SQX82.03U	SQX82.00U	SKD82.50U	SQX62U					
Normally Open											
Close-off psi — Brass Trim											
	599-03162	1	1/2	250	273-03162	250	272-03162	250	275-03162	250	271-03162
	599-03163	1.6	1/2	250	273-03163	250	272-03163	250	275-03163	250	271-03163
	599-03164	2.5	1/2	250	273-03164	250	272-03164	250	275-03164	250	271-03164
	599-03165	4	1/2	250	273-03165	250	272-03165	250	275-03165	250	271-03165
	599-03166	6.3	3/4	173	273-03166	173	272-03166	250	275-03166	173	271-03166
	599-03167	10	1	112	273-03167	112	272-03167	201	275-03167	112	271-03167
	599-03168	16	1-1/4	69	273-03168	69	272-03168	124	275-03168	69	271-03168
	599-03169	25	1-1/2	44	273-03169	44	272-03169	80	275-03169	44	271-03169
	599-03170	40	2	27	273-03170	27	272-03170	49	275-03170	27	271-03170
Close-off psi — Stainless Steel Trim											
	599-03108	1	1/2	250	273-03108	250	272-03108	250	275-03108	250	271-03108
	599-03109	1.6	1/2	250	273-03109	250	272-03109	250	275-03109	250	271-03109
	599-03110	2.5	1/2	250	273-03110	250	272-03110	250	275-03110	250	271-03110
	599-03111	4	1/2	250	273-03111	250	272-03111	250	275-03111	250	271-03111
	599-03112	6.3	3/4	173	273-03112	173	272-03112	250	275-03112	173	271-03112
	599-03113	10	1	112	273-03113	112	272-03113	201	275-03113	112	271-03113
	599-03114	16	1-1/4	69	273-03114	69	272-03114	124	275-03114	69	271-03114
	599-03115	25	1-1/2	44	273-03115	44	272-03115	80	275-03115	44	271-03115
	599-03116	40	2	27	273-03116	27	272-03116	49	275-03116	27	271-03116
Normally Closed											
Close-off psi — Brass Trim											
	599-03180	1	1/2	250	273-03180	250	272-03180	250	275-03180	250	271-03180
	599-03181	1.6	1/2	250	273-03181	250	272-03181	250	275-03181	250	271-03181
	599-03182	2.5	1/2	250	273-03182	250	272-03182	250	275-03182	250	271-03182
	599-03183	4	1/2	250	273-03183	250	272-03183	250	275-03183	250	271-03183
	599-03184	6.3	3/4	221	273-03184	221	272-03184	250	275-03184	221	271-03184
	599-03185	10	1	130	273-03185	130	272-03185	203	275-03185	130	271-03185
	599-03186	16	1-1/4	75	273-03186	75	272-03186	117	275-03186	75	271-03186
	599-03187	25	1-1/2	46	273-03187	46	272-03187	73	275-03187	46	271-03187
	599-01388	40	2	28	273-03188	28	272-03188	44	275-03188	28	271-03188
Close-off psi — Stainless Steel Trim											
	599-03126	1	1/2	250	273-03126	250	272-03126	250	275-03126	250	271-03126
	599-03127	1.6	1/2	250	273-03127	250	272-03127	250	275-03127	250	271-03127
	599-03128	2.5	1/2	250	273-03128	250	272-03128	250	275-03128	250	271-03128
	599-03129	4	1/2	250	273-03129	250	272-03129	250	275-03129	250	271-03129
	599-03130	6.3	3/4	221	273-03130	221	272-03130	250	275-03130	221	271-03130
	599-03131	10	1	130	273-03131	130	272-03131	203	275-03131	130	271-03131
	599-03132	16	1-1/4	75	273-03132	75	272-03132	117	275-03132	75	271-03132
	599-03133	25	1-1/2	46	273-03133	46	272-03133	73	275-03133	46	271-03133
	599-03134	40	2	28	273-03134	28	272-03134	44	275-03134	28	271-03134

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Pneumatic SR Actuator Assemblies

ANSI Class 250



- Stainless Steel Trim
- Standard Temperature Range is 20° F to 250° F (-7° C to 120° C)
- High Temperature Range is 337° F max. (170° C)

Table Notes:

Normally Open Values in chart are for 15 psi supplied to the actuator.

Normally Closed Values in chart are for 0 psi supplied to the actuator.

