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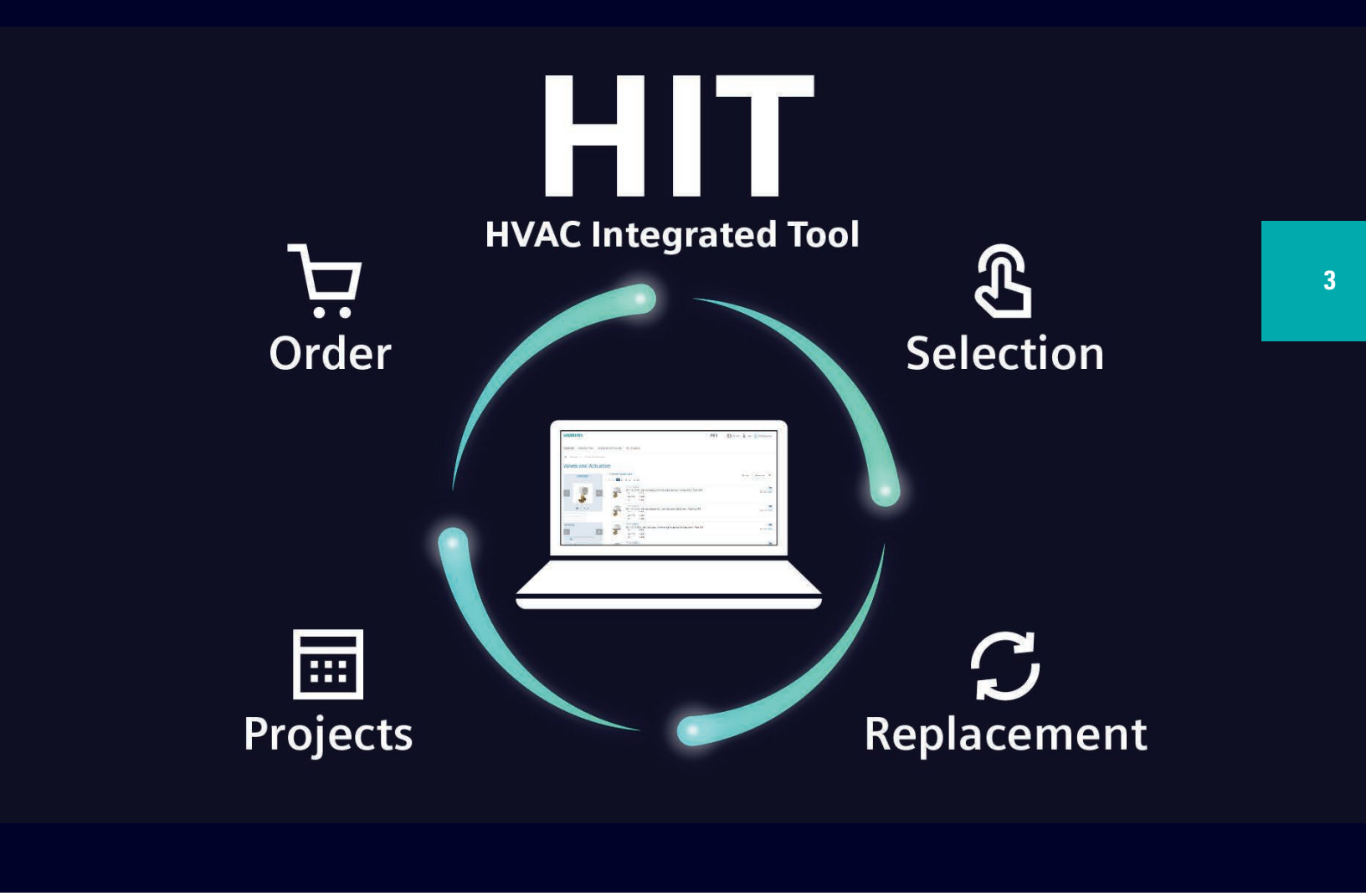
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Overview

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
- Intelligent Valves are self-optimizing dynamic valves that measure and control flow, temperature, and energy
- Pressure Independent Control Valves automatically adjust to pressure fluctuations to maintain a consistent flow in all applications
- Ball Valves control hot or chilled water in a variety of applications
- Magnetic Valves are quick response, high performance valves for demanding critical applications
- Diverting and 2-port Refrigeration Valves with Magnetic Actuators for refrigeration 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

Selection Guide

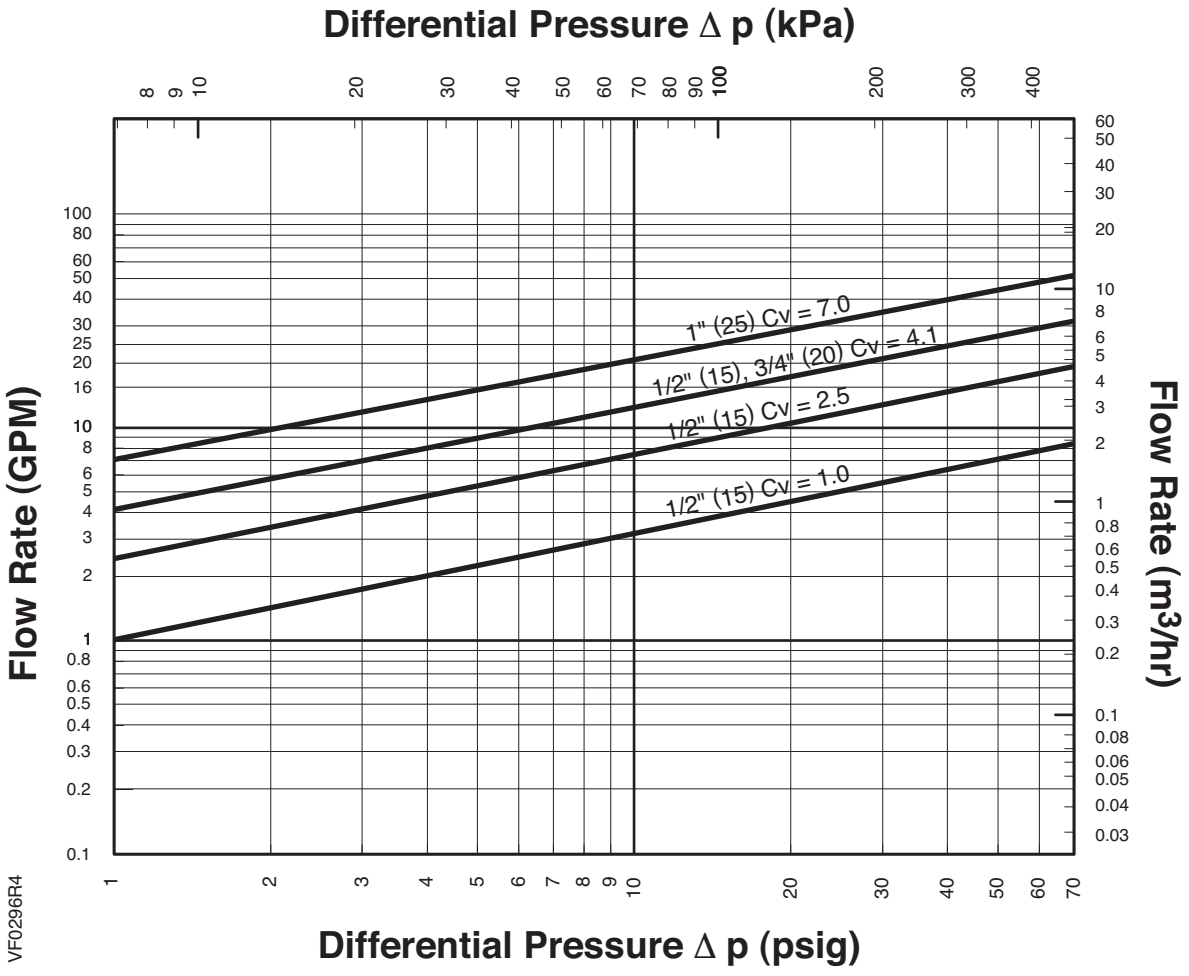
Application	Valves									
	Zone	Powermite Globe	Flowrite Globe	Intelligent Valve	PICV	Ball	Magnetic	Service	Butterfly	Refrig-eration
Terminal	•	•			•	•	•	•		
AHU/Unitary		•	•	•	•	•	•			
Distribution			•	•	•	•	•		•	
Central Equipment			•		•				•	
Refrigeration										•

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"	PICV, Zone	**A-83, A-113**
Baseboard/Terminal Unit	Water	1/2 to 1"	PICV, Powermite MZ Series	**A-83, A-129**
Terminal Unit	Water and Low Pressure steam[1]	1/2 to 1"	PICV (Water Only), Powermite MT Series	**A-83, A-137**
Unitary/Fan Coil	Water and Low Pressure steam[1]	1/2 to 1"	PICV (Water Only), Powermite MT Series	**A-83, A-137**
Unitary/Fan Coil	Water (Equal Percentage) and High Pressure steam (Linear)	1/2 to 2"	PICV (Water Only), Flowrite Globe	**A-83, A-163**
Air Handling Unit	Water (Equal Percentage) and High Pressure steam (Linear)	1/2 to 2"	PICV (Water Only), Flowrite Globe	**A-83, A-163**
Central Plant	Water (Equal Percentage) and High Pressure steam (Linear)	2-1/2 to 6"	PICV (Water Only), Flowrite Globe	**A-83, A-163**
Fan Coil/VAV/Isolation and Control/AHU	Water	1/2 to 2"	PICV, Ball	**A-83, A-203**
High Performance Control and Domestic Water	Water (including Domestic), Low Pressure Steam and High Pressure Steam	1/2 to 4"	Magnetic	**A-223**
Refrigeration Systems	CO_2 and Commonly Used Safety Refrigerants	1/2 to 5"	Refrigerant with Magnetic Actuator	**A-243**
Baseboard/Terminal Unit/Radiant (Replacement)	Water and Low Pressure Steam	1/2 to 1-1/4"	Service	**A-259**
Central Plant Isolation and Distribution	Water	2 to 24"	Butterfly	**A-271**

Table Notes:
1. Low pressure steam = 15 PSI or less

Zone Valves
Water Capacity Graph



Zone Valves
Water Capacity Tables and Close-off Pressure

Water Capacity Tables

Valve Size Inches	Pressure Differential – PSI English (AB→A)															
	Cv\1	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 / 3/4	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 Notes:
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

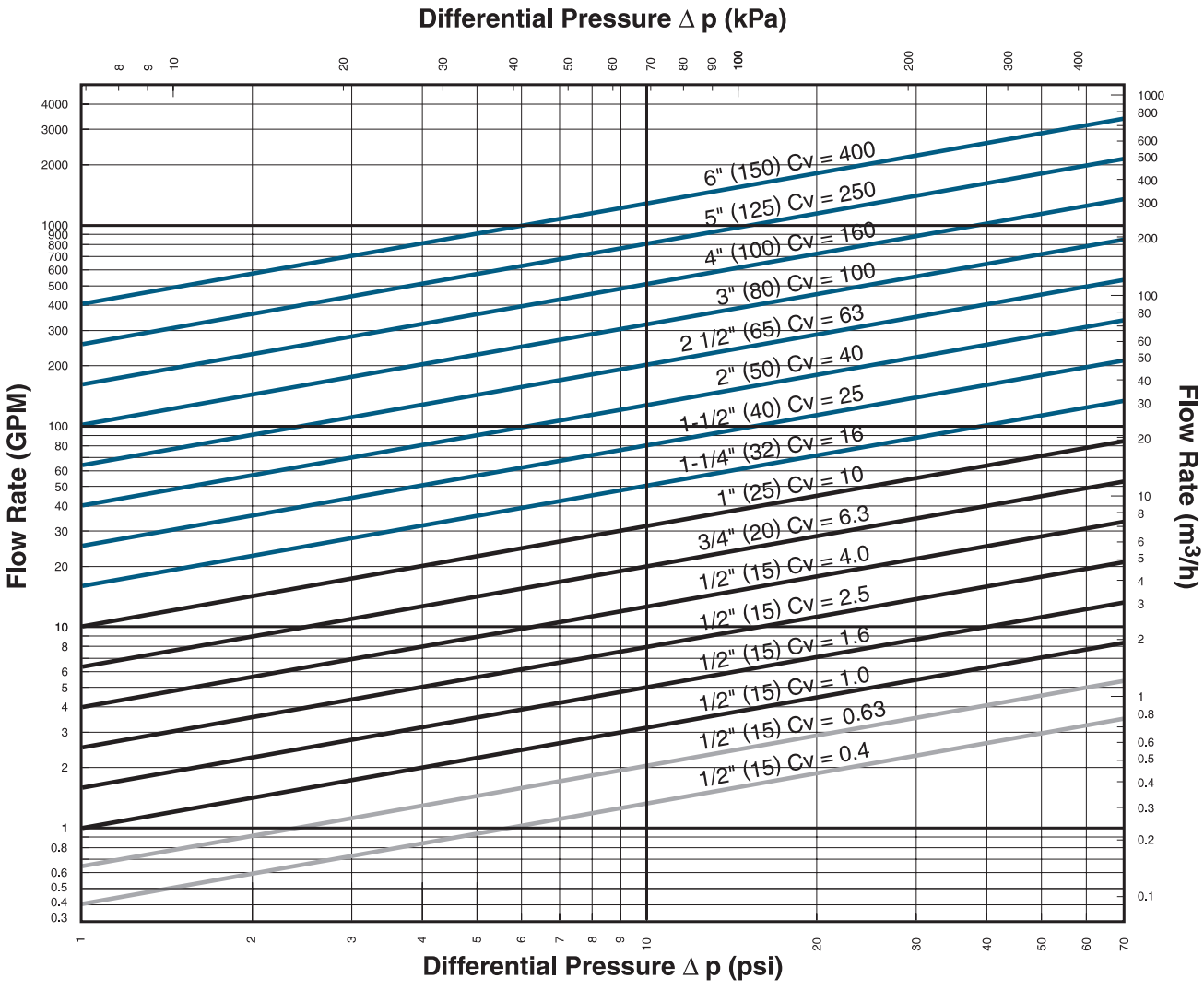
Table Notes:
Table expressed in Cubic Meters per Hour (m^3/hr).

Close-off Pressures

Valve Size Inch	(mm)	Spring Return or Non-Spring Return Actuators							
		Cv	SFA APC 240, 242		SFP APC 241, 243		SSE/SSF APC 244, 245, 248	
1/2	(15)	1.0	87	(600)	80	(552)	125	(862)
		2.5 / 4.0	51	(352)	44	(303)	75	(517)
3/4	(20)	4.1	51	(352)	44	(303)	75	(517)
1	(25)	7.0	29	(200)	25	(172)	50	(345)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.

Powermite/Flowrite Globe
Water Capacity Graph



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															
	Cv\1	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 Notes:
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 Notes:
Table expressed in Cubic Meters per Hour (m^3/hr).
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 Inches	Cv	English Inlet Pressure							
		2 PSI		5 PSI			10 PSI		
		Pressure Differential							
		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
	0.63	7.53	11	14	16	17	21	24	26
	1	12	17	22	25	28	34	38	42
	1.6	19	27	35	40	44	54	61	67
	2.5	30	42	55	62	69	85	96	104
	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 Notes:
Table is expressed in pounds per hour (lbs./hr.).

Valve Size Inches	Cv	English Inlet Pressure									
		15 PSI			25 PSI			50 PSI			100 PSI	
		Pressure Differential										
		9 PSI	12 PSI	15 PSI	5 PSI	15 PSI	20 PSI	15 PSI	30 PSI	32.5 PSI	50 PSI	57.5 PSI
1/2	0.4	18	19	22	16	26	29	35	45	47	79	83
	0.63	28	31	34	26	41	46	55	72	74	125	132
	1	45	48	54	41	65	72	87	114	117	198	209
	1.6	72	78	87	65	104	116	139	183	188	318	334
	2.5	112	121	135	101	163	181	217	286	294	497	522
	4	179	194	217	162	261	290	348	458	471	796	835
3/4	6.3	282	305	341	255	411	456	548	722	742	1253	1315
1	10	447	485	542	405	653	724	870	1147	1178	1989	2088
1-1/4	16	716	775	867	648	1044	1158	1392	1835	1885	3182	3340
1-1/2	25	1118	1211	1355	1013	1632	1810	2175	2867	2946	4972	5220
2	40	1789	1938	2168	1620	2611	2895	3480	4587	4713	7956	8351
2-1/2	63	2818	3053	3414	2552	4112	4560	5480	7225	7424	12530	13153
3	100	4473	4845	5419	4050	6527	7238	8699	11468	11784	19889	20878
4	160	7156	7753	8671	6481	10443	11581	13919	18348	18855	31823	33405
5	250	11181	12114	13549	10126	16317	18095	21748	28669	29462	49723	52195
6	400	17890	19382	21678	16201	26108	28953	34797	45870	47139	79556	83512

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

Powermite/Flowrite Globe Temperature Pressure Ratings

Powermite Valve Bodies

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

Flowrite Valve Bodies

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

Temperature Range		Pressure	
		ANSI Class 125	ANSI Class 250
Flanged Iron 2-1/2 to 6"			
-20 to 150°F	-30 to 66°C	200 (1387)	500 (3447)
200°F	93°C	190 (1310)	460 (3171)
250°F	121°C	175 (1206)	415 (2861)
300°F	149°C	165 (1137)	375 (2585)
400°F	204°C	140 (965)	290 (1999)
450°F	232°C	125 (861)	250 (1723)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.

Powermite Globe
Close-off Pressures

MZ Series

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

Table Notes:
All close-off 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).

MT Series

2-Way Valve Size	Pneumatic			Electronic	
	599-01088			SAS	SSC
	3 to 8 PSI (21 to 55 kPa)	8 to 13 PSI (55 to 90 kPa)	10 to 15 PSI (69 to 103 kPa)		
	Normally Open				
1/2", Cv ≤ 1.6	95 (655)	45 (310)	20 (138)	160 (1103)	120 (868)
1/2", Cv ≤ 4	45 (310)	25 (172)	15 (103)	85 (586)	65 (448)
3/4 to 1", Cv ≤ 10	35 (241)	10 (69)	—	70 (482)	55 (379)
	Normally Closed				
1/2", Cv ≤ 1.6	40 (276)	95 (655)	95 (655)	95 (655)	95 (655)
1/2", Cv ≤ 4	28 (193)	50 (345)	50 (345)	50 (345)	50 (345)
3/4 to 1", Cv ≤ 10	18 (124)	40 (276)	40 (276)	40 (276)	40 (276)

3-Way Valve Size	Pneumatic			Electronic	
	599-01088			SAS	SSC
	3 to 8 PSI (21 to 55 kPa)	8 to 13 PSI (55 to 90 kPa)	10 to 15 PSI (69 to 103 kPa)		
	Normally Open				
1/2", Cv ≤ 1.6	95 (655)	45 (310)	20 (138)	160 (1103)	95 (655)
1/2", Cv ≤ 4	45 (310)	25 (172)	15 (103)	85 (586)	50 (379)
3/4 to 1", Cv ≤ 10	35 (241)	10 (69)	—	70 (482)	40 (276)
	Normally Closed				
1/2", Cv ≤ 1.6	40 (276)	95 (655)	120 (827)	95 (655)	95 (655)
1/2", Cv ≤ 4	28 (193)	50 (345)	65 (448)	50 (345)	50 (345)
3/4 to 1", Cv ≤ 10	18 (124)	40 (276)	50 (345)	40 (276)	40 (276)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.
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.

Flowrite Globe Close-off Pressures

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 close-off 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).
Normally open close-off pressures are at 15 PSI actuator pressure.
Normally closed close-off pressures are at 0 PSI actuator pressure.

Pneumatic High Pressure Close-off

Valve Size in. (mm)	Spring Range			
	3 to 8 PSI (21 to 55 kPa)		10 to 15 PSI (69 to 103 kPa)	
	8" Actuator	12" Actuator	8" Actuator	12" Actuator
	Normally Open		Normally Closed	
2-1/2 (65)	200 (1378)	—	200 (1378)	—
3 (80)	200 (1378)	—	200 (1378)	—
4 (100)	—	200 (1378)	—	200 (1378)
5 (125)	—	200 (1378)	—	200 (1378)
6 (150)	—	200 (1378)	—	200 (1378)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.

