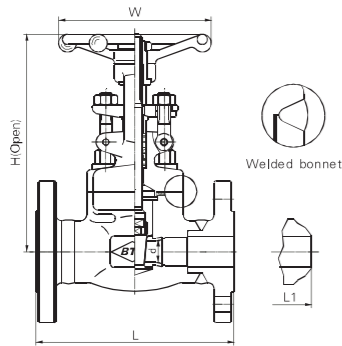




CL150-300-600 Bolted bonnet, reducing port outside screw and yoke(OS & Y)
Flange-welded or butt-welded ends; design to API602;BS5352

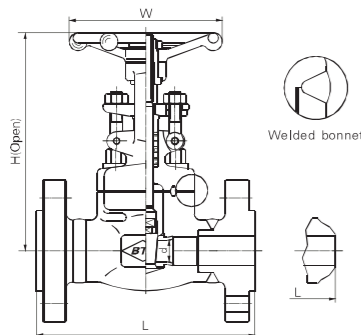
Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
Face to face	CL150	-	-	108	117	127	140	165	178	190	
	CL300	-	-	140	152	165	178	190	216	241	
	CL600	-	-	165	190	216	229	241	292	330	
Handwheel diameter	W	-	-	100	100	125	160	160	180	200	
Height	CL150	-	-	176	184	217	226	250	290	357	
	CL300,CL600	-	-	161	163	196	226	250	290	357	
Height (angle dimension)	d	-	-	10	13.5	18	24	29	36.5	45	
Weight (Kg)	CL150	RF	-	-	3.4	3.98	6.1	7.2	10.4	15.5	24.5
		BW	-	-	2.8	3.3	5.4	7.1	8.2	12.5	20
	CL300	RF	-	-	3.77	4.89	7.2	8.6	12.64	18	26.2
		BW	-	-	3.5	4.4	6.8	8.1	9.2	15.4	22
	CL600	RF	-	-	4.2	5.8	8.8	12.1	15.6	19.5	32
		BW	-	-	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

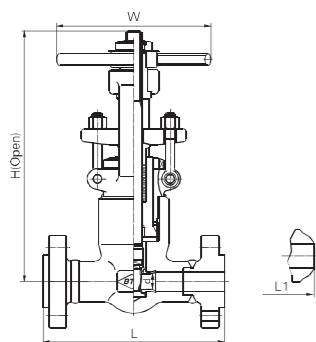
Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L(RF),L1(BW)	-	-	216	229	254	279	305	368
	L(RTJ)	-	-	216	229	254	279	305	371
Handwheel diameter	W	-	-	125	125	160	180	200	220
Height	H	-	-	191	192	219	257	296	316
Flow port dimension	d	-	-	13.5	18	24	29	36.5	45
Weight(Kg)		-	-	7.2	11.5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



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

CL2500 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(RTJ)	-	-	264	273	308	-	387	454
Handwheel diameter	W	-	-	200	200	200	-	280	300
Height	H	-	-	325	325	327	-	478	540
Flow port dimension	d	-	-	13.5	13.5	19	-	30	36.5
Weight(Kg)		-	-	4.6	6.8	7.6	-	15	21.9

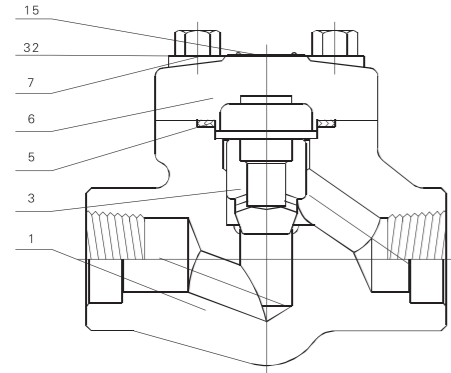


valves are available in Three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is available. The third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint. The check valves are also available in three different design configurations. These are piston check, ball check, or swing check designs.

Construction is as follows

- ※ Full port or conventional port;
- ※ Lift type check valves;
- ※ Ball type check valves;
- ※ Swing type check valves;
- ※ According to requirement equip inside spring;
- ※ Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
- ※ Socket weld ends to ASME B16.11;
- ※ Screwed ends (NPT) to ANSI/ASME B1.20.1;
- ※ Disc can change for soft seal disc and ball disc.