NO/NC Linear 1/2 to 2"			Spring Return Actuator							
			NO 4" 3-8 psi NC 4" 10-15 psi	8"	8" High Temp.	8" with Positioner	8" High Temp. with Positioner			
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.								
			599-01081 – NO 599-01083 – NC	599-01050	599-01051	599-01050 + 599-00426	599-01051 + 599-00426			
Normally Open										
Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
599-03000	1	1/2	142	268-03000	250	277-03000	—	250	283-03000	—
599-03001	1.6	1/2	142	268-03001	250	277-03001	—	250	283-03001	—
599-03002	2.5	1/2	142	268-03002	250	277-03002	—	250	283-03002	—
599-03003	4	1/2	142	268-03003	250	277-03003	—	250	283-03003	—
599-03004	6.3	3/4	80	268-03004	231	277-03004	—	231	283-03004	—
599-03005	10	1	52	268-03005	150	277-03005	—	150	283-03005	—
599-03006	16	1-1/4	32	268-03006	93	277-03006	—	93	283-03006	—
599-03007	25	1-1/2	20	268-03007	60	277-03007	—	60	283-03007	—
599-03008	40	2	12	268-03008	37	277-03008	—	37	283-03008	—
Close-off psi — Stainless Steel Trim/High-Temperature Packing										
599-03054	1	1/2	142	268-03054	250	277-03054	250	278-03054	283-03054	250
599-03055	1.6	1/2	142	268-03055	250	277-03055	250	278-03055	283-03055	250
599-03056	2.5	1/2	142	268-03056	250	277-03056	250	278-03056	283-03056	250
599-03057	4	1/2	142	268-03057	250	277-03057	250	278-03057	283-03057	250
599-03058	6.3	3/4	80	268-03058	231	277-03058	231	278-03058	283-03058	231
599-03059	10	1	52	268-03059	150	277-03059	150	278-03059	283-03059	150
599-03060	16	1-1/4	32	268-03060	93	277-03060	93	278-03060	283-03060	93
599-03061	25	1-1/2	20	268-03061	60	277-03061	60	278-03061	283-03061	60
599-03062	40	2	12	268-03062	37	277-03062	37	278-03062	283-03062	37
Normally Closed										
Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
599-03018	1	1/2	236	270-03018	250	277-03018	—	250	283-03018	—
599-03019	1.6	1/2	236	270-03019	250	277-03019	—	250	283-03019	—
599-03020	2.5	1/2	236	270-03020	250	277-03020	—	250	283-03020	—
599-03021	4	1/2	236	270-03021	250	277-03021	—	250	283-03021	—
599-03022	6.3	3/4	155	270-03022	250	277-03022	—	250	283-03022	—
599-03023	10	1	91	270-03023	250	277-03023	—	250	283-03023	—
599-03024	16	1-1/4	52	270-03024	148	277-03024	—	148	283-03024	—
599-03025	25	1-1/2	32	270-03025	92	277-03025	—	92	283-03025	—
599-03026	40	2	20	270-03026	55	277-03026	—	55	283-03026	—
Close-off psi — Stainless Steel Trim/High-Temperature Packing										
599-03072	1	1/2	236	270-03072	250	277-03072	250	278-03072	283-03072	250
599-03073	1.6	1/2	236	270-03073	250	277-03073	250	278-03073	283-03073	250
599-03074	2.5	1/2	236	270-03074	250	277-03074	250	278-03074	283-03074	250
599-03075	4	1/2	236	270-03075	250	277-03075	250	278-03075	283-03075	250
599-03076	6.3	3/4	155	270-03076	250	277-03076	250	278-03076	283-03076	250
599-03077	10	1	91	270-03077	250	277-03077	250	278-03077	283-03077	250
599-03078	16	1-1/4	52	270-03078	148	277-03078	148	278-03078	283-03078	148
599-03079	25	1-1/2	32	270-03079	92	277-03079	92	278-03079	283-03079	92
599-03080	40	2	20	270-03080	55	277-03080	55	278-03080	283-03080	55

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Electronic SR Actuator Assemblies

ANSI Class 250

- Stainless Steel Trim
- Standard Temperature Range is 20° F to 250° F (-7° C to 120° C)
- High Temperature Range is 337° F max. (170° C)