Flowrite Globe
Close-off Pressures

Electronic

Valve Size in.	(mm)	Rack & Pinion w/GMA	Rack & Pinion w/GCA APC 298, 299	SAX NSR APC 371, 373	SKD APC 267, 274-276	SKB APC 289-291	SKC APC 292-294
		Normally Open					
1/2	(15)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	—
3/4	(20)	174 (1200)	231 (1593)	211 (1456)	250 (1724)	250 (1724)	—
1	(25)	136 (938)	149 (1028)	137 (945)	201 (1386)	250 (1724)	—
1-1/4	(32)	84 (580)	92 (634)	85 (586)	124 (855)	250 (1724)	—
1-1/2	(40)	55 (380)	59 (407)	55 (379)	80 (552)	250 (1724)	—
2	(50)	30 (207)	36 (248)	34 (235)	49 (338)	201 (1386)	—
2-1/2	(65)	—	25 (172)	26 (179)	38 (262)	153 (518)	—
3	(80)	—	18 (124)	17 (117)	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)	250 (1724)	—
3/4	(20)	174 (1200)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	—
1	(25)	136 (938)	173 (1193)	159 (1097)	203 (1400)	250 (1724)	—
1-1/4	(32)	84 (580)	100 (690)	92 (634)	117 (807)	250 (1724)	—
1-1/2	(40)	55 (380)	61 (421)	57 (393)	73 (503)	208 (1434)	—
2	(50)	30 (207)	37 (255)	35 (241)	44 (303)	126 (869)	—
2-1/2	(65)	—	25 (172)	26 (179)	34 (234)	97 (668)	—
3	(80)	—	18 (124)	17 (117)	22 (152)	63 (434)	—
4	(100)	—	—	—	—	—	39 (268)
5	(125)	—	—	—	—	—	25 (172)
6	(150)	—	—	—	—	—	17 (117)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.

Electronic High Pressure Close-off

Valve Size in.	(mm)	Electro-Hydraulic 24 VAC	
		SKD	SKC
		Normally Open	
2-1/2	(65)	200 (1378)	—
3	(80)	200 (1378)	—
4	(100)	—	200 (1378)
5	(125)	—	200 (1378)
6	(150)	—	200 (1378)
		Normally Closed	
2-1/2	(65)	200 (1378)	—
3	(80)	200 (1378)	—
4	(100)	—	200 (1378)
5	(125)	—	200 (1378)
6	(150)	—	200 (1378)

Table Notes:
All close-off values within table are in PSI (kPa) unless otherwise indicated.

Ball Valve Flow Coefficients

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

Valve Size in.	Valve Size (mm)	Valve Part No.	Effective (Installed) Cv (Kvs) Supply Line Size in Inches (mm) 1/2 (15)	3/4 (20)	1 (25)	1-1/4 (32)	1-1/2 (40)	2 (50)	2-1/2 (65)	3 (80)
1/2	(15)	599-10307 or 599-10307S	**10.0 (8.62)**	6.94 (5.93)	6.19 (5.29)					
3/4	(20)	599-10311 or 599-10311S		**25.00 (21.55)**	18.66 (15.99)	15.35 (13.12)				
1	(25)	599-10316 or 599-10316S			**63.00 (54.31)**	39.78 (34.00)	33.56 (28.69)			
1-1/4	(32)	599-10321 or 599-10321S				**100.00 (86.21)**	69.19 (5.13)	51.45 (43.98)		
1-1/2	(40)	599-10326 or 599-10326S					**160.00 (137.93)**	93.80 (80.17)	76.34 (65.25)	
2	(50)	599-10329 or 599-10329S						**100.00 (86.21)**	94.30 (80.60)	86.12 (73.61)

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

Valve Size in.	Valve Size (mm)	Valve Part No.	Effective (Installed) Cv (Kvs) Supply Line Size in Inches (mm) 1/2 (15)	3/4 (20)	1 (25)	1-1/4 (32)	1-1/2 (40)	2 (50)	2-1/2 (65)	3 (80)
1/2	(15)	599-10357 or 599-10357S	**10.0 (8.62)**	6.94 (5.93)	6.19 (5.29)					
3/4	(20)	599-10360 or 599-10360S		**16.00 (13.79)**	13.9 (11.98)	12.4 (10.69)				
1	(25)	599-10363 or 599-10363S			**25.00 (21.55)**	22.5 (19.4)	21.2 (18.27)			
1-1/4	(32)	599-10366 or 599-10366S				**40.00 (34.48)**	36.9 (31.81)	33.3 (28.70)		
1-1/2	(40)	599-10369 or 599-10369S					**63.00 (54.31)**	55.3 (47.67)	51.00 (43.96)	
2	(50)	599-10372 or 599-10372S						**100 (86.21)**	94.3 (81.29)	86.1 (74.23)

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



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Two-Way Flanged Intelligent Valve Assemblies

ANSI Class 125
Electronic Non-spring Return Actuators

- Normally Open or Normally Closed
- 200 PSI close-off with ANSI Class IV leakage
- Field adjustable maximum flow



NO/NC *2-1/2 to 5"* ⋈		Non-Spring Return Actuator	
		Normally Open	Normally Closed
		0-10 V	0-10 V
Valve Size in.	Maximum Flow		
2-1/2	125	EVF4U21U0250	EVF4U20U0250
3	185	EVF4U21U0300	EVF4U20U0300
4	315	EVF4U21U0400	EVF4U20U0400
5	500	EVF4U21U0500	EVF4U20U0500

Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way PICV Assemblies

ANSI Class 250
Electronic Spring Return or Non-Spring Return Actuators



- Normally Open
- Field adjustable maximum flow
- 200 PSI close-off with ANSI Class IV leakage

NO 1/2 to 1-1/4"			Spring Return Actuator		Non-Spring Return Actuator	
			Floating	0-10 V	Floating	0-10 V
2-Way Valve Body Part No.	Valve Size in.	Factory Preset Max. GPM	 S55180-A153 (SSD131.29U)	 S55180-A155 (SSD161S.25DU)	 S55180-A152 (SSD131.09U)	 S55180-A154 (SSD161S.05DU)
Normally Open						
599-04320-0.5	1/2	0.5	342-04320-0.5	343-04320-0.5	320-04320-0.5	341-04320-0.5
599-04321-1		1	342-04321-1	343-04321-1	320-04321-1	341-04321-1
599-04321-1.5		1.5	342-04321-1.5	343-04321-1.5	320-04321-1.5	341-04321-1.5
599-04321-2		2	342-04321-2	343-04321-2	320-04321-2	341-04321-2
599-04321-2.5		2.5	342-04321-2.5	343-04321-2.5	320-04321-2.5	341-04321-2.5
599-04321-3		3	342-04321-3	343-04321-3	320-04321-3	341-04321-3
599-04321-3.5		3.5	342-04321-3.5	343-04321-3.5	320-04321-3.5	341-04321-3.5
599-04321-4		4	342-04321-4	343-04321-4	320-04321-4	341-04321-4
599-04321-4.5		4.5	342-04321-4.5	343-04321-4.5	320-04321-4.5	341-04321-4.5
599-04321-5		5	342-04321-5	343-04321-5	320-04321-5	341-04321-5
599-04321-5.5		5.5	342-04321-5.5	343-04321-5.5	320-04321-5.5	341-04321-5.5
599-04322-2	3/4	2	342-04322-2	343-04322-2	320-04322-2	341-04322-2
599-04322-2.5		2.5	342-04322-2.5	343-04322-2.5	320-04322-2.5	341-04322-2.5
599-04322-3		3	342-04322-3	343-04322-3	320-04322-3	341-04322-3
599-04322-3.5		3.5	342-04322-3.5	343-04322-3.5	320-04322-3.5	341-04322-3.5
599-04322-4		4	342-04322-4	343-04322-4	320-04322-4	341-04322-4
599-04322-4.5		4.5	342-04322-4.5	343-04322-4.5	320-04322-4.5	341-04322-4.5
599-04322-5		5	342-04322-5	343-04322-5	320-04322-5	341-04322-5
599-04322-5.5		5.5	342-04322-5.5	343-04322-5.5	320-04322-5.5	341-04322-5.5
599-04322-6		6	342-04322-6	343-04322-6	320-04322-6	341-04322-6
599-04322-6.5		6.5	342-04322-6.5	343-04322-6.5	320-04322-6.5	341-04322-6.5
599-04322-7		7	342-04322-7	343-04322-7	320-04322-7	341-04322-7
599-04322-7.5		7.5	342-04322-7.5	343-04322-7.5	320-04322-7.5	341-04322-7.5
599-04322-8		8	342-04322-8	343-04322-8	320-04322-8	341-04322-8
599-04323-5	1	5	342-04323-5	343-04323-5	320-04323-5	341-04323-5
599-04323-6		6	342-04323-6	343-04323-6	320-04323-6	341-04323-6
599-04323-7		7	342-04323-7	343-04323-7	320-04323-7	341-04323-7
599-04323-8		8	342-04323-8	343-04323-8	320-04323-8	341-04323-8
599-04323-9		9	342-04323-9	343-04323-9	320-04323-9	341-04323-9
599-04323-10		10	342-04323-10	343-04323-10	320-04323-10	341-04323-10
599-04323-11		11	342-04323-11	343-04323-11	320-04323-11	341-04323-11
599-04323-12		12	342-04323-12	343-04323-12	320-04323-12	341-04323-12
599-04323-13		13	342-04323-13	343-04323-13	320-04323-13	341-04323-13
599-04323-14		14	342-04323-14	343-04323-14	320-04323-14	341-04323-14
599-04323-15		15	342-04323-15	343-04323-15	320-04323-15	341-04323-15
599-04323-16		16	342-04323-16	343-04323-16	320-04323-16	341-04323-16
599-04314-9	1-1/4	9	342-04314-09	343-04314-09	320-04314-09	341-04314-09
599-04314-10		10	342-04314-10	343-04314-10	320-04314-10	341-04314-10
599-04314-11		11	342-04314-11	343-04314-11	320-04314-11	341-04314-11
599-04314-12		12	342-04314-12	343-04314-12	320-04314-12	341-04314-12
599-04314-13		13	342-04314-13	343-04314-13	320-04314-13	341-04314-13
599-04314-14		14	342-04314-14	343-04314-14	320-04314-14	341-04314-14
599-04314-15		15	342-04314-15	343-04314-15	320-04314-15	341-04314-15
599-04314-16		16	342-04314-16	343-04314-16	320-04314-16	341-04314-16
599-04314-17		17	342-04314-17	343-04314-17	320-04314-17	341-04314-17
599-04314-18		18	342-04314-18	343-04314-18	320-04314-18	341-04314-18

Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way PICV Assemblies

ANSI Class 250
Electronic Non-Spring Return Actuators

- Normally Open or Closed
- Field adjustable maximum flow
- 100 PSI close-off with ANSI Class IV leakage





NO/NC *1-1/2 to 2"* ⋈			**Spring Return Actuator**		**Non-Spring Return Actuator**
			0(2)-10 V and 4-20mA*		**0-10 V and 4-20mA**
2-Way Valve Body Part No.	**Valve Size in.**	**Factory Preset Max. GPM**	 599-03617NO and 599-03617NC		 SAY61.03U
Normally Open or Closed (See Notes Below for SAY)					
 599-04315-15	1-1/2	15	337NO-04315-15	337NC-04315-15	335-04315-15
599-04315-20		20	337NO-04315-20	337NC-04315-20	335-04315-20
599-04315-25		25	337NO-04315-25	337NC-04315-25	335-04315-25
599-04315-30		30	337NO-04315-30	337NC-04315-30	335-04315-30
599-04315-35		35	337NO-04315-35	337NC-04315-35	335-04315-35
599-04315-40		40	337NO-04315-40	337NC-04315-40	335-04315-40
 599-04316-30	2	30	337NO-04316-30	337NC-04316-30	335-04316-30
599-04316-35		35	337NO-04316-35	337NC-04316-35	335-04316-35
599-04316-40		40	337NO-04316-40	337NC-04316-40	335-04316-40
599-04316-45		45	337NO-04316-45	337NC-04316-45	335-04316-45
599-04316-50		50	337NO-04316-50	337NC-04316-50	335-04316-50

Table Notes:
Part numbers in red indicate complete assemblies.
For Normally Closed operation SAY actuator requires either AZX61.1 Function Module accessory or signal inverted from controller
* Requires 985-124 Resistor Assembly Kit

Siemens offers a 5-year warranty on valves and actuators.



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Siemens offers a 5-year warranty on valves, actuators, damper actuators, sensors and thermostats.

SIEMENS

Two-Way PICV Assemblies

ANSI Class 250
Electronic Spring Return or Non-Spring Return Actuators



- Normally Closed (Y1 and Y2 signals must be switched or connected opposite)
- Field adjustable maximum flow
- 200 PSI close-off with ANSI Class IV leakage

NC *1/2 to 1-1/4"*			Spring Return Actuator		Non-Spring Return Actuator	
			Floating	0-10 V	Floating	0-10 V
2-Way Valve Body Part No.	Valve Size in.	Factory Preset Max. GPM	 S55180-A153 (SSD131.29U)	 S55180-A155 (SSD161S.25DU)	 S55180-A152 (SSD131.09U)	 S55180-A154 (SSD161S.05DU)
Normally Open						
599-04320-0.5	1/2	0.5	332-04320-0.5	333-04320-0.5	320-04320-0.5	331-04320-0.5
599-04321-1		1	332-04321-1	333-04321-1	320-04321-1	331-04321-1
599-04321-1.5		1.5	332-04321-1.5	333-04321-1.5	320-04321-1.5	331-04321-1.5
599-04321-2		2	332-04321-2	333-04321-2	320-04321-2	331-04321-2
599-04321-2.5		2.5	332-04321-2.5	333-04321-2.5	320-04321-2.5	331-04321-2.5
599-04321-3		3	332-04321-3	333-04321-3	320-04321-3	331-04321-3
599-04321-3.5		3.5	332-04321-3.5	333-04321-3.5	320-04321-3.5	331-04321-3.5
599-04321-4		4	332-04321-4	333-04321-4	320-04321-4	331-04321-4
599-04321-4.5		4.5	332-04321-4.5	333-04321-4.5	320-04321-4.5	331-04321-4.5
599-04321-5		5	332-04321-5	333-04321-5	320-04321-5	331-04321-5
599-04321-5.5		5.5	332-04321-5.5	333-04321-5.5	320-04321-5.5	331-04321-5.5
599-04322-2	3/4	2	332-04322-2	333-04322-2	320-04322-2	331-04322-2
599-04322-2.5		2.5	332-04322-2.5	333-04322-2.5	320-04322-2.5	331-04322-2.5
599-04322-3		3	332-04322-3	333-04322-3	320-04322-3	331-04322-3
599-04322-3.5		3.5	332-04322-3.5	333-04322-3.5	320-04322-3.5	331-04322-3.5
599-04322-4		4	332-04322-4	333-04322-4	320-04322-4	331-04322-4
599-04322-4.5		4.5	332-04322-4.5	333-04322-4.5	320-04322-4.5	331-04322-4.5
599-04322-5		5	332-04322-5	333-04322-5	320-04322-5	331-04322-5
599-04322-5.5		5.5	332-04322-5.5	333-04322-5.5	320-04322-5.5	331-04322-5.5
599-04322-6		6	332-04322-6	333-04322-6	320-04322-6	331-04322-6
599-04322-6.5		6.5	332-04322-6.5	333-04322-6.5	320-04322-6.5	331-04322-6.5
599-04322-7		7	332-04322-7	333-04322-7	320-04322-7	331-04322-7
599-04322-7.5		7.5	332-04322-7.5	333-04322-7.5	320-04322-7.5	331-04322-7.5
599-04322-8		8	332-04322-8	333-04322-8	320-04322-8	331-04322-8
599-04323-5	1	5	332-04323-5	333-04323-5	320-04323-5	331-04323-5
599-04323-6		6	332-04323-6	333-04323-6	320-04323-6	331-04323-6
599-04323-7		7	332-04323-7	333-04323-7	320-04323-7	331-04323-7
599-04323-8		8	332-04323-8	333-04323-8	320-04323-8	331-04323-8
599-04323-9		9	332-04323-9	333-04323-9	320-04323-9	331-04323-9
599-04323-10		10	332-04323-10	333-04323-10	320-04323-10	331-04323-10
599-04323-11		11	332-04323-11	333-04323-11	320-04323-11	331-04323-11
599-04323-12		12	332-04323-12	333-04323-12	320-04323-12	331-04323-12
599-04323-13		13	332-04323-13	333-04323-13	320-04323-13	331-04323-13
599-04323-14		14	332-04323-14	333-04323-14	320-04323-14	331-04323-14
599-04323-15		15	332-04323-15	333-04323-15	320-04323-15	331-04323-15
599-04323-16		16	332-04323-16	333-04323-16	320-04323-16	331-04323-16
599-04314-9	1-1/4	9	332-04314-09	333-04314-09	320-04314-09	331-04314-09
599-04314-10		10	332-04314-10	333-04314-10	320-04314-10	331-04314-10
599-04314-11		11	332-04314-11	333-04314-11	320-04314-11	331-04314-11
599-04314-12		12	332-04314-12	333-04314-12	320-04314-12	331-04314-12
599-04314-13		13	332-04314-13	333-04314-13	320-04314-13	331-04314-13
599-04314-14		14	332-04314-14	333-04314-14	320-04314-14	331-04314-14
599-04314-15		15	332-04314-15	333-04314-15	320-04314-15	331-04314-15
599-04314-16		16	332-04314-16	333-04314-16	320-04314-16	331-04314-16
599-04314-17		17	332-04314-17	333-04314-17	320-04314-17	331-04314-17
599-04314-18		18	332-04314-18	333-04314-18	320-04314-18	331-04314-18

Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged PICV Assemblies

ANSI Class 125 and 250
Electronic Spring Return or Non-Spring Return Actuators

- Normally Open or Normally Closed
- Field adjustable maximum flow
- 100 PSI close-off with ANSI Class IV leakage





NO/NC *2-1/2 to 6"*			Spring Return Actuator		Non-Spring Return Actuator	
			NO	NC	NO or NC (See Note Below)	
			Floating, 0-10 V, 4-20 mA		0-10 V	0-10 V
2-Way Valve Body Part No.	Valve Size in.	Maximum Flow	 SQV91P30U	 SQV91P40U	 SAX61.03U	 SAV61.00U
			ANSI CLASS 125			
 599-07330	2-1/2	132	238-07330	239-07330	371-07330	—
599-07331	3	195	238-07331	239-07331	371-07331	—
599-07332	4	370	238-07332	239-07332	—	378-07332
599-07333	5	525	238-07333	239-07333	—	378-07333
599-07334	6	740	238-07334	239-07334	—	378-07334
599-07319		860	238-07319	239-07319	—	378-07319
			ANSI CLASS 250			
 599-07335	2-1/2	132	238-07335	239-07335	371-07335	—
599-07336	3	195	238-07336	239-07336	371-07336	—
599-07337	4	370	238-07337	239-07337	—	378-07337
599-07338	5	525	238-07338	239-07338	—	378-07338
599-07339	6	740	238-07339	239-07339	—	378-07339

Table Notes:
Part numbers in red indicate complete assemblies.
For Normally Closed operation SAX and SAV actuators requires either AZX61.1 Function Module accessory or signal inverted from controller.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Zone Valve Assemblies

Electronic Spring Return or Non-Spring Return Actuators

- Normally Open or Normally Closed
- Brass Trim
- NPT Connection
- Higher close-offs





NO/NC 1/2 to 1"			Spring Return Actuator							
			NO		NC		NO		NC	
			2P 120 Vac				2P 24 Vac			
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 SFP11U		 SFA11U		 SFP71U		 SFA71U	
			NPT Connection							
 599-00210		1.0	80	241-00210	87	240-00210	80	243-00210	87	242-00210
599-00211	1/2	2.5	44	241-00211	51	240-00211	44	243-00211	51	242-00211
599-00214		4.0	44	241-00214	51	240-00214	44	243-00214	51	242-00214
599-00212	3/4	4.1	44	241-00212	51	240-00212	44	243-00212	51	242-00212
599-00213	1	7.0	25	241-00213	29	240-00213	25	243-00213	29	242-00213

Table Notes:

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

NO/NC 1/2 to 1"			Non-Spring Return Actuator					
			NC		NO		NC	
			Floating 24 Vac		0-10 Vdc 24 Vac		0-10 Vdc 24 Vac	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 S55180-A156 (SSE131.09U)		 S55180-A158 (SSF161.05U)		 S55180-A157 (SSE161.05U)	
			NPT Connection					
 599-00210		1.0	94	244-00210	125	248-00210	125	245-00210
599-00211	1/2	2.5	65	244-00211	75	248-00211	75	245-00211
599-00214		4.0	65	244-00214	75	248-00214	75	245-00214
599-00212	3/4	4.1	65	244-00212	75	248-00212	75	245-00212
599-00213	1	7.0	36	244-00213	50	248-00213	50	245-00213

Table Notes:

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

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Zone Valve Assemblies

Electronic Spring Return or Non-Spring Return Actuators

- Normally Open or Normally Closed
- Brass Trim
- NPT Connection
- Higher close-offs





Diverting *1/2 to 1"*			Spring Return Actuator							
			AB→A NO		AB→A NC		AB→A NO		AB→A NC	
			2P 120 Vac				2P 24 Vac			
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 SFP11U		 SFA11U		 SFP71U		 SFA71U	
			NPT Connection							
 599-00230		1.0	80	241-00230	87	240-00230	80	243-00230	87	242-00230
599-00231	1/2	2.5	44	241-00231	51	240-00231	44	243-00231	51	242-00231
599-00234		4.0	44	241-00234	51	240-00234	44	243-00234	51	242-00234
599-00232	3/4	4.1	44	241-00232	51	240-00232	44	243-00232	51	242-00232
599-00233	1	7.0	25	241-00233	29	240-00233	25	243-00233	29	242-00233

Table Notes:

Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI. *Flow rate is for AB→A.
Values are for the NC upper port. For NO lower port values, refer to tables in the relevant valve Technical Instructions on our website.

