

API 602 GATE VALVES TH & SW, CLASS 800

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	800 Bolted Bonnet	950S	Threaded
		950SW	Socket Weld
		950SSW	Threaded X Socket Weld
Full	800 Bolted Bonnet	958S	Threaded
		958SW	Socket Weld
		958SSW	Threaded X Socket Weld
Standard	800 Welded Bonnet	957S	Threaded
		957SW	Socket Weld
		957SSW	Threaded X Socket Weld
Full	800 Welded Bonnet	959S	Threaded
		959SW	Socket Weld
		959SSW	Threaded X Socket Weld

Dimensions and Weights

Fig. 950 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	3.11	3.11	3.62	4.37	4.72	4.72	5.51
	mm	79	79	79	92	111	120	120	140
B (open)	in	5.87	5.87	6.02	6.02	7.28	8.74	9.45	10.98
	mm	149	149	153	153	185	222	240	279
C	in	3.94	3.94	3.94	3.94	4.92	6.30	6.30	7.09
	mm	100	100	100	100	125	160	160	180
D	in	0.31	0.39	0.51	0.51	0.71	1.14	1.14	1.44
	mm	8	10	13	13	18	29	29	36.5
E	in	1.34	1.34	1.34	1.57	1.93	2.52	2.52	3.07
	mm	34	34	34	40	49	64	64	78
Weight	lb	4.18	4.18	4.4	4.84	7.92	12.1	13.64	21.34
	kg	1.9	1.9	2.0	2.2	3.6	5.5	6.2	9.7

Fig. 957 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	3.11	3.11	3.62	4.37	4.72	4.72	5.51
	mm	79	79	79	92	111	120	120	140
B (open)	in	6.18	6.18	6.34	6.34	7.48	8.66	9.45	10.98
	mm	157	157	161	161	190	220	240	279
C	in	3.94	3.94	3.94	3.94	4.92	6.30	6.30	7.09
	mm	100	100	100	100	125	160	160	180
D	in	0.31	0.39	0.51	0.51	0.71	1.14	1.14	1.45
	mm	8	10	13	13	18	29	29	36.8
E	in	1.34	1.34	1.34	1.57	1.93	2.52	2.52	3.07
	mm	34	34	34	40	49	64	64	78
Weight	lb	3.74	3.74	3.96	4.4	7.48	11.66	13.2	20.9
	kg	1.7	1.7	1.8	2.0	3.4	5.3	6.0	9.5

Fig. 958 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	3.62	4.37	4.72	4.72	5.51	6.30
	mm	92	111	120	120	140	160
B (open)	in	6.02	7.28	8.74	9.45	10.98	13.11
	mm	153	185	222	240	279	333
C	in	3.94	4.92	6.30	6.30	7.09	7.87
	mm	100	125	160	160	180	200
D	in	0.51	0.71	0.94	1.14	1.45	1.89
	mm	13	18	24	29	37	48
E	in	1.57	1.93	2.28	2.4	3.07	3.23
	mm	40	49	58	61	78	82
Weight	lb	7.26	8.36	12.76	14.74	22.66	33.44
	kg	3.3	3.8	5.8	6.7	10.3	15.2

Fig. 959 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	3.62	4.37	4.72	4.72	5.51	6.30
	mm	92	111	120	120	140	160
B (open)	in	6.34	7.48	8.66	9.45	10.98	12.56
	mm	161	190	220	240	279	319
C	in	3.94	4.92	6.30	6.30	7.09	7.87
	mm	100	125	160	160	180	200
D	in	0.51	0.71	0.94	1.14	1.45	1.45
	mm	13	18	24	29	36.8	36.8
E	in	1.57	1.93	2.28	2.4	3.07	3.46
	mm	40	49	58	61	78	88
Weight	lb	7.04	8.14	12.54	14.52	22.44	33.22
	kg	3.2	3.7	5.7	6.6	10.2	15.1