NO/NC Linear 1/2 to 2"			Spring Return Actuator										
			2P	Floating	0-10 V	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA						
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.											
			599-03611	SKD82.51U	599-03609	SKD62U	SKB62U						
Normally Open			Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
	599-03000	1	1/2	250	299-03000	250	276-03000	250	298-03000	250	274-03000	—	
	599-03001	1.6	1/2	250	299-03001	250	276-03001	250	298-03001	250	274-03001	—	
	599-03002	2.5	1/2	250	299-03002	250	276-03002	250	298-03002	250	274-03002	—	
	599-03003	4	1/2	250	299-03003	250	276-03003	250	298-03003	250	274-03003	—	
	599-03004	6.3	3/4	231	299-03004	250	276-03004	231	298-03004	250	274-03004	—	
	599-03005	10	1	149	299-03005	201	276-03005	149	298-03005	201	274-03005	250	291-03005
	599-03006	16	1-1/4	92	299-03006	124	276-03006	92	298-03006	124	274-03006	250	291-03006
	599-03007	25	1-1/2	59	299-03007	80	276-03007	59	298-03007	80	274-03007	250	291-03007
	599-03008	40	2	36	299-03008	49	276-03008	36	298-03008	49	274-03008	201	291-03008
				Close-off psi — Stainless Steel Trim/High Temperature Packing									
599-03054	1	1/2	—	—	250	276-03054	—	—	250	274-03054	—		
599-03055	1.6	1/2	—	—	250	276-03055	—	—	250	274-03055	—		
599-03056	2.5	1/2	—	—	250	276-03056	—	—	250	274-03056	—		
599-03057	4	1/2	—	—	250	276-03057	—	—	250	274-03057	—		
599-03058	6.3	3/4	—	—	250	276-03058	—	—	250	274-03058	—		
599-03059	10	1	—	—	201	276-03059	—	—	201	274-03059	250	291-03059	
599-03060	16	1-1/4	—	—	124	276-03060	—	—	124	274-03060	250	291-03060	
599-03061	25	1-1/2	—	—	80	276-03061	—	—	80	274-03061	250	291-03061	
599-03062	40	2	—	—	49	276-03062	—	—	49	274-03062	201	291-03062	
Normally Closed			Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
	599-03018	1	1/2	250	299-03018	250	276-03018	250	298-03018	250	274-03018	—	
	599-03019	1.6	1/2	250	299-03019	250	276-03019	250	298-03019	250	274-03019	—	
	599-03020	2.5	1/2	250	299-03020	250	276-03020	250	298-03020	250	274-03020	—	
	599-03021	4	1/2	250	299-03021	250	276-03021	250	298-03021	250	274-03021	—	
	599-03022	6.3	3/4	250	299-03022	250	276-03022	250	298-03022	250	274-03022	—	
	599-03023	10	1	173	299-03023	203	276-03023	173	298-03023	203	274-03023	250	291-03023
	599-03024	16	1-1/4	100	299-03024	117	276-03024	100	298-03024	117	274-03024	250	291-03024
	599-03025	25	1-1/2	61	299-03025	73	276-03025	61	298-03025	73	274-03025	208	291-03025
	599-03026	40	2	37	299-03026	44	276-03026	37	298-03026	44	274-03026	126	291-03026
				Close-off psi — Stainless Steel Trim/High-Temperature Packing									
599-03072	1	1/2	—	—	250	276-03072	—	—	250	274-03072	—		
599-03073	1.6	1/2	—	—	250	276-03073	—	—	250	274-03073	—		
599-03074	2.5	1/2	—	—	250	276-03074	—	—	250	274-03074	—		
599-03075	4	1/2	—	—	250	276-03075	—	—	250	274-03075	—		
599-03076	6.3	3/4	—	—	250	276-03076	—	—	250	274-03076	—		
599-03077	10	1	—	—	203	276-03077	—	—	203	274-03077	250	291-03077	
599-03078	16	1-1/4	—	—	117	276-03078	—	—	117	274-03078	250	291-03078	
599-03079	25	1-1/2	—	—	73	276-03079	—	—	73	274-03079	208	291-03079	
599-03080	40	2	—	—	44	276-03080	—	—	44	274-03080	126	291-03080	

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Electronic NSR Actuator Assemblies

ANSI Class 250



- Stainless Steel Trim
- Standard Temperature Range is 20° F to 250° F (-7° C to 120° C)
- High Temperature Range is 337° F max. (170° C)





