

API 602 GLOBE VALVES TH & SW, CLASS 1500

Design Characteristics

- API 602 & ASME B16.34
- Bolted or Welded Bonnet
- Tapered loose disc
- Stem with ACME Threaded (OS&Y)
- Bolted Gland Bushing
- Standard or Full Port
- Threaded, Socket Weld or Threaded x Socket Weld
- Spiral Wound Gasket
- Integral Seat Ring

PORT	CLASS	CATALOG FIGURE No.	ENDS TYPES
Standard	1500 Bolted Bonnet	5521S	Threaded
		5521SW	Socket Weld
		5521SSW	Threaded X Socket Weld
Full	1500 Bolted Bonnet	5538S	Threaded
		5538SW	Socket Weld
		5538SSW	Threaded X Socket Weld
Standard	1500 Welded Bonnet	5537S	Threaded
		5537SW	Socket Weld
		5537SSW	Threaded X Socket Weld
Full	1500 Welded Bonnet	5539S	Threaded
		5539SW	Socket Weld
		5539SSW	Threaded X Socket Weld

Dimensions and Weights

Fig. 5521 Standard Port, Bolted Bonnet

Sizes	in	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	mm	6	10	13	19	25	32	38	51
A	in	3.11	3.62	3.62	4.37	4.72	5.98	6.77	8.66
	mm	79	92	92	111	120	152	172	220
B (open)	in	6.89	7.01	7.36	7.36	8.94	9.53	10.94	12.80
	mm	175	178	187	187	227	242	278	325
C	in	3.94	4.92	4.92	4.92	6.30	6.30	7.09	7.87
	mm	100	125	125	125	160	160	180	200
D	in	0.26	0.39	0.39	0.51	0.69	0.91	1.12	1.38
	mm	6.5	10.0	10.0	13.0	17.5	23.0	28.5	35.0
E	in	1.34	1.65	1.65	1.93	2.28	2.52	3.07	3.46
	mm	34	42	42	49	58	64	78	88.0
Weight	lb	6.6	6.6	7.7	8.8	13.86	17.6	27.5	42.9
	kg	3.0	3.0	3.5	4.0	6.3	8.0	12.5	19.5

Fig. 5537 Standard Port, Welded Bonnet

Sizes	in	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	mm	6	10	13	19	25	32	38	51
A	in	3.11	3.62	4.37	4.37	4.72	5.98	6.77	8.66
	mm	79	92	111	111	120	152	172	220
B (open)	in	6.22	6.22	7.36	7.36	8.94	9.53	10.94	12.80
	mm	158	158	187	187	227	242	278	325
C	in	3.94	3.94	4.92	4.92	6.30	6.30	7.09	7.87
	mm	100	100	125	125	160	160	180	200
D	in	0.39	0.51	0.51	0.51	0.69	0.91	1.12	1.38
	mm	10	13	13	13	17.5	23.0	28.5	35.0
E	in	1.34	1.57	1.65	1.93	2.28	2.52	3.07	3.46
	mm	34	40	42	49	58	64	78	88.0
Weight	lb	6.16	6.6	7.26	8.36	13.42	17.16	27.06	42.46
	kg	2.8	3.0	3.3	3.8	6.1	7.8	12.3	19.3

Fig. 5538 Full Port, Bolted Bonnet

Sizes	in	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	mm	13	19	25	32	38	51
A	in	4.37	4.72	5.98	6.77	8.66	9.84
	mm	111	120	152	172	220	250
B (open)	in	7.36	8.94	9.53	10.94	12.80	13.98
	mm	187	227	242	278	325	355
C	in	4.92	6.30	6.30	7.09	7.87	7.87
	mm	125	160	160	180	200	200
D	in	0.51	0.69	0.91	1.12	1.38	1.85
	mm	13	17.5	23.0	28.5	35.0	47.0
E	in	1.93	2.28	2.52	3.07	3.46	3.46
	mm	49	58	64	78	88	88
Weight	lb	8.8	13.86	17.6	27.5	42.9	44
	kg	4.0	6.3	8.0	12.5	19.5	20.0

Fig. 5539 Full Port, Welded Bonnet

Sizes	in	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	mm	13	19	25	32	38	51
A	in	4.37	4.72	5.98	6.77	8.66	8.66
	mm	111	120	152	172	220	220
B (open)	in	7.36	8.94	9.53	10.94	12.80	13.98
	mm	187	227	242	278	325	355
C	in	4.92	6.30	6.30	7.09	7.87	7.87
	mm	125	160	160	180	200	200
D	in	0.51	0.69	0.91	1.12	1.38	1.85
	mm	13	17.5	23.0	28.5	35.0	47.0
E	in	1.93	2.28	2.52	3.07	3.46	3.46
	mm	49	58	64	78	88	88
Weight	lb	8.58	13.86	17.38	27.28	42.68	43.78
	kg	3.9	6.3	7.9	12.4	19.4	19.9