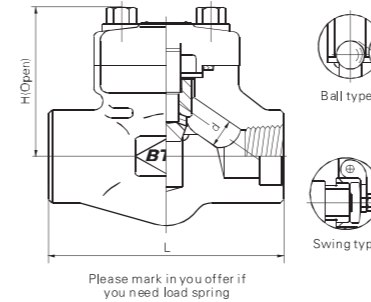
Please mark in you offer if you need load spring

Application standards

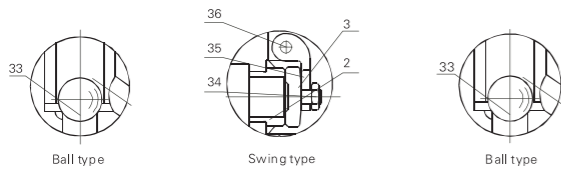
- Design and manufacture conform to BS5352 MSS SP-118;
- Connection ends conform to:
 - Socket welded ends conform to ANSI B16.11;JB/T1751
 - Screw ends conform to ANSI B1.20.1;JB/T7306
 - Butt-welded ends conform to ANSI B16.25;JB/T12224
 - Flanged ends conform to ANSI B16.5;JB79
- Test and inspection conform to: API 598; GB/T13927; JB/T9092
- Structure features: Bolted bonnet, Welded bonnet
- 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



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Main part materials list

NO.	Part name	A105/F6a	A105/F6aHF	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
		A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	Seat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
5	Gasket	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	304+ 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
15	Nameplate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
32	Revit	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
33	Steel ball	430	430	304	STL	316(L)	316(L)	STL
		304	304	304	304	304(L)	316(L)	F51
34	Disc nut	2H	2H	8	8	8(M)	8(M)	8M
35	Hinge	410	410	304	410	316(L)	316(L)	F51
36	Pin	410	410	304	410	304(L)	316(L)	F51

CL800 Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

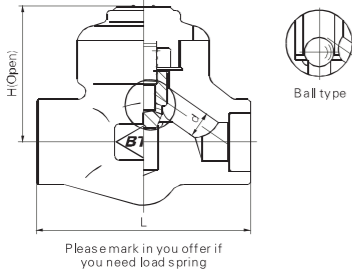
Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2		
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
Face to face	L	Lift	79	79	92	111	120	152	172	200
		Swing	79	79	92	111	120	120	140	178
Height	H	Lift	61	61	61	78	84	84	118	132
		Swing	61	61	61	78	84	84	120	133
Height (angle dimension)	d	Lift	7	9	13	17.5	23	30	35	46
		Swing	8	10.5	13.5	18	24	29	36.5	45
Weight(Kg)		Lift	1.2	1.5	1.7	3.3	4.2	4.2	10.5	12.5
		Swing	1.4	1.5	1.7	3.3	4.2	4.2	8.5	10.9

CL800 Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

Specification (NPS)	R.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L	79	79	92	111	120	152	172	200
Height	H	61	61	61	78	84	103	118	132
Height (angle dimension)	d	7	9	13	17.5	23	30	35	46
Weight(Kg)		1.2	1.3	1.5	3.0	3.9	6.0	10	12

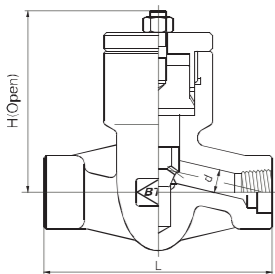
CL900-CL1500 Bolted bonnet, full port and reducing port
Threaded,butt-welded or socket welded ends;design to BS5352

Specification (NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2		
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
Face to face	L	Lift		92	111	111	120	152	172	200
		Swing		92	111	111	120	120	140	178
Height	H	Lift		61	78	78	84	103	118	132
		Swing		61	78	78	84	101	120	133
Height (angle dimension)	d	Lift		7	12	15	20	28	32	40
		Swing		8	10.5	13.5	18	24	29	45
Weight(Kg)		Lift		1.5	3.4	3.3	4.2	6.3	10.5	12.5
		Swing		1.5	3.4	3.3	4.2	5.0	8.5	10.9