NO/NC Linear 1/2 to 2"			Non-Spring Return Actuator							
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.	Floating 30 sec.	Floating 120 sec.	Floating	0-10 Vdc 4-20 mA				
			 SQX82.03U	 SQX82.00U	 SKD82.50U	 SQX62U				
Normally Open										
Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
599-03000	1	1/2	250	273-03000	250	272-03000	250	275-03000	250	271-03000
599-03001	1.6	1/2	250	273-03001	250	272-03001	250	275-03001	250	271-03001
599-03002	2.5	1/2	250	273-03002	250	272-03002	250	275-03002	250	271-03002
599-03003	4	1/2	250	273-03003	250	272-03003	250	275-03003	250	271-03003
599-03004	6.3	3/4	173	273-03004	173	272-03004	250	275-03004	173	271-03004
599-03005	10	1	112	273-03005	112	272-03005	201	275-03005	112	271-03005
599-03006	16	1-1/4	69	273-03006	69	272-03006	124	275-03006	69	271-03006
599-03007	25	1-1/2	44	273-03007	44	272-03007	80	275-03007	44	271-03007
599-03008	40	2	27	273-03008	27	272-03008	49	275-03008	27	271-03008
Close-off psi — Stainless Steel Trim/High Temperature Packing										
599-03054	1	1/2	250	273-03054	250	272-03054	250	275-03054	250	271-03054
599-03055	1.6	1/2	250	273-03055	250	272-03055	250	275-03055	250	271-03055
599-03056	2.5	1/2	250	273-03056	250	272-03056	250	275-03056	250	271-03056
599-03057	4	1/2	250	273-03057	250	272-03057	250	275-03057	250	271-03057
599-03058	6.3	3/4	173	273-03058	173	272-03058	250	275-03058	173	271-03058
599-03059	10	1	112	273-03059	112	272-03059	201	275-03059	112	271-03059
599-03060	16	1-1/4	69	273-03060	69	272-03060	124	275-03060	69	271-03060
599-03061	25	1-1/2	44	273-03061	44	272-03061	80	275-03061	44	271-03061
599-03062	40	2	27	273-03062	27	272-03062	49	275-03062	27	271-03062
Normally Closed										
Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
599-03018	1	1/2	250	273-03018	250	272-03018	250	275-03018	250	271-03018
599-03019	1.6	1/2	250	273-03019	250	272-03019	250	275-03019	250	271-03019
599-03020	2.5	1/2	250	273-03020	250	272-03020	250	275-03020	250	271-03020
599-03021	4	1/2	250	273-03021	250	272-03021	250	275-03021	250	271-03021
599-03022	6.3	3/4	221	273-03022	221	272-03022	250	275-03022	221	271-03022
599-03023	10	1	130	273-03023	130	272-03023	203	275-03023	130	271-03023
599-03024	16	1-1/4	75	273-03024	75	272-03024	117	275-03024	75	271-03024
599-03025	25	1-1/2	46	273-03025	46	272-03025	73	275-03025	46	271-03025
599-03026	40	2	28	273-03026	28	272-03026	44	275-03026	28	271-03026
Close-off psi — Stainless Steel Trim/High Temperature Packing										
599-03072	1	1/2	250	273-03072	250	272-03072	250	275-03072	250	271-03072
599-03073	1.6	1/2	250	273-03073	250	272-03073	250	275-03073	250	271-03073
599-03074	2.5	1/2	250	273-03074	250	272-03074	250	275-03074	250	271-03074
599-03075	4	1/2	250	273-03075	250	272-03075	250	275-03075	250	271-03075
599-03076	6.3	3/4	221	273-03076	221	272-03076	250	275-03076	221	271-03076
599-03077	10	1	130	273-03077	130	272-03077	203	275-03077	130	271-03077
599-03078	16	1-1/4	75	273-03078	75	272-03078	117	275-03078	75	271-03078
599-03079	25	1-1/2	46	273-03079	46	272-03079	73	275-03079	46	271-03079
599-03080	40	2	28	273-03080	28	272-03080	44	275-03080	28	271-03080

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Flowrite **Globe** Valve Pneumatic SR Actuator Assemblies ANSI Class 250

- Brass and Stainless Steel Trim









Mixing 1/2 to 2"			Spring Return Actuator							
			4" 3-8 psi	4" 5-10 psi	4" 10-15 psi	8"	8" with Positioner			
3-way Valve Body Part No. 	Flow Rate Cv	Valve Size in.								
			599-01081	599-01082	599-01083	599-01050	599-01050 + 599-00426			
	Close-off psi — Brass Trim									
	599-03198	1	1/2	236 268-03198	236 269-03198	236 270-03198	250 277-03198	250 283-03198		
	599-03199	1.6	1/2	236 268-03199	236 269-03199	236 270-03199	250 277-03199	250 283-03199		
	599-03200	2.5	1/2	236 268-03200	236 269-03200	236 270-03200	250 277-03200	250 283-03200		
	599-03201	4	1/2	236 268-03201	236 269-03201	236 270-03201	250 277-03201	250 283-03201		
	599-03202	6.3	3/4	155 268-03202	155 269-03202	155 270-03202	250 277-03202	250 283-03202		
	599-03203	10	1	91 268-03203	91 269-03203	91 270-03203	250 277-03203	250 283-03203		
	599-03204	16	1-1/4	52 268-03204	52 269-03204	52 270-03204	148 277-03204	148 283-03204		
	599-03205	25	1-1/2	32 268-03205	32 269-03205	32 270-03205	92 277-03205	92 283-03205		
	599-03206	40	2	20 268-03206	20 269-03206	20 270-03206	55 277-03206	55 283-03206		
	Close-off psi — Stainless Steel Trim									
	599-03144	1	1/2	236 268-03144	236 269-03144	236 270-03144	250 277-03144	250 283-03144		
	599-03145	1.6	1/2	236 268-03145	236 269-03145	236 270-03145	250 277-03145	250 283-03145		
	599-03146	2.5	1/2	236 268-03146	236 269-03146	236 270-03146	250 277-03146	250 283-03146		
	599-03147	4	1/2	236 268-03147	236 269-03147	236 270-03147	250 277-03147	250 283-03147		
	599-03148	6.3	3/4	155 268-03148	155 269-03148	155 270-03148	250 277-03148	250 283-03148		
	599-03149	10	1	91 268-03149	91 269-03149	91 270-03149	250 277-03149	250 283-03149		
	599-03150	16	1-1/4	52 268-03150	52 269-03150	52 270-03150	148 277-03150	148 283-03150		
599-03151	25	1-1/2	32 268-03151	32 269-03151	32 270-03151	92 277-03151	92 283-03151			
599-03152	40	2	20 268-03152	20 269-03152	20 270-03152	55 277-03152	55 283-03152			

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

For 3 way, values are for the NC upper port. For NO lower port values, refer to the Engineering Section I.