Diverting *1/2 to 1"*			Non-Spring Return Actuator					
			AB→A NC		AB→A NO		AB→A NC	
			Floating 24 Vac		0-10 Vdc 24 Vac		0-10 Vdc 24 Vac	
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 S55180-A156 (SSE131.09U)		 S55180-A158 (SSF161.05U)		 S55180-A157 (SSE161.05U)	
			NPT Connection					
 599-00230		1.0	94	244-00230	125	248-00230	125	245-00230
599-00231	1/2	2.5	65	244-00231	75	248-00231	75	245-00231
599-00234		4.0	65	244-00234	75	248-00234	75	245-00234
599-00232	3/4	4.1	65	244-00232	75	248-00232	75	245-00232
599-00233	1	7.0	36	244-00233	50	248-00233	50	245-00233

Table Notes:

Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
*Flow rate is for AB→A. Values are for the NC upper port. For NO lower port values, refer to tables in the relevant valve Technical Instructions on our website.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way Globe Valve Assemblies – MZ Series

ANSI Class 250
Electronic Non-Spring Return Actuators



- Normally Open or Normally Closed
- Brass Trim

NO/NC *1/2 to 1"*				Non-Spring Return Actuator	
				Floating 3P	0-10 V
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 S55180-A150 (SSB131.09U)	 S55180-A151 (SSB161.05U)
Normally Open					
599-01115	1/2	0.4	60	254-01115	255-01115
599-01117		0.63	60	254-01117	255-01117
599-01119		1	60	254-01119	255-01119
599-01121		1.6	60	254-01121	255-01121
599-01123		2.5	35	254-01123	255-01123
599-01126		4	35	254-01126	255-01126
599-01129	3/4	6.3	30	254-01129	255-01129
599-01131	1	10	30	254-01131	255-01131
Normally Closed					
599-01100	1/2	0.4	70	254-01100	255-01100
599-01102		0.63	70	254-01102	255-01102
599-01104		1	70	254-01104	255-01104
599-01106		1.6	70	254-01106	255-01106
599-01108		2.5	40	254-01108	255-01108
599-01110		4	40	254-01110	255-01110
599-01112	3/4	6.3	30	254-01112	255-01112
599-01114	1	10	30	254-01114	255-01114

Table Notes:
Part numbers in red indicate complete assemblies.

Water Mixing *1/2 to 1"*				Non-Spring Return Actuator	
				Floating 3P	0-10 V
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 S55180-A150 (SSC131.09U)	 S55180-A151 (SSB161.05U)
599-01132	1/2	0.4	70	254-01132	255-01132
599-01133		0.63	70	254-01133	255-01133
599-01134		1	70	254-01134	255-01134
599-01135		1.6	70	254-01135	255-01135
599-01136		2.5	40	254-01136	255-01136
599-01137		4	40	254-01137	255-01137
599-01138	3/4	6.3	30	254-01138	255-01138
599-01139	1	10	30	254-01139	255-01139

Table Notes:
Part numbers in red indicate complete assemblies.
Values are for the NC upper port. For NO lower port values, refer to tables in the relevant valve Technical Instructions on our website.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Pneumatic Spring Return Actuators



- Normally Open or Normally Closed
- Brass and Stainless-steel Trim

NO/NC *1/2 to 1"* ⋈			Spring Return Actuator 3-8 PSI (21-55 kPa)	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01088	
Normally Open				
			Close-off PSI – Brass Trim	
599-02030	1/2	0.4	95	257-02030
599-02032		0.63	95	257-02032
599-02034		1	95	257-02034
599-02036		1.6	95	257-02036
599-02038		2.5	45	257-02038
599-02041		4	45	257-02041
599-02044	3/4	6.3	35	257-02044
599-02046	1	10	35	257-02046
			Close-off PSI – Stainless-steel Trim	
599-02047	1/2	0.4	95	257-02047
599-02049		0.63	95	257-02049
599-02051		1	95	257-02051
599-02053		1.6	95	257-02053
599-02055		2.5	45	257-02055
599-02058		4	45	257-02058
599-02061	3/4	6.3	35	257-02061
599-02063	1	10	35	257-02063
Normally Closed				
			Close-off PSI – Brass Trim	
599-02000	1/2	0.4	40	257-02000B
599-02002		0.63	40	257-02002B
599-02004		1	40	257-02004B
599-02006		1.6	40	257-02006B
599-02008		2.5	28	257-02008B
599-02010		4	28	257-02010B
599-02012	3/4	6.3	18	257-02012B
599-02014	1	10	18	257-02014B





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

8-13 PSI range is not available as an assembly. Valve and actuator sold separately and will have to be assembled in the field.

10-15 PSI range is not available as an assembly. Valve and actuator sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Electronic Spring Return Actuators





- Normally Open or Normally Closed
- Brass and Stainless-steel Trim

NO/NC 1/2 to 1"			Spring Return Actuator							
			Floating				0-10 V			
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 S55155-A109 (SSC131.39U)		 SAS81.33U		 S55155-A111 (SSC161.35U)		 SAS61.33U	
Normally Open										
			Close-off PSI – Brass Trim							
599-02030	1/2	0.4	120	260-02030	160	366-02030	120	262-02030	160	365-02030
599-02032		0.63	120	260-02032	160	366-02032	120	262-02032	160	365-02032
599-02034		1	120	260-02034	160	366-02034	120	262-02034	160	365-02034
599-02036		1.6	120	260-02036	160	366-02036	120	262-02036	160	365-02036
599-02038		2.5	65	260-02038	85	366-02038	65	262-02038	85	365-02038
599-02041		4	65	260-02041	85	366-02041	65	262-02041	85	365-02041
599-02044	3/4	6.3	55	260-02044	70	366-02044	55	262-02044	70	365-02044
599-02046	1	10	55	260-02046	70	366-02046	55	262-02046	70	365-02046
			Close-off PSI – Stainless-steel Trim							
599-02047	1/2	0.4	120	260-02047	160	366-02047	120	262-02047	160	365-02047
599-02049		0.63	120	260-02049	160	366-02049	120	262-02049	160	365-02049
599-02051		1	120	260-02051	160	366-02051	120	262-02051	160	365-02051
599-02053		1.6	120	260-02053	160	366-02053	120	262-02053	160	365-02053
599-02055		2.5	65	260-02055	85	366-02055	65	262-02055	85	365-02055
599-02058		4	65	260-02058	85	366-02058	65	262-02058	85	365-02058
599-02061	3/4	6.3	55	260-02061	70	366-02061	55	262-02061	70	365-02061
599-02063	1	10	55	260-02063	70	366-02063	55	262-02063	70	365-02063
Normally Closed										
			Close-off PSI – Brass Trim							
599-02000	1/2	0.4	95	260-02000	95	366-02000	95	262-02000	95	365-02000
599-02002		0.63	95	260-02002	95	366-02002	95	262-02002	95	365-02002
599-02004		1	95	260-02004	95	366-02004	95	262-02004	95	365-02004
599-02006		1.6	95	260-02006	95	366-02006	95	262-02006	95	365-02006
599-02008		2.5	50	260-02008	50	366-02008	50	262-02008	50	365-02008
599-02010		4	50	260-02010	50	366-02010	50	262-02010	50	365-02010
599-02012	3/4	6.3	40	260-02012	40	366-02012	40	262-02012	40	365-02012
599-02014	1	10	40	260-02014	40	366-02014	40	262-02014	40	365-02014
			Close-off PSI – Stainless-steel Trim							
599-02015	1/2	0.4	95	260-02015	95	366-02015	95	262-02015	95	365-02015
599-02017		0.63	95	260-02017	95	366-02017	95	262-02017	95	365-02017
599-02019		1	95	260-02019	95	366-02019	95	262-02019	95	365-02019
599-02021		1.6	95	260-02021	95	366-02021	95	262-02021	95	365-02021
599-02023		2.5	50	260-02023	50	366-02023	50	262-02023	50	365-02023
599-02025		4	50	260-02025	50	366-02025	50	262-02025	50	365-02025
599-02027	3/4	6.3	40	260-02027	40	366-02027	40	262-02027	40	365-02027
599-02029	1	10	40	260-02029	40	366-02029	40	262-02029	40	365-02029





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

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Electronic Non-Spring Return Actuators



- Normally Open or Normally Closed
- Brass and Stainless-steel Trim

NO/NC 1/2 to 1"			Non-Spring Return Actuator							
			Floating				0-10 V			
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	S55155-A108 (SSC131.09U)		SAS81.03U		S55155-A110 (SSC161.05U)		SAS61.03U	
Normally Open										
			Close-off PSI – Brass Trim							
599-02030	1/2	0.4	120	259-02030	160	363-02030	120	261-02030	160	364-02030
599-02032		0.63	120	259-02032	160	363-02032	120	261-02032	160	364-02032
599-02034		1	120	259-02034	160	363-02034	120	261-02034	160	364-02034
599-02036		1.6	120	259-02036	160	363-02036	120	261-02036	160	364-02036
599-02038		2.5	65	259-02038	85	363-02038	65	261-02038	85	364-02038
599-02041		4	65	259-02041	85	363-02041	65	261-02041	85	364-02041
599-02044	3/4	6.3	55	259-02044	70	363-02044	55	261-02044	70	364-02044
599-02046	1	10	55	259-02046	70	363-02046	55	261-02046	70	364-02046
			Close-off PSI – Stainless-steel Trim							
599-02047	1/2	0.4	120	259-02047	160	363-02047	120	261-02047	160	364-02047
599-02049		0.63	120	259-02049	160	363-02049	120	261-02049	160	364-02049
599-02051		1	120	259-02051	160	363-02051	120	261-02051	160	364-02051
599-02053		1.6	120	259-02053	160	363-02053	120	261-02053	160	364-02053
599-02055		2.5	65	259-02055	85	363-02055	65	261-02055	85	364-02055
599-02058		4	65	259-02058	85	363-02058	65	261-02058	85	364-02058
599-02061	3/4	6.3	55	259-02061	70	363-02061	55	261-02061	70	364-02061
599-02063	1	10	55	259-02063	70	363-02063	55	261-02063	70	364-02063
Normally Closed										
			Close-off PSI – Brass Trim							
599-02000	1/2	0.4	95	259-02000	95	363-02000	95	261-02000	95	364-02000
599-02002		0.63	95	259-02002	95	363-02002	95	261-02002	95	364-02002
599-02004		1	95	259-02004	95	363-02004	95	261-02004	95	364-02004
599-02006		1.6	95	259-02006	95	363-02006	95	261-02006	95	364-02006
599-02008		2.5	50	259-02008	50	363-02008	50	261-02008	50	364-02008
599-02010		4	50	259-02010	50	363-02010	50	261-02010	50	364-02010
599-02012	3/4	6.3	40	259-02012	40	363-02012	40	261-02012	40	364-02012
599-02014	1	10	40	259-02014	40	363-02014	40	261-02014	40	364-02014
			Close-off PSI – Stainless-steel Trim							
599-02015	1/2	0.4	95	259-02015	95	363-02015	95	261-02015	95	364-02015
599-02017		0.63	95	259-02017	95	363-02017	95	261-02017	95	364-02017
599-02019		1	95	259-02019	95	363-02019	95	261-02019	95	364-02019
599-02021		1.6	95	259-02021	95	363-02021	95	261-02021	95	364-02021
599-02023		2.5	50	259-02023	50	363-02023	50	261-02023	50	364-02023
599-02025		4	50	259-02025	50	363-02025	50	261-02025	50	364-02025
599-02027	3/4	6.3	40	259-02027	40	363-02027	40	261-02027	40	364-02027
599-02029	1	10	40	259-02029	40	363-02029	40	261-02029	40	364-02029

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

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Pneumatic Spring Return Actuators



- Brass Trim

Mixing *1/2 to 1"*			Spring Return Actuator 3-8 PSI (21-55 kPa)	
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01088	
			Close-off PSI – Brass Trim	
 599-02064		0.4	40	257-02064B
599-02065		0.63	40	257-02065B
599-02066		1	40	257-02066B
599-02067		1.6	40	257-02067B
599-02068		2.5	28	257-02068B
599-02069	1/2	4	28	257-02069B
599-02070	3/4	6.3	18	257-02070B
599-02071	1	10	18	257-02071B

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 tables in the relevant valve Technical Instructions on our website.

8-13 PSI range is not available as an assembly. Valve and actuator sold separately and will have to be assembled in the field.

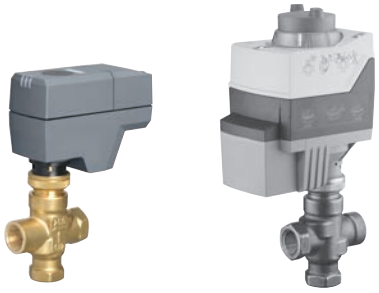
10-15 PSI range is not available as an assembly. Valve and actuator sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Electronic Spring Return Actuators

- Brass and Stainless-steel Trim



Mixing
1/2 to 1"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator – Floating: S55155-A109 (SSC131.39U))	Spring Return Actuator – Floating: SAS81.33U	Spring Return Actuator – 0-10 V: S55155-A111 (SSC161.35U)	Spring Return Actuator – 0-10 V: SAS61.33U
				Brass Trim			
599-02064	1/2	0.4	95	260-02064	366-02064	262-02064	365-02064
599-02065		0.63	95	260-02065	366-02065	262-02065	365-02065
599-02066		1	95	260-02066	366-02066	262-02066	365-02066
599-02067		1.6	95	260-02067	366-02067	262-02067	365-02067
599-02068		2.5	50	260-02068	366-02068	262-02068	365-02068
599-02069		4	50	260-02069	366-02069	262-02069	365-02069
599-02070	3/4	6.3	40	260-02070	366-02070	262-02070	365-02070
599-02071	1	10	40	260-02071	366-02071	262-02071	365-02071
				Stainless-steel Trim			
599-02072	1/2	0.4	95	260-02072	366-02072	262-02072	365-02072
599-02073		0.63	95	260-02073	366-02073	262-02073	365-02073
599-02074		1	95	260-02074	366-02074	262-02074	365-02074
599-02075		1.6	95	260-02075	366-02075	262-02075	365-02075
599-02076		2.5	50	260-02076	366-02076	262-02076	365-02076
599-02077		4	50	260-02077	366-02077	262-02077	365-02077
599-02078	3/4	6.3	40	260-02078	366-02078	262-02078	365-02078
599-02079	1	10	40	260-02079	366-02079	262-02079	365-02079

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 tables in the relevant valve Technical Instructions on our website.

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies – MT Series

ANSI Class 250
Electronic Non-Spring Return Actuators

- Brass and Stainless-steel Trim



Mixing
1/2 to 1"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Non-Spring Return Actuator: Floating — S55155-A108 (SSC131.09U)	Floating — SAS81.03U	0-10 V — S55155-A110 (SSC161.05U)	0-10 V — SAS61.03U
				Brass Trim			
599-02064	1/2	0.4	95	259-02064	363-02064	261-02064	364-02064
599-02065		0.63	95	259-02065	363-02065	261-02065	364-02065
599-02066		1	95	259-02066	363-02066	261-02066	364-02066
599-02067		1.6	95	259-02067	363-02067	261-02067	364-02067
599-02068		2.5	50	259-02068	363-02068	261-02068	364-02068
599-02069		4	50	259-02069	363-02069	261-02069	364-02069
599-02070	3/4	6.3	40	259-02070	363-02070	261-02070	364-02070
599-02071	1	10	40	259-02071	363-02071	261-02071	364-02071
				Stainless-steel Trim			
599-02072	1/2	0.4	95	259-02072	363-02072	261-02072	364-02072
599-02073		0.63	95	259-02073	363-02073	261-02073	364-02073
599-02074		1	95	259-02074	363-02074	261-02074	364-02074
599-02075		1.6	95	259-02075	363-02075	261-02075	364-02075
599-02076		2.5	50	259-02076	363-02076	261-02076	364-02076
599-02077		4	50	259-02077	363-02077	261-02077	364-02077
599-02078	3/4	6.3	40	259-02078	363-02078	261-02078	364-02078
599-02079	1	10	40	259-02079	363-02079	261-02079	364-02079



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 tables in the relevant valve Technical Instructions on our website.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Brass and Stainless-steel Trim

NO/NC Equal Percentage ⋈
1/2 to 2"

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





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

Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.

Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies

ANSI Class 250
Electronic and Electro-Hydraulic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Brass and Stainless-steel Trim

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

Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies

ANSI Class 250
Electronic and Electro-Hydraulic Non-Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Brass and Stainless-steel Trim

NO/NC Equal Percentage ⋈ 1/2 to 2"			Non-Spring Return Actuator					
			Floating 3P		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 SAX81.03U		 SAX61.03U		 SKD60U	
Normally Open								
			Close-off PSI – Brass Trim					
599-03162	1/2	1	250	373-03162	250	371-03162	250	267-03162
599-03163		1.6	250	373-03163	250	371-03163	250	267-03163
599-03164		2.5	250	373-03164	250	371-03164	250	267-03164
599-03165		4	250	373-03165	250	371-03165	250	267-03165
599-03166	3/4	6.3	211	373-03166	211	371-03166	250	267-03166
599-03167	1	10	137	373-03167	137	371-03167	201	267-03167
599-03168	1-1/4	16	85	373-03168	85	371-03168	124	267-03168
599-03169	1-1/2	25	55	373-03169	55	371-03169	80	267-03169
599-03170	2	40	34	373-03170	34	371-03170	49	267-03170
			Close-off PSI – Stainless-steel Trim					
599-03108	1/2	1	—		250	371-03108	250	267-03108
599-03109		1.6	—		250	371-03109	250	267-03109
599-03110		2.5	—		250	371-03110	250	267-03110
599-03111		4	—		250	371-03111	250	267-03111
599-03112	3/4	6.3	—		211	371-03112	250	267-03112
599-03113	1	10	—		137	371-03113	201	267-03113
599-03114	1-1/4	16	—		85	371-03114	124	267-03114
599-03115	1-1/2	25	—		55	371-03115	80	267-03115
599-03116	2	40	—		34	371-03116	49	267-03116
Normally Closed								
			Close-off PSI – Brass Trim					
599-03180	1/2	1	250	373-03180	250	371-03180	250	267-03180
599-03181		1.6	250	373-03181	250	371-03181	250	267-03181
599-03182		2.5	250	373-03182	250	371-03182	250	267-03182
599-03183		4	250	373-03183	250	371-03183	250	267-03183
599-03184	3/4	6.3	250	373-03184	250	371-03184	250	267-03184
599-03185	1	10	159	373-03185	159	371-03185	203	267-03185
599-03186	1-1/4	16	92	373-03186	92	371-03186	117	267-03186
599-03187	1-1/2	25	57	373-03187	57	371-03187	73	267-03187
599-03188	2	40	35	373-03188	35	371-03188	44	267-03188
			Close-off PSI – Stainless-steel Trim					
599-03126	1/2	1	—		250	371-03126	250	267-03126
599-03127		1.6	—		250	371-03127	250	267-03127
599-03128		2.5	—		250	371-03128	250	267-03128
599-03129		4	—		250	371-03129	250	267-03129
599-03130	3/4	6.3	—		250	371-03130	250	267-03130
599-03131	1	10	—		159	371-03131	203	267-03131
599-03132	1-1/4	16	—		92	371-03132	117	267-03132
599-03133	1-1/2	25	—		57	371-03133	73	267-03133
599-03134	2	40	—		35	371-03134	44	267-03134





Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators

- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim



NO/NC Linear 1/2 to 2"			Spring Return Actuator					
			NO 4" 3-8 PSI NC 4" 10-15 PSI		8"		8" with Positioner	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01081 – NO 599-01083 – NC		 599-01050		 599-01050 + 599-00426	
Normally Open								
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)					
599-03000	1/2	1	142	268-03000	—		—	
599-03001		1.6	142	268-03001	—		—	
599-03002		2.5	142	268-03002	—		—	
599-03003		4	142	268-03003	—		—	
599-03004	3/4	6.3	80	268-03004	231	277-03004	231	283-03004
599-03005	1	10	52	268-03005	150	277-03005	150	283-03005
599-03006	1-1/4	16	32	268-03006	93	277-03006	93	283-03006
599-03007	1-1/2	25	20	268-03007	60	277-03007	60	283-03007
599-03008	2	40	12	268-03008	37	277-03008	37	283-03008
			Close-off PSI – High-temperature Range is 337° F max. (170° C)					
599-03054	1/2	1	142	268-03054	—		—	
599-03055		1.6	142	268-03055	—		—	
599-03056		2.5	142	268-03056	—		—	
599-03057		4	142	268-03057	—		—	
599-03058	3/4	6.3	80	268-03058	231	277-03058	231	283-03058
599-03059	1	10	52	268-03059	150	277-03059	150	283-03059
599-03060	1-1/4	16	32	268-03060	93	277-03060	93	283-03060
599-03061	1-1/2	25	20	268-03061	60	277-03061	60	283-03061
599-03062	2	40	12	268-03062	37	277-03062	37	283-03062
Normally Closed								
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)					
599-03018	1/2	1	236	270-03018	—		—	
599-03019		1.6	236	270-03019	—		—	
599-03020		2.5	236	270-03020	—		—	
599-03021		4	236	270-03021	—		—	
599-03022	3/4	6.3	155	270-03022	250	277-03022	250	283-03022
599-03023	1	10	91	270-03023	250	277-03023	250	283-03023
599-03024	1-1/4	16	52	270-03024	148	277-03024	148	283-03024
599-03025	1-1/2	25	32	270-03025	92	277-03025	92	283-03025
599-03026	2	40	20	270-03026	55	277-03026	55	283-03026
			Close-off PSI – High-temperature Range is 337° F max. (170° C)					
599-03072	1/2	1	236	270-03072	—		—	
599-03073		1.6	236	270-03073	—		—	
599-03074		2.5	236	270-03074	—		—	
599-03075		4	236	270-03075	—		—	
599-03076	3/4	6.3	155	270-03076	250	277-03076	250	283-03076
599-03077	1	10	91	270-03077	250	277-03077	250	283-03077
599-03078	1-1/4	16	52	270-03078	148	277-03078	148	283-03078
599-03079	1-1/2	25	32	270-03079	92	277-03079	92	283-03079
599-03080	2	40	20	270-03080	55	277-03080	55	283-03080





Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.
High Temp actuator assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Globe Valve Assemblies

ANSI Class 250
Electronic and Electro-Hydraulic Spring Return or Non-Spring Return Actuators

- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim



NO/NC Linear ⋈
1/2 to 2"

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Spring Return Actuator: Rack & Pinion 0-10 Vdc — 599-03609	Spring Return Actuator: 0-10 Vdc 4-20 mA — SKD62U	Spring Return Actuator: 0-10 Vdc 4-20 mA — SKB62U	Non-Spring Return Actuator: 0-10 Vdc 4-20 mA — SAX61.03U	Non-Spring Return Actuator: 0-10 Vdc 4-20 mA — SKD60U
Normally Open							
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)				
599-03000	1/2	1	250 298-03000	250 274-03000	—	250 371-03000	250 267-03000
599-03001		1.6	250 298-03001	250 274-03001	—	250 371-03001	250 267-03001
599-03002		2.5	250 298-03002	250 274-03002	—	250 371-03002	250 267-03002
599-03003		4	250 298-03003	250 274-03003	—	250 371-03003	250 267-03003
599-03004	3/4	6.3	231 298-03004	250 274-03004	—	211 371-03004	250 267-03004
599-03005	1	10	149 298-03005	201 274-03005	—	137 371-03005	201 267-03005
599-03006	1-1/4	16	92 298-03006	124 274-03006	250 291-03006	85 371-03006	124 267-03006
599-03007	1-1/2	25	59 298-03007	80 274-03007	250 291-03007	55 371-03007	80 267-03007
599-03008	2	40	36 298-03008	49 274-03008	201 291-03008	34 371-03008	49 267-03008
			Close-off PSI – High-temperature Range is 337° F max. (170° C)				
599-03054	1/2	1	—	250 274-03054	—	—	250 267-03054
599-03055		1.6	—	250 274-03055	—	—	250 267-03055
599-03056		2.5	—	250 274-03056	—	—	250 267-03056
599-03057		4	—	250 274-03057	—	—	250 267-03057
599-03058	3/4	6.3	—	250 274-03058	—	—	250 267-03058
599-03059	1	10	—	201 274-03059	—	—	201 267-03059
599-03060	1-1/4	16	—	124 274-03060	250 291-03060	—	124 267-03060
599-03061	1-1/2	25	—	80 274-03061	250 291-03061	—	80 267-03061
599-03062	2	40	—	49 274-03062	201 291-03062	—	49 267-03062
Normally Closed							
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)				
599-03018	1/2	1	250 298-03018	250 274-03018	—	250 371-03018	250 267-03018
599-03019		1.6	250 298-03019	250 274-03019	—	250 371-03019	250 267-03019
599-03020		2.5	250 298-03020	250 274-03020	—	250 371-03020	250 267-03020
599-03021		4	250 298-03021	250 274-03021	—	250 371-03021	250 267-03021
599-03022	3/4	6.3	250 298-03022	250 274-03022	—	250 371-03022	250 267-03022
599-03023	1	10	173 298-03023	203 274-03023	—	159 371-03023	203 267-03023
599-03024	1-1/4	16	100 298-03024	117 274-03024	250 291-03024	92 371-03024	117 267-03024
599-03025	1-1/2	25	61 298-03025	73 274-03025	208 291-03025	57 371-03025	73 267-03025
599-03026	2	40	37 298-03026	44 274-03026	126 291-03026	35 371-03026	44 267-03026
			Close-off PSI – High-temperature Range is 337° F max. (170° C)				
599-03072	1/2	1	—	250 274-03072	—	—	250 267-03072
599-03073		1.6	—	250 274-03073	—	—	250 267-03073
599-03074		2.5	—	250 274-03074	—	—	250 267-03074
599-03075		4	—	250 274-03075	—	—	250 267-03075
599-03076	3/4	6.3	—	250 274-03076	—	—	250 267-03076
599-03077	1	10	—	203 274-03077	—	—	203 267-03077
599-03078	1-1/4	16	—	117 274-03078	250 291-03078	—	117 267-03078
599-03079	1-1/2	25	—	73 274-03079	208 291-03079	—	73 267-03079
599-03080	2	40	—	44 274-03080	126 291-03080	—	44 267-03080





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

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators



- Brass Trim

Mixing *1/2 to 2"*			Spring Return Actuator							
			4" 3-8 PSI		4" 10-15 PSI		8"		8" with Positioner	
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01081		 599-01083		 599-01050		 599-01050 + 599-00426	
			Close-off PSI – Brass Trim							
 599-03198	1/2	1	236	268-03198	236	270-03198	—		—	
599-03199		1.6	236	268-03199	236	270-03199	—		—	
599-03200		2.5	236	268-03200	236	270-03200	—		—	
599-03201		4	236	268-03201	236	270-03201	—		—	
599-03202	3/4	6.3	155	268-03202	155	270-03202	250	277-03202	250	283-03202
599-03203	1	10	91	268-03203	91	270-03203	250	277-03203	250	283-03203
599-03204	1-1/4	16	52	268-03204	52	270-03204	148	277-03204	148	283-03204
599-03205	1-1/2	25	32	268-03205	32	270-03205	92	277-03205	92	283-03205
599-03206	2	40	20	268-03206	20	270-03206	55	277-03206	55	283-03206

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 tables in the relevant valve Technical Instructions on our website.

Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

5-10 PSI range is not available as an assembly. Valve and actuator sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies

ANSI Class 250
Electronic and Electro-Hydraulic Spring Return Actuators



- Brass and Stainless-steel Trim

Mixing
1/2 to 2"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Spring Return Actuator: Rack & Pinion 2P — 599-03611	Rack & Pinion 0-10 Vdc — 599-03609	0-10 Vdc 4-20 mA — SKD62U	0-10 Vdc 4-20 mA — SKB62U
			Close-off PSI – Brass Trim			
599-03198	1/2	1	250 **299-03198**	50 **298-03198**	250 **274-03198**	—
599-03199		1.6	250 **299-03199**	250 **298-03199**	250 **274-03199**	—
599-03200		2.5	250 **299-03200**	250 **298-03200**	250 **274-03200**	—
599-03201		4	250 **299-03201**	250 **298-03201**	250 **274-03201**	—
599-03202	3/4	6.3	250 **299-03202**	250 **298-03202**	250 **274-03202**	—
599-03203	1	10	173 **299-03203**	173 **298-03203**	203 **274-03203**	—
599-03204	1-1/4	16	100 **299-03204**	100 **298-03204**	117 **274-03204**	250 **291-03204**
599-03205	1-1/2	25	61 **299-03205**	61 **298-03205**	73 **274-03205**	208 **291-03205**
599-03206	2	40	37 **299-03206**	37 **298-03206**	44 **274-03206**	126 **291-03206**
			Close-off PSI – Stainless-steel Trim			
599-03144	1/2	1	—	250 **298-03144**	250 **274-03144**	—
599-03145		1.6	—	250 **298-03145**	250 **274-03145**	—
599-03146		2.5	—	250 **298-03146**	250 **274-03146**	—
599-03147		4	—	250 **298-03147**	250 **274-03147**	—
599-03148	3/4	6.3	—	250 **298-03148**	250 **274-03148**	—
599-03149	1	10	—	173 **298-03149**	203 **274-03149**	—
599-03150	1-1/4	16	—	100 **298-03150**	117 **274-03150**	250 **291-03150**
599-03151	1-1/2	25	—	61 **298-03151**	73 **274-03151**	208 **291-03151**
599-03152	2	40	—	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.
Values are for the NC upper port. For NO lower port values, refer to tables in the relevant valve Technical Instructions on our website.
Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Globe Valve Assemblies

ANSI Class 250
Electronic and Electro-Hydraulic Non-Spring Return Actuators

- Brass and Stainless-steel Trim



Mixing *1/2 to 2"*			Non-Spring Return Actuator					
			Floating 3P		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA	
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 SAX81.03U		 SAX61.03U		 SKD60U	
			Close-off PSI – Brass Trim					
599-03198	1/2	1	250	373-03198	250	371-03198	250	267-03198
599-03199		1.6	250	373-03199	250	371-03199	250	267-03199
599-03200		2.5	250	373-03200	250	371-03200	250	267-03200
599-03201		4	250	373-03201	250	371-03201	250	267-03201
599-03202	3/4	6.3	250	373-03202	250	371-03202	250	267-03202
599-03203	1	10	159	373-03203	159	371-03203	203	267-03203
599-03204	1-1/4	16	92	373-03204	92	371-03204	117	267-03204
599-03205	1-1/2	25	57	373-03205	57	371-03205	73	267-03205
599-03206	2	40	35	373-03206	35	371-03206	44	267-03206
			Close-off PSI – Stainless-steel Trim					
599-03144	1/2	1	—		250	371-03144	250	267-03144
599-03145		1.6	—		250	371-03145	250	267-03145
599-03146		2.5	—		250	371-03146	250	267-03146
599-03147		4	—		250	371-03147	250	267-03147
599-03148	3/4	6.3	—		250	371-03148	250	267-03148
599-03149	1	10	—		159	371-03149	203	267-03149
599-03150	1-1/4	16	—		92	371-03150	117	267-03150
599-03151	1-1/2	25	—		57	371-03151	73	267-03151
599-03152	2	40	—		35	371-03152	44	267-03152



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 tables in the relevant valve Technical Instructions on our website.
Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 125
Pneumatic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Bronze and Stainless-steel Trim

NO/NC Equal Percentage *Flanged 2-1/2 to 6"*

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Spring Return Actuator: 8" 20 mm Stroke (599-01050)	Spring Return Actuator: 12" 40 mm Stroke (599-01000)	Spring Return Actuator: 8" w/ Positioner 20 mm Stroke (599-01050 + 599-00426)	Spring Return Actuator: 12" w/ Positioner 40 mm Stroke (599-01000 + 599-00423)
Normally Open						
			Close-off PSI – Bronze Trim			
599-05980	2-1/2	63	31 277-05980	—	31 283-05980	—
599-05981	3	100	20 277-05981	—	20 283-05981	—
599-05982	4	160	—	40 281-05982	—	40 287-05982
599-05983	5	250	—	26 281-05983	—	26 287-05983
599-05984	6	400	—	18 281-05984	—	18 287-05984
			Close-off PSI – Stainless-steel Trim			
599-05960	2-1/2	63	31 277-05960	—	31 283-05960	—
599-05961	3	100	20 277-05961	—	20 283-05961	—
599-05962	4	160	—	40 281-05962	—	40 287-05962
599-05963	5	250	—	26 281-05963	—	26 287-05963
599-05964	6	400	—	18 281-05964	—	18 287-05964
Normally Closed						
			Close-off PSI – Bronze Trim			
599-05990	2-1/2	63	36 277-05990	—	36 283-05990	—
599-05991	3	100	23 277-05991	—	23 283-05991	—
599-05992	4	160	—	46 281-05992	—	46 287-05992
599-05993	5	250	—	29 281-05993	—	29 287-05993
599-05994	6	400	—	20 281-05994	—	20 287-05994
			Close-off PSI – Stainless-steel Trim			
599-05970	2-1/2	63	36 277-05970	—	36 283-05970	—
599-05971	3	100	23 277-05971	—	23 283-05971	—
599-05972	4	160	—	46 281-05972	—	46 287-05972
599-05973	5	250	—	29 281-05973	—	29 287-05973
599-05974	6	400	—	20 281-05974	—	20 287-05974

Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.
12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 125
Electro-Hydraulic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Bronze and Stainless-steel Trim

NO/NC Equal Percentage *Flanged 2-1/2 to 6"*			Spring Return Actuator					
			0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	SKD62U		SKB62U		SKC62U	
Normally Open								
			Close-off PSI – Bronze Trim					
599-05980	2-1/2	63	38	274-05980	153	291-05980	—	
599-05981	3	100	25	274-05981	101	291-05981	—	
599-05982	4	160	—		—		65	294-05982
599-05983	5	250	—		—		42	294-05983
599-05984	6	400	—		—		29	294-05984
			Close-off PSI – Stainless-steel Trim					
599-05960	2-1/2	63	38	274-05960	153	291-05960	—	
599-05961	3	100	25	274-05961	101	291-05961	—	
599-05962	4	160	—		—		65	294-05962
599-05963	5	250	—		—		42	294-05963
599-05964	6	400	—		—		29	294-05964
Normally Closed								
			Close-off PSI – Bronze Trim					
599-05990	2-1/2	63	34	274-05990	97	291-05990	—	
599-05991	3	100	22	274-05991	63	291-05991	—	
599-05992	4	160	—		—		39	294-05992
599-05993	5	250	—		—		25	294-05993
599-05994	6	400	—		—		17	294-05994
			Close-off PSI – Stainless-steel Trim					
599-05970	2-1/2	63	34	274-05970	97	291-05970	—	
599-05971	3	100	22	274-05971	63	291-05971	—	
599-05972	4	160	—		—		39	294-05972
599-05973	5	250	—		—		25	294-05973
599-05974	6	400	—		—		17	294-05974

Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 125
Electro-Hydraulic Non-Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Bronze and Stainless-steel Trim

NO/NC Equal Percentage *Flanged 2-1/2 to 6"*			**0-10 Vdc 4-20 mA**	
2-Way Valve Body Part No.	**Valve Size in.**	**Flow Rate Cv**	 SKD60U	
Normally Open				
			Close-off PSI – Bronze Trim	
599-05980	2-1/2	63	38	**267-05980**
599-05981	3	100	25	**267-05981**
599-05982	4	160		—
599-05983	5	250		—
599-05984	6	400		—
			Close-off PSI – Stainless-steel Trim	
599-05960	2-1/2	63	38	**267-05960**
599-05961	3	100	25	**267-05961**
Normally Closed				
			Close-off PSI – Bronze Trim	
599-05990	2-1/2	63	34	**267-05990**
599-05991	3	100	22	**267-05991**
599-05992	4	160		—
599-05993	5	250		—
599-05994	6	400		—
			Close-off PSI – Stainless-steel Trim	
599-05970	2-1/2	63	34	**267-05970**
599-05971	3	100	22	**267-05971**





Table Notes:

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

Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 125
Pneumatic Spring Return Actuators

- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim



NO/NC Linear Flanged 2-1/2 to 6"			Spring Return Actuator			
			8" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01000	 599-01050 + 599-00426	 599-01000 + 599-00423
Normally Open						
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)			
599-06060	2-1/2	63	31 277-06060	—	31 283-06060	—
599-06061	3	100	20 277-06061	—	20 283-06061	—
599-06062	4	160	—	40 281-06062	—	40 287-06062
599-06063	5	250	—	26 281-06063	—	26 287-06063
599-06064	6	400	—	18 281-06064	—	18 287-06064
			Close-off PSI – High-temperature Range is 337° F max. (170° C)			
599-06040	2-1/2	63	31 277-06040	—	31 283-06040	—
599-06041	3	100	20 277-06041	—	20 283-06041	—
599-06042	4	160	—	40 281-06042	—	40 287-06042
599-06043	5	250	—	26 281-06043	—	26 287-06043
599-06044	6	400	—	18 281-06044	—	18 287-06044
Normally Closed						
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)			
599-06070	2-1/2	63	36 277-06070	—	36 283-06070	—
599-06071	3	100	23 277-06071	—	23 283-06071	—
599-06072	4	160	—	46 281-06072	—	46 287-06072
599-06073	5	250	—	29 281-06073	—	29 287-06073
599-06074	6	400	—	20 281-06074	—	20 287-06074
			Close-off PSI – High-temperature Range is 337° F max. (170° C)			
599-06050	2-1/2	63	36 277-06050	—	36 283-06050	—
599-06051	3	100	23 277-06051	—	23 283-06051	—
599-06052	4	160	—	46 281-06052	—	46 287-06052
599-06053	5	250	—	29 281-06053	—	29 287-06053
599-06054	6	400	—	20 281-06054	—	20 287-06054

Table Notes:

Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

High Temp actuator assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 125
Electro-Hydraulic Spring Return or Non-Spring Return Actuators



- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim

NO/NC Linear *Flanged 2-1/2 to 6"*			Spring Return Actuator						Non-Spring Return Actuator	
			0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA	
2-Way Valve Body Part No.	**Valve Size in.**	**Flow Rate Cv**	 SKD62U		 SKB62U		 SKC62U		 SKD60U	
Normally Open										
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)							
599-06060	2-1/2	63	38	274-06060	153	291-06060	—		38	267-06060
599-06061	3	100	25	274-06061	101	291-06061	—		25	267-06061
599-06062	4	160	—		—		65	294-06062	—	
599-06063	5	250	—		—		42	294-06063	—	
599-06064	6	400	—		—		29	294-06064	—	
			Close-off PSI – High-temperature Range is 337° F max. (170° C)							
599-06040	2-1/2	63	38	274-06040	153	291-06040	—		38	267-06040
599-06041	3	100	25	274-06041	101	291-06041	—		25	267-06041
599-06042	4	160	—		—		65	294-06042	—	
599-06043	5	250	—		—		42	294-06043	—	
599-06044	6	400	—		—		29	294-06044	—	
Normally Closed										
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)							
599-06070	2-1/2	63	34	274-06070	97	291-06070	—		34	267-06070
599-06071	3	100	22	274-06071	63	291-06071	—		22	267-06071
599-06072	4	160	—		—		39	294-06072	—	
599-06073	5	250	—		—		25	294-06073	—	
599-06074	6	400	—		—		17	294-06074	—	
			Close-off PSI – High-temperature Range is 337° F max. (170° C)							
599-06050	2-1/2	63	34	274-06050	97	291-06050	—		34	267-06050
599-06051	3	100	22	274-06051	63	291-06051	—		22	267-06051
599-06052	4	160	—		—		39	294-06052	—	
599-06053	5	250	—		—		25	294-06053	—	
599-06054	6	400	—		—		17	294-06054	—	

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

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Flanged Globe Valve Assemblies

ANSI Class 125
Pneumatic Spring Return Actuators

- Bronze and Stainless-steel Trim



Mixing *Flanged 2-1/2 to 6"*			Spring Return Actuator			
			8" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
			 599-01050	 599-01000	 599-01050 + 599-00426	 599-01000 + 599-00423
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv				
			Close-off PSI – Bronze			
599-06160	2-1/2	63	36 277-06160	—	36 283-06160	—
599-06161	3	100	23 277-06161	—	23 283-06161	—
599-06162	4	160	—	46 281-06162	—	46 287-06162
599-06163	5	250	—	29 281-06163	—	29 287-06163
599-06164	6	400	—	20 281-06164	—	20 287-06164
			Close-off PSI – Stainless-steel Trim			
599-06165	2-1/2	63	36 277-06165	—	36 283-06165	—
599-06166	3	100	23 277-06166	—	23 283-06166	—
599-06167	4	160	—	46 281-06167	—	46 287-06167
599-06168	5	250	—	29 281-06168	—	29 287-06168
599-06169	6	400	—	20 281-06169	—	20 287-06169



Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Flanged Globe Valve Assemblies

ANSI Class 125
Electro-Hydraulic Spring Return or Non-Spring Return Actuators



- Mixing
- Bronze and Stainless-steel Trim

Mixing
Flanged 2-1/2 to 6"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Spring Return Actuator 0-10 Vdc 4-20 mA SKD62U	Spring Return Actuator 0-10 Vdc 4-20 mA SKB62U	Spring Return Actuator 0-10 Vdc 4-20 mA SKC62U
			Close-off PSI – Bronze Trim		
599-06160	2-1/2	63	34 274-06160	97 291-06160	—
599-06161	3	100	22 274-06161	63 291-06161	—
599-06162	4	160	—	—	39 294-06162
599-06163	5	250	—	—	25 294-06163
599-06164	6	400	—	—	17 294-06164
			Close-off PSI – Stainless-steel Trim		
599-06165	2-1/2	63	34 274-06165	97 291-06165	—
599-06166	3	100	22 274-06166	63 291-06166	—
599-06167	4	160	—	—	39 294-06167
599-06168	5	250	—	—	25 294-06168
599-06169	6	400	—	—	17 294-06169



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 tables in the relevant valve Technical Instructions on our website.

Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field.

Mixing
Flanged 2-1/2 to 6"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Non-Spring Return Actuator 0-10 Vdc 4-20 mA SKD60U
			Close-off PSI – Bronze Trim
599-06160	2-1/2	63	34 267-06160
599-06161	3	100	22 267-06161
599-06162	4	160	—
599-06163	5	250	—
599-06164	6	400	—
			Close-off PSI – Stainless-steel Trim
599-06165	2-1/2	63	34 267-06165
599-06166	3	100	22 267-06166



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 tables in the relevant valve Technical Instructions on our website.

Floating SK series assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe
High Pressure Close-off Valve Assemblies

ANSI Class 125
Pneumatic and Electro-Hydraulic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Stainless-steel Trim
- Pressure Balanced Plug
- 200 PSI Close-off

NO/NC Equal Percentage *Flanged 2-1/2 to 6"*				Spring Return Actuator			
				8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 599-01050 + 599-00426	 599-01000 + 599-00423	 SKD62U	 SKC62U
Normally Open							
				Stainless-steel Trim			
 599-06610	2-1/2	63	200	283-06610	—	274-06610	—
599-06611	3	100	200	283-06611	—	274-06611	—
599-06612	4	160	200	—	287-06612	—	294-06612
599-06613	5	250	200	—	287-06613	—	294-06613
599-06614	6	400	200	—	287-06614	—	294-06614
Normally Closed							
				Stainless-steel Trim			
 599-06615	2-1/2	63	200	283-06615	—	274-06615	—
599-06616	3	100	200	283-06616	—	274-06616	—
599-06617	4	160	200	—	287-06617	—	294-06617
599-06618	5	250	200	—	287-06618	—	294-06618
599-06619	6	400	200	—	287-06619	—	294-06619

Table Notes:
Part numbers in red indicate complete assemblies.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe
High Pressure Close-off Valve Assemblies

ANSI Class 250
Pneumatic and Electro-Hydraulic Spring Return Actuators



- Normally Open or Normally Closed
- Equal Percentage
- Stainless-steel Trim
- Pressure Balanced Plug
- 200 PSI Close-off

NO/NC Equal Percentage *Flanged 2-1/2 to 6"*				**Spring Return Actuator**			
				8" w/ Positioner 20 mm Stroke	**12" w/ Positioner 40 mm Stroke**	**0-10 Vdc 4-20 mA**	**0-10 Vdc 4-20 mA**
							
2-Way Valve Body Part No.	**Valve Size in.**	**Flow Rate Cv**	**Close Off PSI**	599-01050 + 599-00426	599-01000 + 599-00423	SKD62U	SKC62U
Normally Open							
				Stainless-steel Trim			
 **599-06620**	2-1/2	63	200	**283-06620**	—	**274-06620**	—
599-06621	3	100	200	**283-06621**	—	**274-06621**	—
599-06622	4	160	200	—	**287-06622**	—	**294-06622**
599-06623	5	250	200	—	**287-06623**	—	**294-06623**
599-06624	6	400	200	—	**287-06624**	—	**294-06624**
Normally Closed							
				Stainless-steel Trim			
 **599-06625**	2-1/2	63	200	**283-06625**	—	**274-06625**	—
599-06626	3	100	200	**283-06626**	—	**274-06626**	—
599-06627	4	160	200	—	**287-06627**	—	**294-06627**
599-06628	5	250	200	—	**287-06628**	—	**294-06628**
599-06629	6	400	200	—	**287-06629**	—	**294-06629**

Table Notes:
Part numbers in red indicate complete assemblies.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators

- Normally Open or Normally Closed
- Equal Percentage
- Bronze and Stainless-steel Trim



NO/NC Equal Percentage *Flanged 2-1/2 to 6"*			Spring Return Actuator			
			8" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01000	 599-01050 + 599-00426	 599-01000 + 599-00423
Normally Open						
			Close-off PSI – Bronze Trim			
599-05940	2-1/2	63	31 277-05940	—	31 283-05940	—
599-05941	3	100	20 277-05941	—	20 283-05941	—
599-05942	4	160	—	40 281-05942	—	40 287-05942
599-05943	5	250	—	26 281-05943	—	26 287-05943
599-05944	6	400	—	18 281-05944	—	18 287-05944
			Close-off PSI – Stainless-steel Trim			
599-05920	2-1/2	63	31 277-05920	—	31 283-05920	—
599-05921	3	100	20 277-05921	—	20 283-05921	—
599-05922	4	160	—	40 281-05922	—	40 287-05922
599-05923	5	250	—	26 281-05923	—	26 287-05923
599-05924	6	400	—	18 281-05924	—	18 287-05924
Normally Closed						
			Close-off PSI – Bronze Trim			
599-05950	2-1/2	63	36 277-05950	—	36 283-05950	—
599-05951	3	100	23 277-05951	—	23 283-05951	—
599-05952	4	160	—	46 281-05952	—	46 287-05952
599-05953	5	250	—	29 281-05953	—	29 287-05953
599-05954	6	400	—	20 281-05954	—	20 287-05954
			Close-off PSI – Stainless-steel Trim			
599-05930	2-1/2	63	36 277-05930	—	36 283-05930	—
599-05931	3	100	23 277-05931	—	23 283-05931	—
599-05932	4	160	—	46 281-05932	—	46 287-05932
599-05933	5	250	—	29 281-05933	—	29 287-05933
599-05934	6	400	—	20 281-05934	—	20 287-05934

Table Notes:

Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 250
Electro-Hydraulic Spring Return or Non-Spring Return Actuators

- Normally Open or Normally Closed
- Equal Percentage
- Bronze and Stainless-steel Trim



NO/NC Equal Percentage *Flanged 2-1/2 to 6"*			Spring Return Actuator			Non-Spring Return Actuator
			0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	SKD62U	SKB62U	SKC62U	SKD60U
Normally Open						
			Close-off PSI – Bronze Trim			
599-05940	2-1/2	63	38 274-05940	153 291-05940	—	38 267-05940
599-05941	3	100	25 274-05941	101 291-05941	—	25 267-05941
599-05942	4	160	—	—	65 294-05942	—
599-05943	5	250	—	—	42 294-05943	—
599-05944	6	400	—	—	29 294-05944	—
			Close-off PSI – Stainless-steel Trim			
599-05920	2-1/2	63	38 274-05920	153 291-05920	—	—
599-05921	3	100	25 274-05921	101 291-05921	—	—
599-05922	4	160	—	—	65 294-05922	—
599-05923	5	250	—	—	42 294-05923	—
599-05924	6	400	—	—	29 294-05924	—
Normally Closed						
			Close-off PSI – Bronze Trim			
599-05950	2-1/2	63	34 274-05950	97 291-05950	—	34 267-05950
599-05951	3	100	22 274-05951	63 291-05951	—	22 267-05951
599-05952	4	160	—	—	39 294-05952	—
599-05953	5	250	—	—	25 294-05953	—
599-05954	6	400	—	—	17 294-05954	—
			Close-off PSI – Stainless-steel Trim			
599-05930	2-1/2	63	34 274-05930	97 291-05930	—	—
599-05931	3	100	22 274-05931	63 291-05931	—	—
599-05932	4	160	—	—	39 294-05932	—
599-05933	5	250	—	—	25 294-05933	—
599-05934	6	400	—	—	17 294-05934	—

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

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators

- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim



NO/NC Linear Flanged 2-1/2 to 6"			Spring Return Actuator			
			8" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01000	 599-01050 + 599-00426	 599-01000 + 599-00423
Normally Open						
			Close-off PSI – Standard-temperature Range 20º F to 250º F (-7º C to 120º C)			
599-06140	2-1/2	63	31 277-06140	—	31 283-06140	—
599-06141	3	100	20 277-06141	—	20 283-06141	—
599-06142	4	160	—	40 281-06142	—	40 287-06142
599-06143	5	250	—	26 281-06143	—	26 287-06143
599-06144	6	400	—	18 281-06144	—	18 287-06144
			**Close-off PSI – High-temperature Range is 337º F max. (170º C)**			
599-06120	2-1/2	63	31 277-06120	—	31 283-06120	—
599-06121	3	100	20 277-06121	—	20 283-06121	—
599-06122	4	160	—	40 281-06122	—	40 287-06122
599-06123	5	250	—	26 281-06123	—	26 287-06123
599-06124	6	400	—	18 281-06124	—	18 287-06124
Normally Closed						
			Close-off PSI – Standard-temperature Range 20º F to 250º F (-7º C to 120º C)			
599-06150	2-1/2	63	36 277-06150	—	36 283-06150	—
599-06151	3	100	23 277-06151	—	23 283-06151	—
599-06152	4	160	—	46 281-06152	—	46 287-06152
599-06153	5	250	—	29 281-06153	—	29 287-06153
599-06154	6	400	—	20 281-06154	—	20 287-06154
			**Close-off PSI – High-temperature Range is 337º F max. (170º C)**			
599-06130	2-1/2	63	36 277-06130	—	36 283-06130	—
599-06131	3	100	23 277-06131	—	23 283-06131	—
599-06132	4	160	—	46 281-06132	—	46 287-06132
599-06133	5	250	—	29 281-06133	—	29 287-06133
599-06134	6	400	—	20 281-06134	—	20 287-06134

Table Notes:
Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off values are for 15 PSI signal for Normally Open and 0 PSI signal for Normally Closed.
Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

High Temp actuator assemblies are not available. Valve and actuator sold separately and will have to be assembled in the field

12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Flanged Globe Valve Assemblies

ANSI Class 250
Electro-Hydraulic Spring Return Actuators



- Normally Open or Normally Closed
- Linear
- Stainless-steel Trim

NO/NC Linear *Flanged 2-1/2 to 6"*			Spring Return Actuator					
			0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA		0-10 Vdc 4-20 mA	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	SKD62U		SKB62U		SKC62U	
Normally Open								
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)					
599-06140	2-1/2	63	38	274-06140	153	291-06140	—	
599-06141	3	100	25	274-06141	101	291-06141	—	
599-06142	4	160	—		—		65	294-06142
599-06143	5	250	—		—		42	294-06143
599-06144	6	400	—		—		29	294-06144
			Close-off PSI – High-temperature Range is 337° F max. (170° C)					
599-06120	2-1/2	63	38	274-06120	153	291-06120	—	
599-06121	3	100	25	274-06121	101	291-06121	—	
599-06122	4	160	—		—		65	294-06122
599-06123	5	250	—		—		42	294-06123
599-06124	6	400	—		—		29	294-06124
Normally Closed								
			Close-off PSI – Standard-temperature Range 20° F to 250° F (-7° C to 120° C)					
599-06150	2-1/2	63	34	274-06150	97	291-06150	—	
599-06151	3	100	22	274-06151	63	291-06151	—	
599-06152	4	160	—		—		39	294-06152
599-06153	5	250	—		—		25	294-06153
599-06154	6	400	—		—		17	294-06154
			Close-off PSI – High-temperature Range is 337° F max. (170° C)					
599-06130	2-1/2	63	34	274-06130	97	291-06130	—	
599-06131	3	100	22	274-06131	63	291-06131	—	
599-06132	4	160	—		—		39	294-06132
599-06133	5	250	—		—		25	294-06133
599-06134	6	400	—		—		17	294-06134

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

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Flanged Globe Valve Assemblies

ANSI Class 250
Pneumatic Spring Return Actuators

- Mixing
- Bronze and Stainless-steel Trim



Mixing *Flanged 2-1/2 to 6"*			Spring Return Actuator			
			8" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01000	 599-01050 + 599-00426	 599-01000 + 599-00423
			Close-off PSI – Bronze Trim			
599-06170	2-1/2	63	36 277-06170	—	36 283-06170	—
599-06171	3	100	23 277-06171	—	23 283-06171	—
599-06172	4	160	—	46 281-06172	—	46 287-06172
599-06173	5	250	—	29 281-06173	—	29 287-06173
599-06174	6	400	—	20 281-06174	—	20 287-06174
			Close-off PSI – Stainless-steel Trim			
599-06175	2-1/2	63	36 277-06175	—	36 283-06175	—
599-06176	3	100	23 277-06176	—	23 283-06176	—
599-06177	4	160	—	46 281-06177	—	46 287-06177
599-06178	5	250	—	29 281-06178	—	29 287-06178
599-06179	6	400	—	20 281-06179	—	20 287-06179



Table Notes:

Part numbers in red indicate complete assemblies. **Black numbers** indicate close-off PSI.
Close-off valves are for 15 PSI signal to NO and 0 PSI NC.
Close-off valves for NO valves with positioner may be substantially higher based on line supply pressure.
Values are for the NC upper port. For NO lower port values, refer to tables in the relevant valve Technical Instructions on our website.

12" 20 mm stroke assemblies are not available. Valve, actuator and positioner sold separately and will have to be assembled in the field.

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Flanged Globe Valve Assemblies

ANSI Class 250
Electro-Hydraulic Spring Return or Non-Spring Return Actuators

- Mixing
- Bronze and Stainless-steel Trim



Mixing
Flanged 2-1/2 to 6"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Spring Return Actuator: 0-10 Vdc 4-20 mA — SKD62U	Spring Return Actuator: 0-10 Vdc 4-20 mA — SKB62U	Spring Return Actuator: 0-10 Vdc 4-20 mA — SKC62U	Non-Spring Return Actuator: 0-10 Vdc 4-20 mA — SKD60U
			Close-off PSI – Bronze Trim			
599-06170	2-1/2	63	34 274-06170	97 291-06170	—	34 267-06170
599-06171	3	100	22 274-06171	63 291-06171	—	22 267-06171
599-06172	4	160	—	—	39 294-06172	—
599-06173	5	250	—	—	25 294-06173	—
599-06174	6	400	—	—	17 294-06174	—
			Close-off PSI – Stainless-steel Trim			
599-06175	2-1/2	63	34 274-06175	97 291-06175	—	—
599-06176	3	100	22 274-06176	63 291-06176	—	—
599-06177	4	160	—	—	39 294-06177	—
599-06178	5	250	—	—	25 294-06178	—
599-06179	6	400	—	—	17 294-06179	—



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 tables in the relevant valve Technical Instructions on our website..

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- Normally Open
- GQD Damper Actuator Series
- Low profile bracket
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless-steel ball and stem

NO
1/2 to 3/4"

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator – Normally Open: 2P GQD121.1P	2P w/ Dual Aux. Switches GQD126.1P	2P, 120 V GQD221.1U	Floating GQD131.1P	2-10 Vdc GQD151.1P
				Chrome-Plated Brass Ball and Brass Stem				
599-10300	1/2	0.4	200	171H-10300	—	—	171J-10300	171K-10300
599-10301		0.63	200	171H-10301	—	—	171J-10301	171K-10301
599-10302		1.0	200	171H-10302	—	—	171J-10302	171K-10302
599-10303		1.6	200	171H-10303	—	—	171J-10303	171K-10303
599-10304		2.5	200	171H-10304	—	—	171J-10304	171K-10304
599-10305		4.0	200	171H-10305	—	—	171J-10305	171K-10305
599-10306		6.3	200	171H-10306	—	—	171J-10306	171K-10306
599-10307*		10	200	171H-10307*	—	171L-10307*	171J-10307*	171K-10307*
599-10308	3/4	6.3	200	171H-10308	—	—	171J-10308	171K-10308
599-10309		10	200	171H-10309	—	—	171J-10309	171K-10309
599-10310		16	200	171H-10310	—	—	171J-10310	171K-10310
599-10311*		25	200	171H-10311*	—	171L-10311*	171J-10311*	171K-10311*
				Stainless-steel Ball and Stem				
599-10300S	1/2	0.4	200	171H-10300S	—	—	171J-10300S	171K-10300S
599-10301S		0.63	200	171H-10301S	—	—	171J-10301S	171K-10301S
599-10302S		1.0	200	171H-10302S	—	—	171J-10302S	171K-10302S
599-10303S		1.6	200	171H-10303S	—	—	171J-10303S	171K-10303S
599-10304S		2.5	200	171H-10304S	—	—	171J-10304S	171K-10304S
599-10305S		4.0	200	171H-10305S	—	—	171J-10305S	171K-10305S
599-10306S		6.3	200	171H-10306S	—	—	171J-10306S	171K-10306S
599-10307S*		10	200	171H-10307S*	171N-10307S*	171L-10307S*	171J-10307S*	171K-10307S*
599-10308S	3/4	6.3	200	171H-10308S	—	—	171J-10308S	171K-10308S
599-10309S		10	200	171H-10309S	—	—	171J-10309S	171K-10309S
599-10310S		16	200	171H-10310S	—	—	171J-10310S	171K-10310S
599-10311S*		25	200	171H-10311S*	171N-10311S*	171L-10311S*	171J-10311S*	171K-10311S*

Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- Normally Open
- GMA Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless-steel ball and stem

NO
1 to 2"

