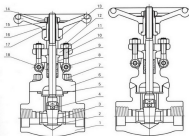


Female threaded and socket welded gate valves



Application standards

- Design and manufacture conform to API 602, B55352, ANSI B16.34;
- Connection ends conform to:
 - Socket welded dimension conform to ANSI B16.11, JB/T1751
 - Screw ends dimension conform to ANSI B1 20.1, JB/T7306
 - Butt-welded conform to ANSI B16.25, JB/T12224
 - Flanged ends conform to ANSI B16.5, B79
- Test and inspection conform to: API 598; GB/T13027; JB/T30092
- Structure features:
 - Bolted bonnet, outside screw and yoke
 - Welded bonnet, outside screw and yoke
- Materials conform to ANSI/ASTM.
- Main materials: A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51; Monel; 20 Alloy.

Carbon steel temperature-pressure rate

- CL150-285 P.S.I @ 100° F
 CL300-740 P.S.I @ 100° F
 CL600-1480 P.S.I @ 100° F
 CL800-1975 P.S.I @ 100° F
 CL1500-3705 P.S.I @ 100° F

Main part materials list

NO.	Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	Stem	410	410	304	410	304(L)	316(L)	F51
5	Gasket	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	306+ Flexible graphite	304+ Flexible graphite	316+ Flexible graphite	316+ Flexible graphite
6	Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	Pin	410	410	410	410	304	304	304
9	Gland	410	410	304	410	304	316	F51
10	Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	Stem nut	410	410	410	410	410	410	410
14	Locking nut	35	35	35	35	35	35	35
15	Nameplate	AL	AL	AL	AL	AL	AL	AL
16	Handwheel	A197	A197	A197	A197	A197	A197	A197
17	Lubricating gasket	410	410	410	410	410	410	410
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite

Female threaded and socket welded gate valves



CL800 Bolted bonnet, full port reducing port outside screw and yoke(OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Face to face	L	79	79	92	111	120	120	140	178	180
Handwheel diameter	W	100	100	100	125	160	160	180	200	220
Height	H	161	161	163	196	223	251	290	333	370
Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
Weight(Kg)		2.3	2.22	2.39	4.24	5.7	7.05	10.9	16.8	24



CL800 Welded bonnet, full port reducing port outside screw and yoke(OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Face to face	L	79	79	92	111	120	120	140	178	180
Handwheel diameter	W	100	100	100	125	160	160	180	200	220
Height	H	161	161	163	196	223	251	290	333	370
Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
Weight(Kg)		1.9	1.9	2.1	3.2	5.2	6.9	10.4	15.8	22



CL900-CL1500 Bolted bonnet, full port reducing port outside screw and yoke(OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

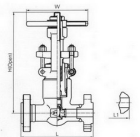
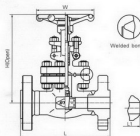
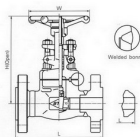
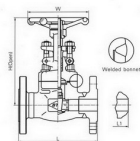
Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Face to face	L	92	111	111	120	120	140	178	180	-
Handwheel diameter	W	100	125	125	160	160	180	200	220	-
Height	H	191	191	192	219	243	296	316	370	-
Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
Weight(Kg)		2.4	4.4	4.3	6	7.2	11.4	16	23	-



CL900-CL1500 Welded bonnet, full port reducing port outside screw and yoke(OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Face to face	L	92	111	111	120	120	140	178	180	-
Handwheel diameter	W	100	125	125	160	160	180	200	220	-
Height	H	171	207	207	240	258	330	355	370	-
Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
Weight(Kg)		2.3	4	4	4.8	7.1	11	16	22.8	-

Forged steel flange gate valves


CL150-300-600 Bolted bonnet, reducing port outside screw and yoke(OS & Y)
 Flange-welded or butt-welded ends; design to API602;BS5352

Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Face to face	CL150	-	-	108	117	127	140	165	178	190
Face to face	CL300	-	-	140	152	165	178	190	216	241
	CL600	-	-	165	190	216	229	241	292	330
Handwheel diameter	W	-	-	100	100	125	160	160	180	200
Height	CL150	-	-	176	184	217	226	250	290	357
	CL300,CL600	-	-	161	163	196	226	250	290	357
Height (angle dimension)	RF	-	-	10	13.5	18	24	29	36.5	45
	BW	-	-	3.4	3.98	6.12	7.2	10.4	15.5	24.5
Weight (Kg)	CL150	-	-	2.8	3.3	5.4	7.1	8.2	12.5	20
	CL300	-	-	3.77	4.69	7.23	9.6	12.64	18	26.2
Weight (Kg)	CL300	-	-	3.5	4.4	6.8	8.1	9.2	15.4	22
	CL600	-	-	4.2	5.8	8.8	12.1	15.6	19.5	32
Weight (Kg)	CL600	-	-	4.5	5.1	8.2	10.5	12.4	20.1	28

If you want to order one piece body, please contract with sale department

CL900-CL1500 Welded bonnet, full port outside screw and yoke(OS & Y)
 Flange-welded or butt-welded ends; design to BS 5352

Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L(RF),L1(BW)	-	-	216	229	254	279	305	368
	L(RT,J)	-	-	216	229	254	279	305	371
Handwheel diameter	W	-	-	125	125	160	180	200	220
Height	H	-	-	191	192	219	257	296	316
Height(angle dimension)	d	-	-	13.5	18	24	29	36.5	45
	d	-	-	7.2	11.5	15.6	16.2	22.6	28.2
Weight(Kg)		-	-	7.2	11.5	15.6	16.2	22.6	28.2

If you want to order one piece body, please contract with sale department

CL2500 Bolted bonnet, full port outside screw and yoke(OS & Y)
 Flange-welded or butt-welded ends; design to ASME B16.34

Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face (mm)	L(RF),L1(BW)	-	-	264	273	308	-	384	451
	L(RT,J)	-	-	264	273	308	-	387	454
Handwheel diameter	W	-	-	125	160	160	-	200	240
Height	H	-	-	207	240	258	-	355	370
Height(angle dimension)	d	-	-	13.5	13.5	19	-	30	36.5
	d	-	-	19.5	21.5	42	-	65	95
Weight(Kg)		-	-	19.5	21.5	42	-	65	95

CL2500 Pressure seal gate valves, full port outside screw and yoke(OS & Y)
 Flange-welded or butt-welded ends; design to ASME B16.34

Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L(RF),L1(BW)	-	-	264	273	308	-	384	451
	L(RT,J)	-	-	264	273	308	-	387	454
Handwheel diameter	W	-	-	200	200	200	-	280	300
Height	H	-	-	325	325	327	-	478	540
Height(angle dimension)	d	-	-	13.5	13.5	19	-	30	36.5
	d	-	-	4.6	6.8	7.6	-	15	21.9
Weight(Kg)		-	-	4.6	6.8	7.6	-	15	21.9