Flowrite **Globe** Valve Electronic SR Actuator Assemblies

ANSI Class 250



• Brass and Stainless Steel Trim

D-30

Valves






Mixing 1/2 to 2"			Spring Return Actuator									
			2P	Floating	0-10 V	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA					
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.										
			599-03611	SKD82.51U	599-03609	SKD62U	SKB62U					
Close-off psi — Brass Trim												
599-03198	1	1/2	250	299-03198	250	276-03198	50	298-03198	250	274-03198	—	
599-03199	1.6	1/2	250	299-03199	250	276-03199	250	298-03199	250	274-03199	—	
599-03200	2.5	1/2	250	299-03200	250	276-03200	250	298-03200	250	274-03200	—	
599-03201	4	1/2	250	299-03201	250	276-03201	250	298-03201	250	274-03201	—	
599-03202	6.3	3/4	250	299-03202	250	276-03202	250	298-03202	250	274-03202	—	
599-03203	10	1	173	299-03203	203	276-03203	173	298-03203	203	274-03203	250	291-03203
599-03204	16	1-1/4	100	299-03204	117	276-03204	100	298-03204	117	274-03204	250	291-03204
599-03205	25	1-1/2	61	299-03205	73	276-03205	61	298-03205	73	274-03205	208	291-03205
599-03206	40	2	37	299-03206	44	276-03206	37	298-03206	44	274-03206	126	291-03206
Close-off psi — Stainless Steel Trim												
599-03144	1	1/2	250	299-03144	250	276-03144	250	298-03144	250	274-03144	—	
599-03145	1.6	1/2	250	299-03145	250	276-03145	250	298-03145	250	274-03145	—	
599-03146	2.5	1/2	250	299-03146	250	276-03146	250	298-03146	250	274-03146	—	
599-03147	4	1/2	250	299-03147	250	276-03147	250	298-03147	250	274-03147	—	
599-03148	6.3	3/4	250	299-03148	250	276-03148	250	298-03148	250	274-03148	—	
599-03149	10	1	173	299-03149	203	276-03149	173	298-03149	203	274-03149	250	291-03149
599-03150	16	1-1/4	100	299-03150	117	276-03150	100	298-03150	117	274-03150	250	291-03150
599-03151	25	1-1/2	61	299-03151	73	276-03151	61	298-03151	73	274-03151	208	291-03151
599-03152	40	2	37	299-03152	44	276-03152	37	298-03152	44	274-03152	126	291-03152

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

For 3 way, values are for the NC upper port. For NO lower port values, refer to the Engineering Section I.

Flowrite **Globe** Valve Electronic NSR Actuator Assemblies ANSI Class 250

- Brass and Stainless Steel Trim



Mixing 1/2 to 2"			Non-Spring Return Actuator							
			Floating 30 sec.		Floating 120 sec.		Floating		0-10 Vdc 4-20 mA	
3-way Valve Body Part No.	Flow Rate Cv	Valve Size in.	SQX82.03U		SQX82.00U		SKD82.50U		SQX62U	
Close-off psi — Stainless Steel Trim/Standard Temperature Packing										
599-03198	1	1/2	250	273-03198	250	272-03198	250	275-03198	250	271-03198
599-03199	1.6	1/2	250	273-03199	250	272-03199	250	275-03199	250	271-03199
599-03200	2.5	1/2	250	273-03200	250	272-03200	250	275-03200	250	271-03200
599-03201	4	1/2	250	273-03201	250	272-03201	250	275-03201	250	271-03201
599-03202	6.3	3/4	221	273-03202	221	272-03202	250	275-03202	221	271-03202
599-03203	10	1	130	273-03203	130	272-03203	203	275-03203	130	271-03203
599-03204	16	1-1/4	75	273-03204	75	272-03204	117	275-03204	75	271-03204
599-03205	25	1-1/2	46	273-03205	46	272-03205	73	275-03205	46	271-03205
599-03206	40	2	28	273-03206	28	272-03206	44	275-03206	28	271-03206
Close-off psi — Stainless Steel Trim/High Temperature Packing										
599-03144	1	1/2	250	273-03144	250	272-03144	250	275-03144	250	271-03144
599-03145	1.6	1/2	250	273-03145	250	272-03145	250	275-03145	250	271-03145
599-03146	2.5	1/2	250	273-03146	250	272-03146	250	275-03146	250	271-03146
599-03147	4	1/2	250	273-03147	250	272-03147	250	275-03147	250	271-03147
599-03148	6.3	3/4	221	273-03148	221	272-03148	250	275-03148	221	271-03148
599-03149	10	1	130	273-03149	130	272-03149	203	275-03149	130	271-03149
599-03150	16	1-1/4	75	273-03150	75	272-03150	117	275-03150	75	271-03150
599-03151	25	1-1/2	46	273-03151	46	272-03151	73	275-03151	46	271-03151
599-03152	40	2	28	273-03152	28	272-03152	44	275-03152	28	271-03152