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator – Normally Open: 2P GMA121.1P	2P w/ Dual Aux. Switches GMA126.1P	2P, 120 V GMA221.1U	0-10 Vdc GMA161.1P
Chrome-Plated Brass Ball and Brass Stem							
599-10312	1	10	200	171E-10312	—	—	171G-10312
599-10313		16	200	171E-10313	—	—	171G-10313
599-10314		25	200	171E-10314	—	—	171G-10314
599-10315		40	200	171E-10315	—	—	171G-10315
599-10316*		63	200	171E-10316*	—	171M-10316*	171G-10316*
599-10317	1-1/4	16	200	171E-10317	—	—	171G-10317
599-10318		25	200	171E-10318	—	—	171G-10318
599-10319		40	200	171E-10319	—	—	171G-10319
599-10320		63	200	171E-10320	—	—	171G-10320
599-10321*		100	200	171E-10321*	—	171M-10321*	171G-10321*
599-10322	1-1/2	25	200	171E-10322	—	—	171G-10322
599-10323		40	200	171E-10323	—	—	171G-10323
599-10324		63	200	171E-10324	—	—	171G-10324
599-10325		100	200	171E-10325	—	—	171G-10325
599-10326*		160	200	171E-10326*	—	171M-10326*	171G-10326*
599-10327	2	40	200	171E-10327	—	—	171G-10327
599-10328		63	200	171E-10328	—	—	171G-10328
599-10329*		100	200	171E-10329*	—	—	171G-10329*
599-10330*		160	200	171E-10330*	—	171M-10330*	171G-10330*
Stainless-steel Ball and Stem							
599-10312S	1	10	200	171E-10312S	—	—	171G-10312S
599-10313S		16	200	171E-10313S	—	—	171G-10313S
599-10314S		25	200	171E-10314S	—	—	171G-10314S
599-10315S		40	200	171E-10315S	—	—	171G-10315S
599-10316S*		63	200	171E-10316S*	171P-10316S*	171M-10316S*	171G-10316S*
599-10317S	1-1/4	16	200	171E-10317S	—	—	171G-10317S
599-10318S		25	200	171E-10318S	—	—	171G-10318S
599-10319S		40	200	171E-10319S	—	—	171G-10319S
599-10320S		63	200	171E-10320S	—	—	171G-10320S
599-10321S*		100	200	171E-10321S*	171P-10321S*	171M-10321S*	171G-10321S*
599-10322S	1-1/2	25	200	171E-10322S	—	—	171G-10322S
599-10323S		40	200	171E-10323S	—	—	171G-10323S
599-10324S*		63	200	171E-10324S*	—	—	171G-10324S*
599-10325S		100	200	171E-10325S	—	—	171G-10325S
599-10326S*		160	200	171E-10326S*	171P-10326S*	171M-10326S*	171G-10326S*
599-10327S	2	40	200	171E-10327S	—	—	171G-10327S
599-10328S		63	200	171E-10328S	—	—	171G-10328S
599-10329S*		100	200	171E-10329S*	—	—	171G-10329S*
599-10330S*		160	200	171E-10330S*	171P-10330S*	171M-10330S*	171G-10330S*

Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- Normally Closed
- GQD Damper Actuator Series
- Low profile bracket
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless-steel ball and stem

NC
1/2 to 3/4"

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator – Normally Closed: 2P GQD121.1P	2P w/ Dual Aux. Switches GQD126.1P	2P, 120 V GQD221.1U	Floating GQD131.1P	2-10 Vdc GQD151.1P
Chrome-Plated Brass Ball and Brass Stem								
599-10300	1/2	0.4	200	172H-10300	—	—	172J-10300	172K-10300
599-10301		0.63	200	172H-10301	—	—	172J-10301	172K-10301
599-10302		1.0	200	172H-10302	—	—	172J-10302	172K-10302
599-10303		1.6	200	172H-10303	—	—	172J-10303	172K-10303
599-10304		2.5	200	172H-10304	—	—	172J-10304	172K-10304
599-10305		4.0	200	172H-10305	—	—	172J-10305	172K-10305
599-10306		6.3	200	172H-10306	—	—	172J-10306	172K-10306
599-10307*		10	200	172H-10307*	—	172L-10307*	172J-10307*	172K-10307*
599-10308	3/4	6.3	200	172H-10308	—	—	172J-10308	172K-10308
599-10309		10	200	172H-10309	—	—	172J-10309	172K-10309
599-10310		16	200	172H-10310	—	—	172J-10310	172K-10310
599-10311*		25	200	172H-10311*	—	172L-10311*	172J-10311*	172K-10311*
Stainless-steel Ball and Stem								
599-10300S	1/2	0.4	200	172H-10300S	—	—	172J-10300S	172K-10300S
599-10301S		0.63	200	172H-10301S	—	—	172J-10301S	172K-10301S
599-10302S		1.0	200	172H-10302S	—	—	172J-10302S	172K-10302S
599-10303S		1.6	200	172H-10303S	—	—	172J-10303S	172K-10303S
599-10304S		2.5	200	172H-10304S	—	—	172J-10304S	172K-10304S
599-10305S		4.0	200	172H-10305S	—	—	172J-10305S	172K-10305S
599-10306S		6.3	200	172H-10306S	—	—	172J-10306S	172K-10306S
599-10307S*		10	200	172H-10307S*	172N-10307S*	172L-10307S*	172J-10307S*	172K-10307S*
599-10308S	3/4	6.3	200	172H-10308S	—	—	172J-10308S	172K-10308S
599-10309S		10	200	172H-10309S	—	—	172J-10309S	172K-10309S
599-10310S		16	200	172H-10310S	—	—	172J-10310S	172K-10310S
599-10311S*		25	200	172H-10311S*	172N-10311S*	172L-10311S*	172J-10311S*	172K-10311S*

Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- Normally Closed
- GMA Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless-steel ball and stem

NC *1 to 2"*				Spring Return Actuator			
				Normally Closed			
				2P	2P w/ Dual Aux. Switches	2P, 120 V	0-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 GMA121.1P	 GMA126.1P	 GMA221.1U	 GMA161.1P
				Chrome-Plated Brass Ball and Brass Stem			
599-10312	1	10	200	172E-10312	—	—	172G-10312
599-10313		16	200	172E-10313	—	—	172G-10313
599-10314		25	200	172E-10314	—	—	172G-10314
599-10315		40	200	172E-10315	—	—	172G-10315
599-10316*		63	200	172E-10316*	—	172M-10316*	172G-10316*
599-10317	1-1/4	16	200	172E-10317	—	—	172G-10317
599-10318		25	200	172E-10318	—	—	172G-10318
599-10319		40	200	172E-10319	—	—	172G-10319
599-10320		63	200	172E-10320	—	—	172G-10320
599-10321*		100	200	172E-10321*	—	172M-10321*	172G-10321*
599-10322	1-1/2	25	200	172E-10322	—	—	172G-10322
599-10323		40	200	172E-10323	—	—	172G-10323
599-10324		63	200	172E-10324	—	—	172G-10324
599-10325		100	200	172E-10325	—	—	172G-10325
599-10326*		160	200	172E-10326*	—	172M-10326*	172G-10326*
599-10327	2	40	200	172E-10327	—	—	172G-10327
599-10328		63	200	172E-10328	—	—	172G-10328
599-10329*		100	200	172E-10329*	—	—	172G-10329*
599-10330*		160	200	172E-10330*	—	172M-10330*	172G-10330*
				Stainless-steel Ball and Stem			
599-10312S	1	10	200	172E-10312S	—	—	172G-10312S
599-10313S		16	200	172E-10313S	—	—	172G-10313S
599-10314S		25	200	172E-10314S	—	—	172G-10314S
599-10315S		40	200	172E-10315S	—	—	172G-10315S
599-10316S*		63	200	172E-10316S*	172P-10316S*	172M-10316S*	172G-10316S*
599-10317S	1-1/4	16	200	172E-10317S	—	—	172G-10317S
599-10318S		25	200	172E-10318S	—	—	172G-10318S
599-10319S		40	200	172E-10319S	—	—	172G-10319S
599-10320S		63	200	172E-10320S	—	—	172G-10320S
599-10321S*		100	200	172E-10321S*	172P-10321S*	172M-10321S*	172G-10321S*
599-10322S	1-1/2	25	200	172E-10322S	—	—	172G-10322S
599-10323S		40	200	172E-10323S	—	—	172G-10323S
599-10324S		63	200	172E-10324S	—	—	172G-10324S
599-10325S		100	200	172E-10325S	—	—	172G-10325S
599-10326S*		160	200	172E-10326S*	172P-10326S*	172M-10326S*	172G-10326S*
599-10327S	2	40	200	172E-10327S	—	—	172G-10327S
599-10328S		63	200	172E-10328S	—	—	172G-10328S
599-10329S*		100	200	172E-10329S*	—	—	172G-10329S*
599-10330S*		160	200	172E-10330S*	172P-10330S*	172M-10330S*	172G-10330S*



Table Notes:

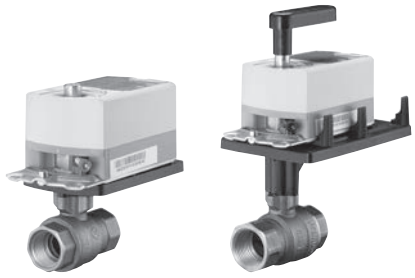
Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators



- Normally Open
- GDE Damper Actuator Series
- 1/2" and 3/4" valves feature low profile bracket
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated ball and brass stem

NO
1/2 to 1-1/4"

2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Non-Spring Return Actuator – Normally Open – Floating: GDE131.1P 3-foot (.9m) Wires	Non-Spring Return Actuator – Normally Open – 0-10 Vdc: GDE161.1P 3-foot (.9m) Wires
				Chrome-Plated Brass Ball and Brass Stem	
599-10300	1/2	0.4	200	171A-10300	171C-10300
599-10301		0.63	200	171A-10301	171C-10301
599-10302		1.0	200	171A-10302	171C-10302
599-10303		1.6	200	171A-10303	171C-10303
599-10304		2.5	200	171A-10304	171C-10304
599-10305		4.0	200	171A-10305	171C-10305
599-10306		6.3	200	171A-10306	171C-10306
599-10307*		10	200	171A-10307*	171C-10307*
599-10308	3/4	6.3	200	171A-10308	171C-10308
599-10309		10	200	171A-10309	171C-10309
599-10310		16	200	171A-10310	171C-10310
599-10311*		25	200	171A-10311*	171C-10311*
599-10312	1	10	200	171A-10312	171C-10312
599-10313		16	200	171A-10313	171C-10313
599-10314		25	200	171A-10314	171C-10314
599-10315		40	200	171A-10315	171C-10315
599-10316*		63	200	171A-10316*	171C-10316*
599-10317	1-1/4	16	200	171A-10317	171C-10317
599-10318		25	200	171A-10318	171C-10318
599-10319		40	200	171A-10319	171C-10319
599-10320		63	200	171A-10320	171C-10320
599-10321*		100	200	171A-10321*	171C-10321*

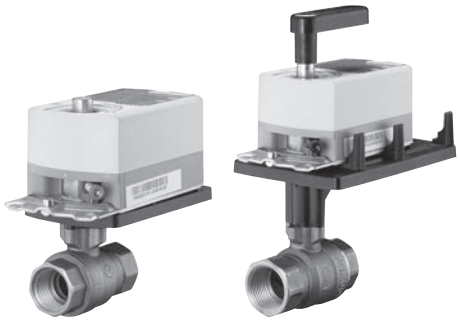
Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- Normally Open
- GDE Damper Actuator Series
- 1/2" and 3/4" valves feature low profile bracket
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Stainless-steel ball and stem



NO *1/2 to 1-1/4"* ⋈				Non-Spring Return Actuator	
				Normally Open	
				Floating	0-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 GDE131.1P Conduit Adapter & 3-foot (.9m) Wires	 GDE161.1P Conduit Adapter & 3-foot (.9m) Wires
				Stainless-steel Ball and Stem	
599-10300S	1/2	0.4	200	171A-10300S	171C-10300S
599-10301S		0.63	200	171A-10301S	171C-10301S
599-10302S		1.0	200	171A-10302S	171C-10302S
599-10303S		1.6	200	171A-10303S	171C-10303S
599-10304S		2.5	200	171A-10304S	171C-10304S
599-10305S		4.0	200	171A-10305S	171C-10305S
599-10306S		6.3	200	171A-10306S	171C-10306S
599-10307S*		10	200	171A-10307S*	171C-10307S*
599-10308S	3/4	6.3	200	171A-10308S	171C-10308S
599-10309S		10	200	171A-10309S	171C-10309S
599-10310S		16	200	171A-10310S	171C-10310S
599-10311S*		25	200	171A-10311S*	171C-10311S*
599-10312S	1	10	200	171A-10312S	171C-10312S
599-10313S		16	200	171A-10313S	171C-10313S
599-10314S		25	200	171A-10314S	171C-10314S
599-10315S		40	200	171A-10315S	171C-10315S
599-10316S*		63	200	171A-10316S*	171C-10316S*
599-10317S	1-1/4	16	200	171A-10317S	171C-10317S
599-10318S		25	200	171A-10318S	171C-10318S
599-10319S		40	200	171A-10319S	171C-10319S
599-10320S		63	200	171A-10320S	171C-10320S
599-10321S*		100	200	171A-10321S*	171C-10321S*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators



- GLB Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless-steel ball and stem

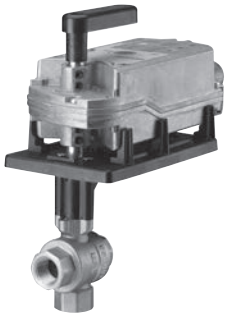
NO *1-1/2 to 2"* ⋈				Non-Spring Return Actuator	
				Normally Open	
				Floating	0-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	 GLB131.1P 3-foot (.9m) Wires	 GLB161.1P 3-foot (.9m) Wires
				Chrome-Plated Brass Ball and Brass Stem	
599-10322	1-1/2	25	200	171B-10322	171D-10322
599-10323		40	200	171B-10323	171D-10323
599-10324		63	200	171B-10324	171D-10324
599-10325		100	200	171B-10325	171D-10325
599-10326*		160	200	171B-10326*	171D-10326*
599-10327	2	40	200	171B-10327	171D-10327
599-10328		63	200	171B-10328	171D-10328
599-10329*		100	200	171B-10329*	171D-10329*
599-10330*		160	200	171B-10330*	171D-10330*
				Stainless-steel Ball and Stem	
599-10322S	1-1/2	25	200	171B-10322S	171D-10322S
599-10323S		40	200	171B-10323S	171D-10323S
599-10324S		63	200	171B-10324S	171D-10324S
599-10325S		100	200	171B-10325S	171D-10325S
599-10326S*		160	200	171B-10326S*	171D-10326S*
599-10327S	2	40	200	171B-10327S	171D-10327S
599-10328S		63	200	171B-10328S	171D-10328S
599-10329S*		100	200	171B-10329S*	171D-10329S*
599-10330S*		160	200	171B-10330S*	171D-10330S*

Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- GMA Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem

Mixing/Diverting

1/2 to 2"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator GMA Series 2P GMA121.1P	Spring Return Actuator GMA Series 0-10 Vdc GMA161.1P
				Chrome-Plated Brass Ball and Brass Stem	
599-10350	1/2	0.4	200	171E-10350	171G-10350
599-10351		0.63	200	171E-10351	171G-10351
599-10352		1.0	200	171E-10352	171G-10352
599-10353		1.6	200	171E-10353	171G-10353
599-10354		2.5	200	171E-10354	171G-10354
599-10355		4	200	171E-10355	171G-10355
599-10356		6.3	200	171E-10356	171G-10356
599-10357*		10	200	171E-10357*	171G-10357*
599-10358	3/4	6.3	200	171E-10358	171G-10358
599-10359		10	200	171E-10359	171G-10359
599-10360*		16	200	171E-10360*	171G-10360*
599-10361	1	10	200	171E-10361	171G-10361
599-10362		16	200	171E-10362	171G-10362
599-10363*		25	200	171E-10363*	171G-10363*
599-10364	1-1/4	16	200	171E-10364	171G-10364
599-10365		25	200	171E-10365	171G-10365
599-10366*		40	200	171E-10366*	171G-10366*
599-10367	1-1/2	25	200	171E-10367	171G-10367
599-10368		40	200	171E-10368	171G-10368
599-10369*		63	200	171E-10369*	171G-10369*
599-10370	2	40	200	171E-10370	171G-10370
599-10371		63	200	171E-10371	171G-10371
599-10372*		100	200	171E-10372*	171G-10372*



Table Notes:

Part numbers in red indicate complete assemblies.

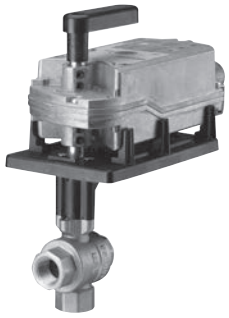
*Denotes a full-port valve with no flow optimizer insert.

NOTE: Maximum operating differential pressure = 60 PSI for 1/2" to 1-1/2", 50 PSI for 2"

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Ball Valve Assemblies

Electronic Spring Return Actuators



- GMA Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Stainless-steel ball and stem

Mixing/Diverting
1/2 to 2"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Spring Return Actuator GMA Series 2P GMA121.1P	Floating GMA131.1P	0-10 Vdc GMA161.1P
				Stainless-steel Ball and Stem		
599-10350S	1/2	0.4	200	171E-10350S	171F-10350S	171G-10350S
599-10351S		0.63	200	171E-10351S	171F-10351S	171G-10351S
599-10352S		1.0	200	171E-10352S	171F-10352S	171G-10352S
599-10353S		1.6	200	171E-10353S	171F-10353S	171G-10353S
599-10354S		2.5	200	171E-10354S	171F-10354S	171G-10354S
599-10355S		4	200	171E-10355S	171F-10355S	171G-10355S
599-10356S		6.3	200	171E-10356S	171F-10356S	171G-10356S
599-10357S*		10	200	171E-10357S*	171F-10357S*	171G-10357S*
599-10358S	3/4	6.3	200	171E-10358S	171F-10358S	171G-10358S
599-10359S		10	200	171E-10359S	171F-10359S	171G-10359S
599-10360S*		16	200	171E-10360S*	171F-10360S*	171G-10360S*
599-10361S	1	10	200	171E-10361S	171F-10361S	171G-10361S
599-10362S		16	200	171E-10362S	171F-10362S	171G-10362S
599-10363S*		25	200	171E-10363S*	171F-10363S*	171G-10363S*
599-10364S	1-1/4	16	200	171E-10364S	171F-10364S	171G-10364S
599-10365S		25	200	171E-10365S	171F-10365S	171G-10365S
599-10366S*		40	200	171E-10366S*	171F-10366S*	171G-10366S*
599-10367S	1-1/2	25	200	171E-10367S	171F-10367S	171G-10367S
599-10368S		40	200	171E-10368S	171F-10368S	171G-10368S
599-10369S*		63	200	171E-10369S*	171F-10369S*	171G-10369S*
599-10370S	2	40	200	171E-10370S	171F-10370S	171G-10370S
599-10371S		63	200	171E-10371S	171F-10371S	171G-10371S
599-10372S*		100	200	171E-10372S*	171F-10372S*	171G-10372S*



Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.
NOTE: Maximum operating differential pressure = 60 PSI for 1/2" to 1-1/2", 50 PSI for 2"

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GDE/GLB Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem



Mixing/Diverting
1/2 to 2"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Non-Spring Return Actuator — GDE and GLB Series — Floating: GDE131.1P (171A) and GLB131.1P (171B) Conduit Adapter & 3-foot (.9m) Wires	Non-Spring Return Actuator — GDE and GLB Series — 0-10 Vdc: GDE161.1P (171C) and GLB161.1P (171D) Conduit Adapter & 3-foot (.9m) Wires
				Chrome-Plated Brass Ball and Brass Stem	
599-10350	1/2	0.4	200	171A-10350	171C-10350
599-10351		0.63	200	171A-10351	171C-10351
599-10352		1.0	200	171A-10352	171C-10352
599-10353		1.6	200	171A-10353	171C-10353
599-10354		2.5	200	171A-10354	171C-10354
599-10355		4	200	171A-10355	171C-10355
599-10356		6.3	200	171A-10356	171C-10356
599-10357*		10	200	171A-10357*	171C-10357*
599-10358	3/4	6.3	200	171A-10358	171C-10358
599-10359		10	200	171A-10359	171C-10359
599-10360*		16	200	171A-10360*	171C-10360*
599-10361	1	10	200	171A-10361	171C-10361
599-10362		16	200	171A-10362	171C-10362
599-10363*		25	200	171A-10363*	171C-10363*
599-10364	1-1/4	16	200	171A-10364	171C-10364
599-10365		25	200	171A-10365	171C-10365
599-10366*		40	200	171A-10366*	171C-10366*
599-10367	1-1/2	25	200	171B-10367	171D-10367
599-10368		40	200	171B-10368	171D-10368
599-10369*		63	200	171B-10369*	171D-10369*
599-10370	2	40	200	171B-10370	171D-10370
599-10371		63	200	171B-10371	171D-10371
599-10372*		100	200	171B-10372*	171D-10372*



Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.
NOTE: Maximum operating differential pressure = 60 PSI for 1/2" to 1-1/2", 50 PSI for 2"

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators



- GDE/GLB Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Stainless-steel ball and stem

Mixing/Diverting
1/2 to 2"

3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off PSI	Non-Spring Return Actuator — GDE and GLB Series — Floating: GDE131.1P (171A) and GLB131.1P (171B) Conduit Adapter & 3-foot (.9m) Wires	Non-Spring Return Actuator — GDE and GLB Series — 0-10 Vdc: GDE161.1P (171C) and GLB161.1P (171D) Conduit Adapter & 3-foot (.9m) Wires
				Chrome-Plated Brass Ball and Brass Stem	
599-10350	1/2	0.4	200	171A-10350	171C-10350
599-10351		0.63	200	171A-10351	171C-10351
599-10352		1.0	200	171A-10352	171C-10352
599-10353		1.6	200	171A-10353	171C-10353
599-10354		2.5	200	171A-10354	171C-10354
599-10355		4	200	171A-10355	171C-10355
599-10356		6.3	200	171A-10356	171C-10356
599-10357*		10	200	171A-10357*	171C-10357*
599-10358	3/4	6.3	200	171A-10358	171C-10358
599-10359		10	200	171A-10359	171C-10359
599-10360*		16	200	171A-10360*	171C-10360*
599-10361	1	10	200	171A-10361	171C-10361
599-10362		16	200	171A-10362	171C-10362
599-10363*		25	200	171A-10363*	171C-10363*
599-10364	1-1/4	16	200	171A-10364	171C-10364
599-10365		25	200	171A-10365	171C-10365
599-10366*		40	200	171A-10366*	171C-10366*
599-10367	1-1/2	25	200	171B-10367	171D-10367
599-10368		40	200	171B-10368	171D-10368
599-10369*		63	200	171B-10369*	171D-10369*
599-10370	2	40	200	171B-10370	171D-10370
599-10371		63	200	171B-10371	171D-10371
599-10372*		100	200	171B-10372*	171D-10372*



Table Notes:
Part numbers in red indicate complete assemblies.
*Denotes a full-port valve with no flow optimizer insert.
NOTE: Maximum operating differential pressure = 60 PSI for 1/2" to 1-1/2", 50 PSI for 2"

Siemens offers a 5-year warranty on valves and actuators.