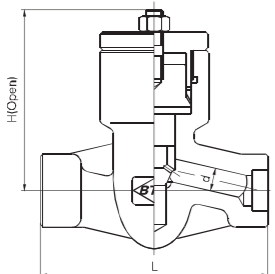
CL900-CL1500 Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

Specification (NPS)	R.P	1/2	3/4	1	1 1/4	1 1/2	2		
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L	92	111	111	120	152	172	200	
Height	H	61	78	78	84	103	118	132	
Height (angle dimension)	d	7	12	15	20	28	32	40	
Weight(Kg)		1.3	3.1	3.1	3.9	5.8	10.0	11.5	



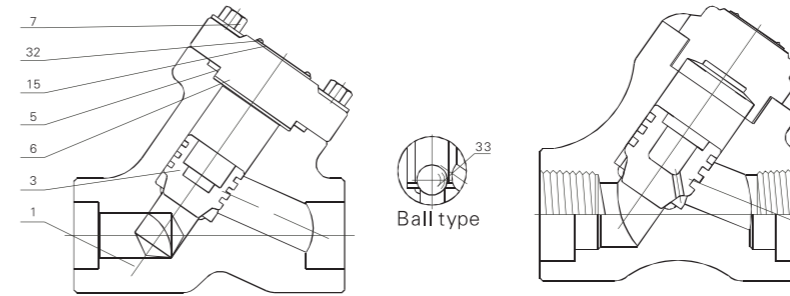
CL900-CL1500 Pressure seal bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

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		140	140	140	178	216	216		
Height	H		117	117	117	152	195	195		
Height (angle dimension)	d		12	15	20	28	32	40		
Weight(Kg)			7.5	7.0	6.8	18.5	20.3	22		

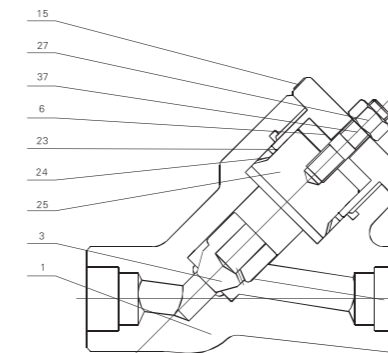


CL2500 Pressure seal bonnet, full port
Threaded, butt-welded or socket welded ends; design to ASME B16.34

Specification (NPS)	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face	L			186	186	186	232	232	279
Height	H			117	117	117	152	152	195
Height (angle dimension)	d			11	14	19	25	28	35
Weight(Kg)				11.8	11	10.5	23	26.4	39



Please mark in you offer if you need load spring



Application standards

- Design and manufacture conform to BS5352 MSS SP-118;
- Connection ends conform to:
 - Socket welded ends conform to ANSI B16.11; JB/T1751
 - Screw ends conform to ANSI B1.20.1; JB/T7306
 - Butt-welded ends conform to ANSI B16.25; JB/T12224
 - Flanged ends conform to ANSI B16.5; JB79
- Test and inspection conform to: API 598; GB/T13927; JB/T9092
- Structure features: Bolted bonnet, Welded bonnet, A threaded and pressure seal bonnet; Y type and T type.
- 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

CL1500-3705 P.S.I @ 100° F
CL2500-6170 P.S.I @ 100° F
CL4500-1111 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
3	Disc	410	410HF	304	410HF	304(L)	316(L)	F51
5	Gasket	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	304+ 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
15	Nameplate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
32	Revit	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
33	Steel ball	430	430	304	STL	316(L)	316(L)	STL
1	Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	Nameplate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
23	Seal ring gasket	420	420	304	304	304(L)	316(L)	410
24	P.S.ring	304	304	304	304	316L	316L	316L
25	P.S.seat	F410	F410	F304	F410	F304	F316	F51
27	Lift nut	2H	2H	8	8	8(M)	8(M)	8M
37	Lift stud	B7	B7	L7	B16	B8(M)	B8(M)	B8M