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

For 3 way, values are for the NC upper port. For NO lower port values, refer to page I-10 in the Engineering Section I.

D-31

Valves

Flowrite **Globe** Valve Pneumatic SR Actuator Assemblies

ANSI Class 125



- Bronze and Stainless Steel Trim
- Flanged

D-32

Valves







NO/NC Equal Percentage Flanged 2-1/2 to 6"			Spring Return Actuator					
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.	8"	12"	12"	8" w/Positioner	12" w/Positioner	12" w/Positioner
			20 mm Stroke	20 mm Stroke	40 mm Stroke	20 mm Stroke	20 mm Stroke	40 mm Stroke
								
			599-01050	599-01010	599-01000	599-01050 + 599-00426	599-01010 + 599-00423	599-01000 + 599-00423
Normally Open								
Close-off psi — Brass Trim								
599-05980	63	2-1/2	31 277-05980	95 279-05980	—	31 283-05980	95 285-05980	—
599-05981	100	3	20 277-05981	63 279-05981	—	20 283-05981	63 285-05981	—
599-05982	160	4	—	—	40 281-05982	—	—	40 287-05982
599-05983	250	5	—	—	26 281-05983	—	—	26 287-05983
599-05984	400	6	—	—	18 281-05984	—	—	18 287-05984
Close-off psi — Stainless Steel Trim								
599-05960	63	2-1/2	31 277-05960	95 279-05960	—	31 283-05960	95 285-05960	—
599-05961	100	3	20 277-05961	63 279-05961	—	20 283-05961	63 285-05961	—
599-05962	160	4	—	—	40 281-05962	—	—	40 287-05962
599-05963	250	5	—	—	26 281-05963	—	—	26 287-05963
599-05964	400	6	—	—	18 281-05964	—	—	18 287-05964
Normally Closed								
Close-off psi — Bronze Trim								
599-05990	63	2-1/2	36 277-05990	114 279-05990	—	36 283-05990	114 285-05990	—
599-05991	100	3	23 277-05991	74 279-05991	—	23 283-05991	74 285-05991	—
599-05992	160	4	—	—	46 281-05992	—	—	46 287-05992
599-05993	250	5	—	—	29 281-05993	—	—	29 287-05993
599-05994	400	6	—	—	20 281-05994	—	—	20 287-05994
Close-off psi — Stainless Steel Trim								
599-05970	63	2-1/2	36 277-05970	114 279-05970	—	36 283-05970	114 285-05970	—
599-05971	100	3	23 277-05971	74 279-05971	—	23 283-05971	74 285-05971	—
599-05972	160	4	—	—	46 281-05972	—	—	46 287-05972
599-05973	250	5	—	—	29 281-05973	—	—	29 287-05973
599-05974	400	6	—	—	20 281-05974	—	—	20 287-05974

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values for Normally Open in chart are for 15 psi supplied to the actuator.

Values for Normally Closed in chart are for 0 psi supplied to the actuator.

