

API 602 GATE VALVES TH & SW, CLASS 1500

Design Characteristics

- API 602 & ASME B16.34
- Bolted or Welded Bonnet
- Solid Wedge
- Stem with ACME Threaded (OS&Y)
- Bolted Gland Bushing
- Standard or Full Port
- Threaded, Socket Weld or Threaded x Socket Weld
- Spiral Wound Gasket
- Expanded Seat Rings

PORT	CLASS	CATALOG FIGURE No.	ENDS TYPES
Standard	1500 Bolted Bonnet	1950S	Threaded
		1950SW	Socket Weld
Full	1500 Bolted Bonnet	1951S	Threaded X Socket Weld
		1951SW	Threaded X Socket Weld
Standard	1500 Welded Bonnet	1957S	Threaded
		1957SW	Socket Weld
Full	1500 Welded Bonnet	1958S	Threaded X Socket Weld
		1958SW	Threaded X Socket Weld

Dimensions and Weights

Fig. 1950 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	4.72	5.51	6.30
	mm	79	92	92	111	120	120	140	160
B (open)	in	6.89	7.01	7.13	7.13	8.58	9.33	10.79	12.56
	mm	175	178	181	181	218	237	274	319
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	0.31	0.51	0.51	0.51	0.71	0.94	1.14	1.45
	mm	8	13	13	13	18	24	29	36.8
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	6.60	7.04	7.70	8.80	13.20	15.40	23.76	34.10
	kg	3.0	3.2	3.5	4.0	6.0	7.0	10.8	15.5

Fig. 1957 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	3.62	4.37	4.72	4.72	5.51	6.30
	mm	79	92	92	111	120	120	140	160
B (open)	in	6.89	7.01	7.13	7.13	8.58	9.33	10.79	12.56
	mm	175	178	181	181	218	237	274	319
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	0.31	0.51	0.51	0.51	0.71	0.94	1.14	1.45
	mm	8	13	13	13	18	24	29	36.8
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
Weight	lb	6.16	6.6	7.26	8.14	12.54	14.74	23.1	33.44
	kg	2.8	3.0	3.3	3.7	5.7	6.7	10.5	15.2

Fig. 1951 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	4.72	5.51	6.30	9.06
	mm	111	120	120	140	160	230
B (open)	in	7.13	8.58	9.33	10.79	12.56	13.58
	mm	181	218	237	274	319	345
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	0.71	0.94	1.14	1.45	1.89
	mm	13	18	24	29	37	48
E	in	1.93	2.28	2.52	3.07	3.46	3.46
	mm	49	58	64	78	88	88
Weight	lb	9.46	13.86	16.06	24.64	34.98	36.3
	kg	4.3	6.3	7.3	11.2	15.9	16.5

Fig. 1958 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	4.72	5.51	6.30	9.06
	mm	111	120	120	140	160	230
B (open)	in	7.13	8.58	9.33	10.79	12.56	13.58
	mm	181	218	237	274	319	345
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	0.71	0.94	1.14	1.45	1.89
	mm	13	18	24	29	37	48
E	in	1.93	2.28	2.52	3.07	3.46	3.46
	mm	49	58	64	78	88	88
Weight	lb	9.24	13.64	15.84	24.42	34.76	36.08
	kg	4.2	6.2	7.2	11.1	15.8	16.4