Six-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators



- GDE Damper Actuator Series
- 1/2-Inch Pipe Connections
- Chrome-plated brass balls and stainless-steel stem

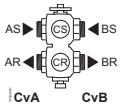
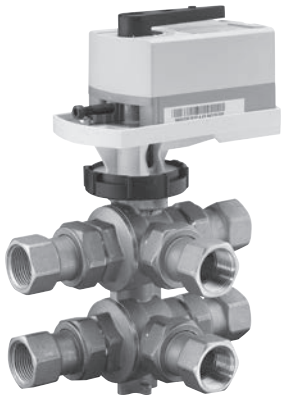
Changeover *1/2"* 				**Non-Spring Return Actuator** **GDE Series** **0-10 Vdc**
6-Way Valve Assembly	**Valve Size in.**	**Source A Cv Value**	**Source B Cv Value**	 GDE161.1P Conduit Adapter & 3-foot (.9m) Wires
				Chrome-Plated Brass Balls and Stainless-steel Stem
	1/2	0.3	0.3	171C-10600-0.3-0.3
		0.3	0.5	171C-10600-0.3-0.5
		0.3	0.8	171C-10600-0.3-0.8
		0.3	1.2	171C-10600-0.3-1.2
		0.3	1.5	171C-10600-0.3-1.5
		0.3	1.9	171C-10600-0.3-1.9
		0.5	0.3	171C-10600-0.5-0.3
		0.5	0.5	171C-10600-0.5-0.5
		0.5	0.8	171C-10600-0.5-0.8
		0.5	1.2	171C-10600-0.5-1.2
		0.5	1.5	171C-10600-0.5-1.5
		0.5	1.9	171C-10600-0.5-1.9
		0.8	0.3	171C-10600-0.8-0.3
		0.8	0.5	171C-10600-0.8-0.5
		0.8	0.8	171C-10600-0.8-0.8
		0.8	1.2	171C-10600-0.8-1.2
		0.8	1.5	171C-10600-0.8-1.5
		0.8	1.9	171C-10600-0.8-1.9
		1.2	0.3	171C-10600-1.2-0.3
		1.2	0.5	171C-10600-1.2-0.5
		1.2	0.8	171C-10600-1.2-0.8
		1.2	1.2	171C-10600-1.2-1.2
		1.2	1.5	171C-10600-1.2-1.5
		1.2	1.9	171C-10600-1.2-1.9
		1.5	0.3	171C-10600-1.5-0.3
		1.5	0.5	171C-10600-1.5-0.5
		1.5	0.8	171C-10600-1.5-0.8
		1.5	1.2	171C-10600-1.5-1.2
		1.5	1.5	171C-10600-1.5-1.5
		1.5	1.9	171C-10600-1.5-1.9
		1.9	0.3	171C-10600-1.9-0.3
		1.9	0.5	171C-10600-1.9-0.5
		1.9	0.8	171C-10600-1.9-0.8
		1.9	1.2	171C-10600-1.9-1.2
		1.9	1.5	171C-10600-1.9-1.5
		1.9	1.9	171C-10600-1.9-1.9

Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Six-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators



- GDE Damper Actuator Series
- 3/4-Inch Pipe Connections
- Chrome-plated brass balls and stainless-steel stem

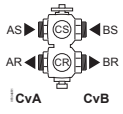
Changeover *3/4"* 				**Non-Spring Return Actuator** **GDE Series** **0-10 Vdc**
6-Way Valve Assembly	**Valve Size in.**	**Source A Cv Value**	**Source B Cv Value**	 GDE161.1P Conduit Adapter & 3-foot (.9m) Wires
				Chrome-Plated Brass Balls and Stainless-steel Stem
	3/4	0.8	0.8	171C-10601-0.8-0.8
		0.8	1.2	171C-10601-0.8-1.2
		0.8	1.5	171C-10601-0.8-1.5
		0.8	1.9	171C-10601-0.8-1.9
		0.8	2.9	171C-10601-0.8-2.9
		0.8	4.0	171C-10601-0.8-4.0
		0.8	4.7	171C-10601-0.8-4.7
		1.2	0.8	171C-10601-1.2-0.8
		1.2	1.2	171C-10601-1.2-1.2
		1.2	1.5	171C-10601-1.2-1.5
		1.2	1.9	171C-10601-1.2-1.9
		1.2	2.9	171C-10601-1.2-2.9
		1.2	4.0	171C-10601-1.2-4.0
		1.2	4.7	171C-10601-1.2-4.7
		1.5	0.8	171C-10601-1.5-0.8
		1.5	1.2	171C-10601-1.5-1.2
		1.5	1.5	171C-10601-1.5-1.5
		1.5	1.9	171C-10601-1.5-1.9
		1.5	2.9	171C-10601-1.5-2.9
		1.5	4.0	171C-10601-1.5-4.0
		1.5	4.7	171C-10601-1.5-4.7
		1.9	0.8	171C-10601-1.9-0.8
		1.9	1.2	171C-10601-1.9-1.2
		1.9	1.5	171C-10601-1.9-1.5
		1.9	1.9	171C-10601-1.9-1.9
		1.9	2.9	171C-10601-1.9-2.9
		1.9	4.0	171C-10601-1.9-4.0
		1.9	4.7	171C-10601-1.9-4.7
		2.9	0.8	171C-10601-2.9-0.8
		2.9	1.2	171C-10601-2.9-1.2
		2.9	1.5	171C-10601-2.9-1.5
		2.9	1.9	171C-10601-2.9-1.9
		2.9	2.9	171C-10601-2.9-2.9
		2.9	4.0	171C-10601-2.9-4.0
		2.9	4.7	171C-10601-2.9-4.7

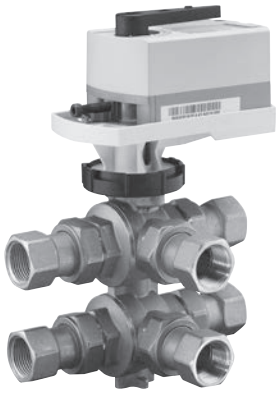
Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Six-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GDE Damper Actuator Series
- 3/4-Inch Pipe Connections
- Chrome-plated brass balls and stainless-steel stem



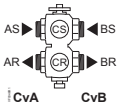
Changeover 3/4"			Non-Spring Return Actuator
			GDE Series
			0-10 Vdc
6-Way Valve Assembly	Valve Size in.	Source A Cv Value	Source B Cv Value	 GDE161.1P Conduit Adapter & 3-foot (.9m) Wires
				Chrome-Plated Brass Balls and Stainless-steel Stem
	3/4	4.0	0.8	171C-10601-4.0-0.8
		4.0	1.2	171C-10601-4.0-1.2
		4.0	1.5	171C-10601-4.0-1.5
		4.0	1.9	171C-10601-4.0-1.9
		4.0	2.9	171C-10601-4.0-2.9
		4.0	4.0	171C-10601-4.0-4.0
		4.0	4.7	171C-10601-4.0-4.7
		4.7	0.8	171C-10601-4.7-0.8
		4.7	1.2	171C-10601-4.7-1.2
		4.7	1.5	171C-10601-4.7-1.5
		4.7	1.9	171C-10601-4.7-1.9
		4.7	2.9	171C-10601-4.7-2.9
		4.7	4.0	171C-10601-4.7-4.0
		4.7	4.7	171C-10601-4.7-4.7

Table Notes:

Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Six-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GDE Damper Actuator Series
- 1-Inch Pipe Connections
- Chrome-plated brass balls and stainless-steel stem



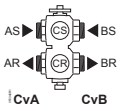
Changeover *1"* 				**Non-Spring Return Actuator** **GDE Series** **0-10 Vdc**
6-Way Valve Assembly	**Valve Size in.**	**Source A Cv Value**	**Source B Cv Value**	 GDE161.1P Conduit Adapter & 3-foot (.9m) Wires
				**Chrome-Plated Brass Balls and Stainless-steel Stem**
	1	1.9	1.9	171C-10602-1.9-1.9
		1.9	2.9	171C-10602-1.9-2.9
		1.9	4.0	171C-10602-1.9-4.0
		1.9	4.7	171C-10602-1.9-4.7
		2.9	1.9	171C-10602-2.9-1.9
		2.9	2.9	171C-10602-2.9-2.9
		2.9	4.0	171C-10602-2.9-4.0
		2.9	4.7	171C-10602-2.9-4.7
		4.0	1.9	171C-10602-4.0-1.9
		4.0	2.9	171C-10602-4.0-2.9
		4.0	4.0	171C-10602-4.0-4.0
		4.0	4.7	171C-10602-4.0-4.7
		4.7	1.9	171C-10602-4.7-1.9
		4.7	2.9	171C-10602-4.7-2.9
		4.7	4.0	171C-10602-4.7-4.0
		4.7	4.7	171C-10602-4.7-4.7

Table Notes:
Part numbers in red indicate complete assemblies.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way Magnetic Valve Assemblies



MX… Control Valves for Hot and Chilled Water – 2-Way (with blanking disc/flange) or 3-Way

Valve Size (in.)	Cv	Close-off PSI	Part No.
NPT Unions			
1/2	0.7	44	**MXG461.15-0.6U**
1/2	1.7	44	**MXG461.15-1.5U**
1/2	3.5	44	**MXG461.15-3.0U**
3/4	5.9	44	**MXG461.20-5.0U**
1	9.4	44	**MXG461.25-8.0U**
1-1/4	14.0	44	**MXG461.32-12U**
1-1/2	23.4	44	**MXG461.40-20U**
2	35.1	44	**MXG461.50-30U**
Flange			
2-1/2	58.2	44	**MXF461.65-50U***

Table Notes:
*No blanking flange.



M3P... FY Control Valves for Hot and Chilled Water with ZM Module – 2-Way or 3-Way

Description	Cv	Close-off PSI	Part No.
3" 3-Way	93	44	**M3P80FY**
4" 3-Way	152	29	**M3P100FY**

Overall Ordering Note:
The valve body and magnetic actuator assemblies cannot be separated.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way Magnetic Valve Assemblies



MVF461H Modulating Control Valves for Hot Water and Steam – 2-Way

Valve Size (in.)	Cv	Close-off PSI	Part No.
1/2	0.7	145	**MVF461H15-0.6**
1/2	1.7	145	**MVF461H15-1.5**
1/2	3.5	145	**MVF461H15-3**
3/4	5.9	145	**MVF461H20-5**
1	9.4	145	**MVF461H25-8**
1-1/4	14.0	145	**MVF461H32-12**
1-1/2	23.3	145	**MVF461H40-20**
2	35.0	145	**MVF461H50-30**



MXG461B Modulating Control Valves for Domestic Water – 3-Way

Valve Size (in.)	Cv	Close-off PSI	Part No.
1/2	0.7	145	**MXG461B15-0.6**
1/2	1.8	145	**MXG461B15-1.5**
1/2	3.5	145	**MXG461B15-3**
3/4	5.8	116	**MXG461B20-5**
1	9.3	102	**MXG461B25-8**
1-1/4	14	87	**MXG461B32-12**
1-1/2	23	87	**MXG461B40-20**
2	35	87	**MXG461B50-30**

Overall Ordering Note:
The valve body and magnetic actuator assemblies cannot be separated.

Siemens offers a 5-year warranty on valves and actuators.

Two-Way Refrigerant Valve Assemblies



MVL661… Modulating Refrigerant Valves for CO_2 and all Commonly Used Safety Refrigerants – with Magnetic Actuators

Valve Size in.	Cv	Δpmax PSI	Part No.
1/2	0.46	363	**MVL661.15-0.4**
1/2	1.2	363	**MVL661.15-1.0**
3/4	2.9	363	**MVL661.20-2.5**
1	7.3	363	**MVL661.25-6.3**
1-1/4	11.5	232	**MVL661.32-10 (S55320-M105)**
1-1/4	13.9	29	**MVL661.32-12**

Table Notes:

* MVL661.32-12.0 is only approved for suction throttle applications

Cv Nominal flow rate, in gpm, of refrigerant through the fully open valve (H100) at a differential pressure of 1 PSI.

Δpmax Maximum permissible differential pressure across the control path of the valve, valid for the entire actuating range of the motorized valve.



MVS661…N Modulating Refrigerant Valves for Ammonia, CO_2 and all Commonly Used Safety Refrigerants – with Magnetic Actuators

Valve Size in.	Cv	Δpmax PSI	Part No.
1	0.18	363	**MVS661.25-016N**
1	0.46	363	**MVS661.25-0.4N**
1	1.16	363	**MVS661.25-1.0N**
1	2.89	363	**MVS661.25-2.5N**
1	7.28	363	**MVS661.25-6.3N**

Table Notes:

Cv Nominal flow rate, in gpm, of refrigerant through the fully open valve (H100) at a differential pressure of 1 PSI.

Δpmax Maximum permissible differential pressure across the control path of the valve, valid for the entire actuating range of the motorized valve.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way Refrigerant Valve Assemblies



M3FB… LX Modulating Control Valve for Hot Gas Control – with Magnetic Actuators

Line Size in.	Cv 1 → 3	ΔPmax 1 → 3 PSI	Part No.
1/2	0.7	319	**M3FB15LX06/A**
1/2	1.8	319	**M3FB15LX15/A**
1/2	3.5	319	**M3FB15LX/A**
3/4	5.9	261	**M3FB20LX/A**
1	9.4	174	**M3FB25LX/A**
1-1/4	14.0	116	**M3FB32LX**

Table Notes:

Cv Flow rate tolerance +/-10%.

Δpmax Maximum permissible differential pressure across the control path of the valve, valid for the entire actuating range of the motorized valve.

Also requires ZM terminal housing.



M2FP03GX Modulating Pilot Valve – with Magnetic Actuator

For Line Sizes in.	Cv gpm	ΔPmax PSI	Part No.
2 – 5	1.3	261	**MF2FP03GX**

Table Notes:

Cv Nominal flow rate, in gpm, of cold water through the fully open valve (H_{100}) at a differential pressure of 1 PSI.

Δpmax Maximum permissible differential pressure across the control path of the valve, valid for the entire actuating range of the motorized valve.

Also requires ZM terminal housing.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way
656 Series Service Valves





2-Way Valves

Valve Size	Cv	Close-off	Spring Range	Part No.
Normally Open				
1/2" (15 mm)	0.9	95 PSI (655 kPa)	3 to 8 PSI (21 to 55 kPa)	**656-0004**
1/2" (15 mm)	2.1	95 PSI (655 kPa)	3 to 8 PSI (21 to 55 kPa)	**656-0002**
Normally Closed				
1/2" (15 mm)	2.1	140 PSI (965 kPa)	10 to 15 PSI (69 to 103 kPa)	**656-0012**

Table Notes:
End connections are S.A.E. flared.



2-Way Angle Union Valves

Valve Size	Cv	Close-off	Spring Range	Part No.
Normally Open				
1/2" (15 mm)	2.1	95 PSI (655 kPa)	3 to 8 PSI (21 to 55 kPa)	**656-0017**
1/2" (15 mm)	2.1	95 PSI (655 kPa)	5 to 10 PSI (34 to 69 kPa)	**656-0019**
3/4" (20 mm)	4.6	95 PSI (655 kPa)	3 to 8 PSI (21 to 55 kPa)	**656-0018**
3/4" (20 mm)	4.6	95 PSI (655 kPa)	5 to 10 PSI (34 to 69 kPa)	**656-0021**

Table Notes:
End connections are AFxUM.



3-Way Mixing Valves

Valve Size	Cv	Close-off	Spring Range	Part No.
1/2" (15 mm)	2.5	95 PSI (655 kPa)	10 to 15 lb. (69 to 103 kPa)	**656-0009**
1/2" (15 mm)	2.5	95 PSI (655 kPa)	3 to 8 lb. (21 to 55 kPa)	**656-0010**
1/2" (15 mm)	1.5	95 PSI (655 kPa)	3 to 8 lb. (21 to 55 kPa)	**656-0011**

Table Notes:
End connections are S.A.E. flared.

Siemens offers a 5-year warranty on valves and actuators.

Two- & Three-Way
658 Series Service Valves



2-Way Angle Union Valves

Valve Size	Cv	Close-off	Spring Range	Part No.
Normally Open				
1" (25 mm)	10	100 PSI (689 kPa)	2 to 6 PSI (14 to 41 kPa)	**658-0012**
1-1/4" (32 mm)	16	60 PSI (413 kPa)	2 to 6 PSI (14 to 41 kPa)	**658-0014**

Table Notes:
End connections are AFxUM.



3-Way Sequence and Changeover Valves

Valve Size	Cv	Close-off	Part No.
Sequence			
1/2" (15 mm)	1.5	50 PSI (344 kPa)	**658-0050**
1/2" (15 mm)	2.5	50 PSI (344 kPa)	**658-0051**
Changeover			
1/2" (15 mm)	2.5	10 PSI (68 kPa)	**658-0052**

Table Notes:
End connections are S.A.E. flared.

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Siemens offers a 5-year warranty on valves and actuators.