Flowrite **Globe** Valve Electronic SR Actuator Assemblies

ANSI Class 125

- Bronze and Stainless Steel Trim
- Flanged









NO/NC Equal Percentage Flanged 2-1/2 to 6"			Spring Return Actuator								
			Floating	Floating	Floating	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA			
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.	 SKD82.51U	 SKB82.51U	 SKC82.61U	 SKD62U	 SKB62U	 SKC62U			
Normally Open											
			Close-off psi — Brass Trim								
			38	153		38	153				
599-05980	63	2-1/2	276-05980	289-05980	—	274-05980	291-05980	—			
599-05981	100	3	276-05981	289-05981	—	274-05981	291-05981	—			
599-05982	160	4	—	—	65	292-05982	—	—	65	294-05982	
599-05983	250	5	—	—	42	292-05983	—	—	42	294-05983	
599-05984	400	6	—	—	29	292-05984	—	—	29	294-05984	
			Close-off psi — Stainless Steel Trim								
			38	153	—	38	153	—			
599-05960	63	2-1/2	276-05960	289-05960	—	274-05960	291-05960	—			
599-05961	100	3	276-05961	289-05961	—	274-05961	291-05961	—			
599-05962	160	4	—	—	65	292-05962	—	—	65	294-05962	
599-05963	250	5	—	—	42	292-05963	—	—	42	294-05963	
599-05964	400	6	—	—	29	292-05964	—	—	29	294-05964	
Normally Closed											
			Close-off psi — Bronze Trim								
			34	97	—	34	97	—			
599-05990	63	2-1/2	276-05990	289-05990	—	274-05990	291-05990	—			
599-05991	100	3	276-05991	289-05991	—	274-05991	291-05991	—			
599-05992	160	4	—	—	39	292-05992	—	—	9	294-05992	
599-05993	250	5	—	—	25	292-05993	—	—	25	294-05993	
599-05994	400	6	—	—	17	292-05994	—	—	17	294-05994	
			Close-off psi — Stainless Steel Trim								
			34	97	—	34	97	—			
599-05970	63	2-1/2	276-05970	289-05970	—	274-05970	291-05970	—			
599-05971	100	3	276-05971	289-05971	—	274-05971	291-05971	—			
599-05972	160	4	—	—	39	292-05972	—	—	39	294-05972	
599-05973	250	5	—	—	25	292-05973	—	—	25	294-05973	
599-05974	400	6	—	—	17	292-05974	—	—	17	294-05974	

Table Notes:
Part numbers in red indicate complete assemblies.
Black numbers indicate close-off psi.

D-33

Valves

Flowrite **Globe** Valve Electronic NSR Actuator Assemblies

ANSI Class 125



- Bronze and Stainless Steel Trim
- Flanged

D-34

Valves




NO/NC Equal Percentage Flanged 2-1/2 to 6"			Non-Spring Return Actuator		
			Floating	Floating	Floating
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.			
			SKD82.50U	SKB82.50U	SKC82.60U
Normally Open					
Close-off psi — Brass Trim					
599-05980	63	2-1/2	38 275-05980	153 290-05980	—
599-05981	100	3	25 275-05981	101 290-05981	—
599-05982	160	4	—	—	65 293-05982
599-05983	250	5	—	—	42 293-05983
599-05984	400	6	—	—	29 293-05984
Close-off psi — Stainless Steel Trim					
599-05960	63	2-1/2	38 275-05960	153 290-05960	—
599-05961	100	3	25 275-05961	101 290-05961	—
599-05962	160	4	—	—	65 293-05962
599-05963	250	5	—	—	42 293-05963
599-05964	400	6	—	—	29 293-05964
Normally Closed					
Close-off psi — Bronze Trim					
599-05990	63	2-1/2	34 275-05990	97 290-05990	—
599-05991	100	3	22 275-05991	63 290-05991	—
599-05992	160	4	—	—	39 293-05992
599-05993	250	5	—	—	25 293-05993
599-05994	400	6	—	—	17 293-05994
Close-off psi — Stainless Steel Trim					
599-05970	63	2-1/2	34 275-05970	97 290-05970	—
599-05971	100	3	22 275-05971	63 290-05971	—
599-05972	160	4	—	—	39 293-05972
599-05973	250	5	—	—	25 293-05973
599-05974	400	6	—	—	17 293-05974

Table Notes:

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Flowrite **Globe** Valve Pneumatic SR Actuator Assemblies

ANSI Class 125

- Stainless Steel Trim
- Flanged
- Standard Temperature Range is 20° F to 250° F (-7° C to 120° C)
- High Temperature Range is 337° F max. (170° C)













NO/NC Linear Flanged 2-1/2 to 6"			Spring Return Actuator								
			8" 20 mm Stroke	8" High-Temp. 20 mm Stroke	12" 20 mm Stroke	12" 40 mm Stroke	8" w/Positioner 20 mm Stroke	8" High-Temp. w/Positioner 20 mm Stroke	12" w/Positioner 20 mm Stroke	12" w/Positioner 40 mm Stroke	
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.									
			599-01050	599-01051	599-01010	599-01000	599-01050 + 599-00426	599-01051 + 599-00426	599-01010 + 599-00423	599-01000 + 599-00423	
Normally Open											
Close-off psi — Stainless Steel Trim/Standard Temperature Packing											
	599-06060	63	2-1/2	31 277-06060	—	95 279-06060	—	31 283-06060	—	95 285-06060	—
	599-06061	100	3	20 277-06061	—	63 279-06061	—	20 283-06061	—	63 285-06061	—
	599-06062	160	4	—	—	—	40 281-06062	—	—	—	40 287-06062
	599-06063	250	5	—	—	—	26 281-06063	—	—	—	26 287-06063
	599-06064	400	6	—	—	—	18 281-06064	—	—	—	18 287-06064
Close-off psi — Stainless Steel Trim/High Temperature Packing											
	599-06040	63	2-1/2	31 277-06040	31 278-06040	95 279-06040	—	31 283-06040	31 284-06040	95 285-06040	—
	599-06041	100	3	20 277-06041	20 278-06041	63 279-06041	—	20 283-06041	20 284-06041	63 285-06041	—
	599-06042	160	4	—	—	—	40 281-06042	—	—	—	40 287-06042
	599-06043	250	5	—	—	—	26 281-06043	—	—	—	26 287-06043
	599-06044	400	6	—	—	—	18 281-06044	—	—	—	18 287-06044
Normally Closed											
Close-off psi — Stainless Steel Trim/Standard Temperature Packing											
	599-06070	63	2-1/2	36 277-06070	—	114 279-06070	—	36 283-06070	—	114 285-06070	—
	599-06071	100	3	23 277-06071	—	74 279-06071	—	23 283-06071	—	74 285-06071	—
	599-06072	160	4	—	—	—	46 281-06072	—	—	—	46 287-06072
	599-06073	250	5	—	—	—	29 281-06073	—	—	—	29 287-06073
	599-06074	400	6	—	—	—	20 281-06074	—	—	—	20 287-06074
Close-off psi — Stainless Steel Trim/High Temperature Packing											
	599-06050	63	2-1/2	36 277-06050	36 278-06050	114 279-06050	—	36 283-06050	36 284-06050	114 285-06050	—
	599-06051	100	3	23 277-06051	23 278-06051	74 279-06051	—	23 283-06051	23 284-06051	74 285-06051	—
	599-06052	160	4	—	—	—	46 281-06052	—	—	—	46 287-06052
	599-06053	250	5	—	—	—	29 281-06053	—	—	—	29 287-06053
	599-06054	400	6	—	—	—	20 281-06054	—	—	—	20 287-06054

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

D-35

Valves

Flowrite **Globe** Valve Electronic SR Actuator Assemblies

ANSI Class 125



- Stainless Steel Trim
- Flanged
- Standard Temperature Range is 20° F to 250° F (-7° C to 120° C)
- High Temperature Range is 337° F max. (170° C)

NO/NC Linear Flanged 2-1/2 to 6"			Spring Return Actuator											
			Floating	Floating	Floating	0-10 V	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA						
2-way Valve Body Part No.	Flow Rate Cv	Valve Size in.												
			SKD82.51U	SKB82.51U	SKC82.61U	SKD62U	SKB62U	SKC62U						
Normally Open														
Close-off psi — Stainless Steel Trim/Standard Temperature Packing														
	599-06060	63	2-1/2	38	276-06060	153	289-06060	—	38	274-06060	153	291-06060	—	
	599-06061	100	3	25	276-06061	101	289-06061	—	25	274-06061	101	291-06061	—	
	599-06062	160	4	—	—	—	—	65	292-06062	—	—	—	65	294-06062
	599-06063	250	5	—	—	—	—	42	292-06063	—	—	—	42	294-06063
	599-06064	400	6	—	—	—	—	29	292-06064	—	—	—	29	294-06064
Close-off psi — Stainless Steel Trim/High Temperature Packing														
	599-06040	63	2-1/2	38	276-06040	153	289-06040	—	38	274-06040	153	291-06040	—	
	599-06041	100	3	25	276-06041	101	289-06041	—	25	274-06041	101	291-06041	—	
	599-06042	160	4	—	—	—	—	65	292-06042	—	—	—	65	294-06042
	599-06043	250	5	—	—	—	—	42	292-06043	—	—	—	42	294-06043
	599-06044	400	6	—	—	—	—	29	292-06044	—	—	—	29	294-06044
Normally Closed														
Close-off psi — Stainless Steel Trim/Standard Temperature Packing														
	599-06070	63	2-1/2	34	276-06070	97	289-06070	—	34	274-06070	97	291-06070	—	
	599-06071	100	3	22	276-06071	63	289-06071	—	22	274-06071	63	291-06071	—	
	599-06072	160	4	—	—	—	—	39	292-06072	—	—	—	39	294-06072
	599-06073	250	5	—	—	—	—	25	292-06073	—	—	—	25	294-06073
	599-06074	400	6	—	—	—	—	17	292-06074	—	—	—	17	294-06074
Close-off psi — Stainless Steel Trim/High Temperature Packing														
	599-06050	63	2-1/2	34	276-06050	97	289-06050	—	34	274-06050	97	291-06050	—	
	599-06051	100	3	22	276-06051	63	289-06051	—	22	274-06051	63	291-06051	—	
	599-06052	160	4	—	—	—	—	39	292-06052	—	—	—	39	294-06052
	599-06053	250	5	—	—	—	—	25	292-06053	—	—	—	25	294-06053
	599-06054	400	6	—	—	—	—	17	292-06054	—	—	—	17	294-06054

Table Notes:

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

D-36

Valves