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SIEMENS

Two-Way Butterfly Valves

24V Commercial Actuator Assemblies

Two-Way Full Cut Valves with 24V Commercial Damper Actuators Assemblies

2-Way, Full Cut Valve Size (in.)	Actuator Part Number	Normally Open Assembly Part No.	Normally Closed Assembly Part No.
	2-Position, SR with Switches		
2	GCA126.3U	B202FO-GCA126.3U	B202FC-GCA126.3U
2-1/2		B225FO-GCA126.3U	B225FC-GCA126.3U
3	GCA126.3U(-D)	B203FO-GCA126.3U	B203FC-GCA126.3U
	0 to 10Vdc, NSR Without Switches		
2	GIB161.3U	B202FO-GIB161.3U	B202FC-GIB161.3U
2-1/2		B225FO-GIB161.3U	B225FC-GIB161.3U
3		B203FO-GIB161.3U	B203FC-GIB161.3U
4	GIB161.3U(-D)	B204FO-GIB161.3U	B204FC-GIB161.3U
5		B205FO-GIB161.3U	B205FC-GIB161.3U
6		B206FO-GIB161.3U	B206FC-GIB161.3U
	Floating, NSR Without Switches		
2	GIB131.3U	B202FO-GIB131.3U	B202FC-GIB131.3U
2-1/2		B225FO-GIB131.3U	B225FC-GIB131.3U
3		B203FO-GIB131.3U	B203FC-GIB131.3U
4	GIB131.3U(-D)	B204FO-GIB131.3U	B204FC-GIB131.3U
5		B205FO-GIB131.3U	B205FC-GIB131.3U
6		B206FO-GIB131.3U	B206FC-GIB131.3U
	0 to 10 Vdc SR Without Switches		
2	GCA161.3U	B202FO-GCA161.3U	B202FC-GCA161.3U
2-1/2		B225FO-GCA161.3U	B225FC-GCA161.3U
3	GCA126.3U(-D)	B203FO-GCA161.3U	B203FC-GCA161.3U
	2-Position, SR Without Switches		
2	GCA121.3U	B202FO-GCA121.3U	B202FC-GCA121.3U
2-1/2		B225FO-GCA121.3U	B225FC-GCA121.3U
3		B203FOSGCA121.3U	B203FC-GCA121.3U

Two-Way Under Cut Valves with 24V Commercial Damper Actuators Assemblies

2-Way, Under Cut Valve Size (in.)	Actuator Part Number	Normally Open Assembly Part No.	Normally Closed Assembly Part No.
	2-Position, SR with Switches		
4	GCA126.3U(-D)	B204UO-GCA126.3U	B204UC-GCA126.3U
	0 to 10Vdc, NSR Without Switches		
4	GIB161.3U	B204UO-GIB161.3U	B204UC-GIB161.3U
5	GIB161.3U(-D)	B205UO-GIB161.3U	B205UC-GIB161.3U
6		B206UO-GIB161.3U	B206UC-GIB161.3U
8		B208UO-GIB161.3U	B208UC-GIB161.3U
	Floating, NSR Without Switches		
4	GIB161.3U	B204UO-GIB131.3U	B204UC-GIB131.3U
5	GIB161.3U(-D)	B205UO-GIB131.3U	B205UC-GIB131.3U
6		B206UO-GIB131.3U	B206UC-GIB131.3U
8		B208UO-GIB131.3U	B208UC-GIB131.3U
	0 to 10 Vdc SR Without Switches		
4	GCA161.3U(-D)	B204UO-GCA161.3U	B204UC-GCA161.3U
	2-Position, SR Without Switches		
4	GCA121.3U(-D)	B204UO-GCA121.3U	B204UC-GCA121.3U

(-D) denotes dual actuators

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Butterfly Valves

24V Commercial Actuator Assemblies

Three-Way Full Cut Valves with 24V Commercial Damper Actuators Assemblies

3-Way, Full Cut Valve Size (in.)	Actuator Part Number	Assembly Part Number
	2-Position, SR with Switches	
2	GCA126.3U	B302Fx-GCA126.3U
2-1/2	GCA126.3U(-D)	B325Fx-GCA126.3U
3		B303Fx-GCA126.3U
	0 to 10Vdc, NSR Without Switches	
2	GIB161.3U	B302Fx-GIB161.3U
2-1/2		B325Fx-GIB161.3U
3		B303Fx-GIB161.3U
4	GIB161.3U(-D)	B304Fx-GIB161.3U
5		B305Fx-GIB161.3U
	Floating, NSR Without Switches	
2	GIB131.3U(-D)	B302Fx-GIB131.3U
2-1/2		B325Fx-GIB131.3U
3		B303Fx-GIB131.3U
4	GIB131.3U(-D)	B304Fx-GIB131.3U
5		B305Fx-GIB131.3U
	0 to 10 Vdc SR Without Switches	
2	GCA161.3U	B302Fx-GCA161.3U
2-1/2	GCA161.3U(-D)	B325Fx-GCA161.3U
3		B303Fx-GCA161.3U

(-D) denotes dual actuators
x= A, B, C or D (See Figure 1.)

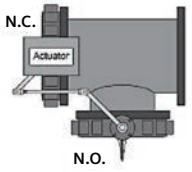
Three-Way Under Cut Valves with 24V Commercial Damper Actuators Assemblies

3-Way, Under Cut Valve Size (in.)	Actuator Part Number	Assembly Part Number
	2-Position, SR with Switches	
4	GCA126.3U	B304Ux-GCA126.3U
	0 to 10Vdc, NSR Without Switches	
4	GIB161.3U	B304Ux-GIB161.3U
5	GIB161.3U-D	B305Ux-GIB161.3U
6		B306Ux-GIB161.3U
	Floating, NSR Without Switches	
4	GIB131.3U	B304Ux-GIB131.3U
5	GIB131.3U-D	B305Ux-GIB131.3U
6		B306Ux-GIB131.3U
	0 to 10 Vdc SR Without Switches	
4	GCA161.3U	B304Ux-GCA161.3U
	2-Position, SR Without Switches	
4	GCA121.3U(-D)	B304Ux-GCA121.3U

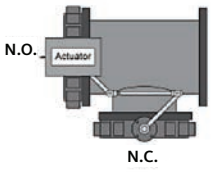
(-D) denotes dual actuators

Three-Way Assembly Configurations

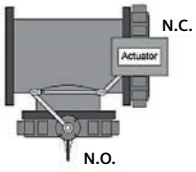
Configuration A



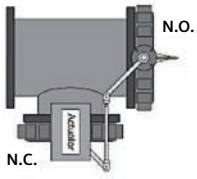
Configuration B



Configuration C



Configuration D



Siemens offers a 5-year warranty on valves and actuators.

Two-Way Butterfly Valves

24V Industrial Actuator Assemblies

Two-Way, Full Cut, 24V with Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
2-Way, Full Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
2	A166.530	B202Fx-HA166.530	B202Fx-SA166.530	A126.530	B202Fx-HA126.530	B202Fx-SA126.530
2.5		B225Fx-HA166.530	B225Fx-SA166.530		B225Fx-HA126.530	B225Fx-SA126.530
3		B203Fx-HA166.530	B203Fx-SA166.530		B203Fx-HA126.530	B203Fx-SA126.530
4		B204Fx-HA166.530	B204Fx-SA166.530		B204Fx-HA126.530	B204Fx-SA126.530
5	A166.530	—	B205Fx-SA166.530	A126.530	—	B205Fx-SA126.530
	A166.2K	B205Fx-HA166.2K	—	A126.2K	B205Fx-HA126.2K	—
6	A166.2K	B206Fx-HA166.2K	—	A126.2K	B206Fx-HA126.2K	—
	A166.600	—	B206Fx-SA166.600	A126.600	—	B206Fx-SA126.600
8	A166.2K	B208Fx-HA166.2K	B208Fx-SA166.2K	A126.2K	B208Fx-HA126.2K	B208Fx-SA126.2K
10	A166.5K	B210Fx-HA166.5K	B210Fx-SA166.5K	A126.5K	B210Fx-HA126.5K	B210Fx-SA126.5K

x = O (Normally Open) or C (Normally Closed)

Two-Way, Under Cut, 24V with Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
2-Way, Under Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
4	A166.530	B204Ux-HA166.530	B204Ux-SA166.530	A126.530	B204Ux-HA126.530	B204Ux-SA126.530
5		B205Ux-HA166.530	B205Ux-SA166.530		B205Ux-HA126.530	B205Ux-SA126.530
6		—	B206Ux-SA166.530		—	B206Ux-SA126.530
	A166.600	B206Ux-HA166.600	—	A126.600	B206Ux-HA126.600	—
8	A166.2K	B208Ux-HA166.2K	B208Ux-SA166.2K	A126.2K	B208Ux-HA126.2K	B208Ux-SA126.2K
10		B210Ux-HA166.2K	B210Ux-SA166.2K		B210Ux-HA126.2K	B210Ux-SA126.2K
12	A166.5K	B212Ux-HA166.5K	B212Ux-SA166.5K	A126.5K	B212Ux-HA126.5K	B212Ux-SA126.5K
14		B214Ux-HA166.5K	B214Ux-SA166.5K		B214Ux-HA126.5K	B214Ux-SA126.5K

x = O (Normally Open) or C (Normally Closed)

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Butterfly Valves

24V Industrial Actuator Assemblies

Three-Way, Full Cut Valves with 24V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
3-Way, Full Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
2	A166.530	B302Fx-HA166.530	B302Fx-SA166.530	A126.530	B302Fx-HA126.530	B302Fx-SA126.530
2.5		B325Fx-HA166.530	B325Fx-SA166.530		B325Fx-HA126.530	B325Fx-SA126.530
3		B303Fx-HA166.530	B303Fx-SA166.530		B303Fx-HA126.530	B303Fx-SA126.530
4		—	B304Fx-SA166.530		—	B304Fx-SA126.530
4	A166.600	B304Fx-HA166.600	—	A126.600	B304Fx-HA126.600	—
5		B305Fx-HA166.60	B305Fx-SA166.600		B305Fx-HA126.600	B305Fx-SA126.600
6		B306Fx-HA166.600	B306Fx-SA166.2K		B306Fx-HA126.600	B306Fx-SA126.2K
8	A166.2K	B308Fx-HA166.2K	B308Fx-SA166.2K	A126.2K	B308Fx-HA126.2K	B308Fx-SA126.2K
10	A166.5K	B310Fx-HA166.5K	B310Fx-SA166.5K	A126.5K	B310Fx-HA126.5K	B310Fx-SA126.5K

x= A, B, C or D (See Figure 1.)

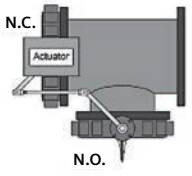
Three-Way Under Cut Valves with 24V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
3-Way, Under Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
4	A166.530	B304Ux-HA166.530	B204Ux-SA166.530	A126.530	B304Ux-HA126.530	B304Ux-SA126.530
5		—	B205Ux-SA166.530		—	B305Ux-SA126.530
5	A166.600	B305Ux-HA166.600	—	A126.600	B305Ux-HA126.600	—
6	A166.2K	B306Ux-HA166.2K	B306Ux-SA166.2K	A126.2K	B306Ux-HA126.2K	B306Ux-SA126.2K
8		B308Ux-HA166.2K	B308Ux-SA166.2K		B308Ux-HA126.2K	B308Ux-SA126.2K
10		B310Ux-HA166.2K	B308Ux-SA166.2K		B310Ux-HA126.2K	B310Ux-SA126.2K
12	A166.5K	B312Ux-HA166.5K	B312Ux-SA166.5K	A126.5K	B312Ux-HA126.5K	B312Ux-SA126.5K
14		B314Ux-HA166.5K	B314Ux-SA166.5K		B314Ux-HA126.5K	B314Ux-SA126.5K

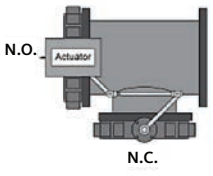
x= A, B, C or D (See Figure 1.)

Three-Way Assembly Configurations

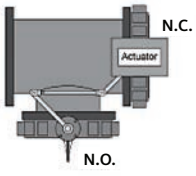
Configuration A



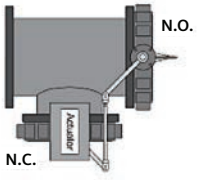
Configuration B



Configuration C



Configuration D



Siemens offers a 5-year warranty on valves and actuators.

Two-Way Butterfly Valves

120V Industrial Actuator Assemblies

Two-Way Full Cut Valves with 120V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
2-Way, Full Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
2	A266.530	B202Fx-HA266.530	B202Fx-SA266.530	A226.530	B202Fx-HA226.530	B202Fx-SA226.530
2.5		B225Fx-HA266.530	B225Fx-SA266.530		B225Fx-HA226.530	B225Fx-SA226.530
3		B203Fx-HA266.530	B203Fx-SA266.530		B203Fx-HA226.530	B203Fx-SA226.530
4		B204Fx-HA266.530	B204Fx-SA266.530		B204Fx-HA226.530	B204Fx-SA226.530
5		—	B205Fx-SA266.530		—	B205Fx-SA226.530
	A266.1K	B205Fx-HA266.1K	—	A226.1K	B205Fx-HA226.1K	—
6	A266.1K	B206Fx-HA266.1K	—	A226.600	—	B206Fx-SA226.600
	A266.600	—	B206Fx-SA266.600	A226.1K	B206Fx-HA226.1K	—
8	A266.2K	B208Fx-HA266.2K	B208Fx-SA266.2K	A226.2K	B208Fx-HA226.2K	B208Fx-SA226.2K
10	A266.3K	—	B210Fx-SA266.3K	A226.3K	—	B210Fx-SA226.3K
	A266.5K	B210Fx-HA266.5K	—	A226.5K	B210Fx-HA226.5K	—
12	A266.5K	—	B212Fx-SA266.5K	A226.5K	—	B212Fx-SA226.5K
	A266.6K	B212Fx-HA266.6K	—	A226.6K	B212Fx-HA226.6K	—
14	A266.6K	—	B214Fx-SA266.6K	A226.6K	—	B214Fx-SA226.6K
	A266.13K	B214Fx-HA266.13K	—	A226.13K	B214Fx-HA226.13K	—
16	A266.13K	B216Fx-HA266.13K	B216Fx-SA266.13K	A226.13K	B216Fx-HA226.13K	B216Fx-SA226.13K
18	A266.13K	—	B218Fx-SA266.13K	A226.13K	—	B218Fx-SA226.13K
	A266.18K	B218Fx-HA266.18K	—	A226.18K	B218Fx-HA226.18K	—
20	A266.18K	—	B220Fx-SA266.18K	A226.18K	—	B220Fx-SA226.18K
	A266.21K	B220Fx-HA266.21K	—	A226.21K	B220Fx-HA226.21K	—
24	A266.21K	—	B224Fx-SA266.21K	A226.21K	—	B224Fx-SA226.21K
	A266.41K	B224Fx-HA266.41K	—	A226.41K	B224Fx-HA226.41K	—

x = O (Normally Open) or C (Normally Closed)

Two-Way Under Cut Valves with 120V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
2-Way, Under Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
4	A266.530	B204Ux-HA266.530	B204Ux-SA266.530	A226.530	B204Ux-HA226.530	B204Ux-SA226.530
5		—	B205Ux-SA266.530		—	B205Ux-SA226.530
	A266.600	B205Ux-HA266.600	—	A226.600	B205Ux-HA226.600	—
6		B206Ux-HA266.600	—		B206Ux-HA226.600	—
	A266.530	—	B206Ux-SA266.530	A226.530	—	B206Ux-SA226.530
8	A266.1K	B208Ux-HA266.1K	B208Ux-SA266.1K	A226.1K	B208Ux-HA226.1K	B208Ux-SA226.1K
10	A266.2K	B210Ux-HA266.2K	B210Ux-SA266.2K	A226.2K	B210Ux-HA226.2K	B210Ux-SA226.2K
12	A266.3K	B212Ux-HA266.3K	B212Ux-SA266.3K	A226.3K	B212Ux-HA226.3K	B212Ux-SA226.3K
14	A266.5K	B214Ux-HA266.5K	B214Ux-SA266.5K	A226.5K	B214Ux-HA226.5K	B214Ux-SA226.5K
16	A266.6K	—	B216Ux-SA266.6K	A226.6K	—	B216Ux-SA226.6K
	A266.13K	B216Ux-HA266.13K	—	A226.13K	B216Ux-HA226.13K	—
18	A266.6K	—	B218Ux-SA266.6K	A226.6K	—	B218Ux-SA226.6K
	A266.13K	B218Ux-HA266.13K	—	A226.13K	B218Ux-HA226.13K	—
20	A266.13K	B220Ux-HA266.13K	B220Ux-SA266.13K	A226.13K	B220Ux-HA226.13K	B220Ux-SA226.13K
24	A266.18K	B224Ux-HA266.18K	B224Ux-SA266.18K	A226.18K	B224Ux-HA226.18K	B224Ux-SA226.18K

X = C (Normally Closed) or O (Normally Open

Siemens offers a 5-year warranty on valves and actuators.

Three-Way Butterfly Valves

120V Industrial Actuator Assemblies

Three-Way Full Cut Valves with 120V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
3-Way, Full Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
2	A266.530	B302Fx-HA266.530	B302Fx-SA266.530	A226.530	B302Fx-HA226.530	B302Fx-SA226.530
2.5		B325Fx-HA266.530	B325Fx-SA266.530		B325Fx-HA226.530	B325Fx-SA226.530
3		B303Fx-HA266.530	B303Fx-SA266.530		B303Fx-HA226.530	B303Fx-SA226.530
4		—	B304Fx-SA266.530		—	B304Fx-SA226.530
	A266.600	B304Fx-HA266.600	—	A226.600	B304Fx-HA226.600	—
5		—	B305Fx-SA266.600		—	B305Fx-SA226.600
	A266.1K	B305Hx-HA266.1K	—	A226.1K	B305Fx-HA226.1K	—
6	A266.2K	B306Fx-HA266.2K	B306Fx-SA266.2K		—	B306Fx-SA226.1K
				A226.2K	B306Fx-HA226.2K	—
8	A266.2K	B308Fx-HA266.2K	B308Fx-SA266.2K		B308Fx-HA226.2K	B308Fx-SA226.2K
10	A266.5K	B310Fx-HA266.5K	B310Fx-SA266.5K	A226.5K	B310Fx-HA226.5K	B310Fx-SA226.5K
12	A266.6K	—	B312Fx-SA266.6K	A226.6K	—	B312Fx-SA226.6K
	A266.13K	B312Fx-HA266.13K	—	A226.13K	B312Fx-HA226.13K	—
14	A266.13K	B314Fx-HA266.13K	B314Fx-SA266.13K	A226.13K	B314Fx-HA226.13K	B314Fx-SA226.13K
16	A266.13K	B316Fx-HA266.13K	B316Fx-SA266.13K	A226.13K	B316Fx-HA226.13K	B316Fx-SA226.13K
18	A266.18K	B318Fx-HA266.18K	B318Fx-SA266.18K	A226.18K	B318Fx-HA226.18K	B318Fx-SA226.18K
20	A266.41K	B320Fx-HA266.41K	B320Fx-SA266.41K	A226.41K	—	B320Fx-SA226.21K
					B320Fx-HA226.41K	—
24	A266.41K	B324Fx-HA266.41K	B324Fx-SA266.41K	A226.41K	B324Fx-HA226.41K	B324Fx-SA226.41K

x= A, B, C or D (See Figure 1.)

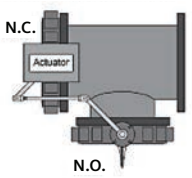
Three-Way Under Cut Valves with 120V Industrial Actuators Assemblies

Valve Size (in.).	0 to 10V/4 to 20 mA			Two-Position		
3-Way, Under Cut	Actuator Part No.	Assembly Part No.		Actuator Part No.	Assembly Part No.	
		High Temp	Standard Temp		High Temp	Standard Temp
4	A266.530	B304Ux-HA266.530	B304Ux-SA266.530	A266.530	B304Ux-HA226.530	B304Ux-SA226.530
5		—	B305Ux-SA266.530		—	B305Ux-SA226.530
	A266.600	B305Ux-HA266.600	—	A266.600	B305Ux-HA226.600	—
6	A266.1K	B306Ux-HA266.1K	B306Ux-SA266.1K	A266.1K	B306Ux-HA226.1K	B306Ux-SA226.1K
8	A266.1K	B308Ux-HA266.1K	B308Ux-SA266.1K	A266.1K	B308Ux-HA226.1K	B308Ux-SA226.1K
10	A266.2K	B310Ux-HA266.2K	B310Ux-SA266.2K	A266.2K	B310Ux-HA226.2K	B310Ux-SA226.2K
12	A266.5K	B312Ux-HA266.5K	B312Ux-SA266.5K	A266.5K	—	B312Ux-SA226.3K
					B312Ux-HA226.5K	—
14	A266.5K	B314Ux-HA266.5K	B314Ux-SA266.5K	A266.5K	B314Ux-HA226.5K	B314Ux-SA226.5K
16	A266.13K	B316Ux-HA266.13K	B316Ux-SA266.13K	A266.13K	B316Ux-HA226.13K	B316Ux-SA226.13K
18		B318Ux-HA266.13K	B318Ux-SA266.13K		B318Ux-HA226.13K	B318Ux-SA226.13K
20		B320Ux-HA266.13K	B320Ux-SA266.13K		B320Ux-HA226.13K	B320Ux-SA226.13K
24	A266.18K	B324Ux-HA266.18K	B324Ux-SA266.18K	A266.18K	B324Ux-HA226.18K	B324Ux-SA226.18K

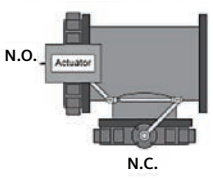
x= A, B, C or D (See Figure 1.)

Three-Way Assembly Configurations

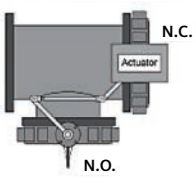
Configuration A



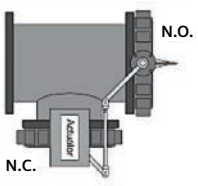
Configuration B



Configuration C



Configuration D



Siemens offers a 5-year warranty on valves and actuators.