

•Ball Valve •Gate Valve •Globe Valve •Check Valve •Forged Valve •Butterfly Valve



SHANGHAI YUANGAO VALVES INDUSTRY (GROUP) CO., LTD

FORGED VALVE DATA SHEET

FHVV®

LEAD®



SGS

PED



API 600 API 6D API 624 API 607 CE 1155 2014/68/EU ISO 9001

SHANGHAI YUANGAO VALVES INDUSTRY CO., LTD.

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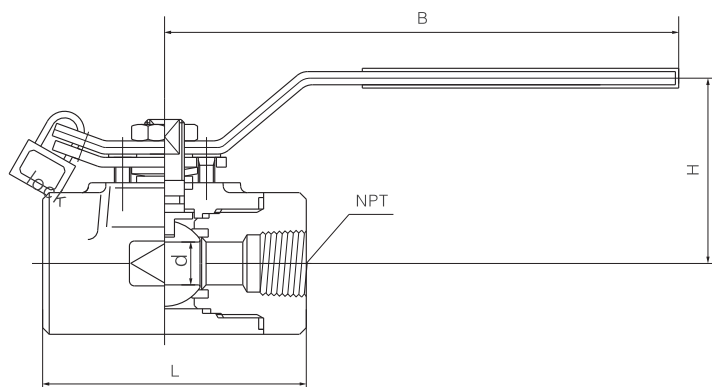
Fax: +86 21 60892650

Web: www.fhv-valves.com

2PCS Forged Steel Ball Valve CL800-2500

Applicable standards:

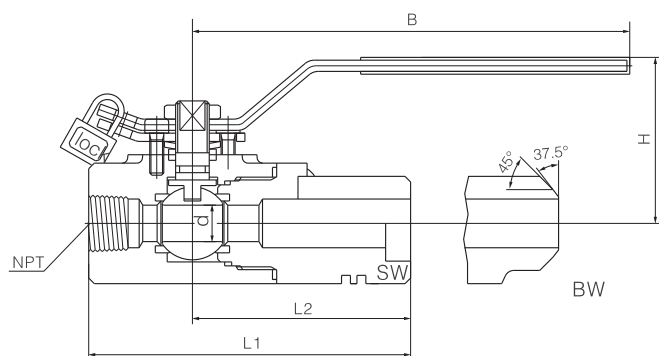
- Design and manufacture conform to :BS5352 MSS SP-118
- Connection ends conform to :
 - 1) Socket welded dimension conform ANSI B16.11
 - 2) Screw ends dimension conform to ANSI B1.20.1
 - 3) Butt-welded conform to ANSI B16.25
 - 4) Flanged ends conform to ANSI B16.5
- Test and inspection conform to :API 598
- Structure features: screw thread; two-piece
- Materials conform to ANSI/ASTM
- Main materials: A105; LF2; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy.



CL800

One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to BS5351

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
L		70	70	90	95	115	125	135	155
D		6	9	12.5	17	24	37	37	49



CL1500-CL2500

One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to API6D

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L1		80	80	95	115	125	135	155	155
		-	-	125	135	155	-	155	-
D		6	9	13	19	25	32	38	49
		6	9	13	19	25	-	38	42

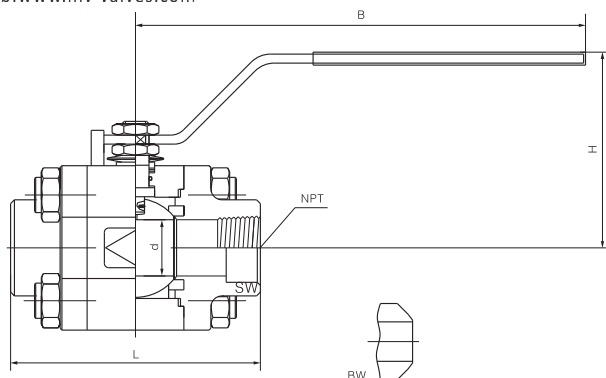
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3PCS Forged Steel Ball Valve CL800–2500



Applicable standards:

- Design and manufacture conform to :Bs5352 MSS SP-118
- Connection ends conform to :
 - 1)Socket welded dimension conform ANSI B16.11
 - 2)Screw ends dimension conform to ANSI B1.20.1
 - 3)Butt-welded conform to ANSI B16.25
 - 4)Flanged ends conform to ANSI B16.5
- Test and inspection conform to :API 598
- Structure features:
 - bolted bonnet;three-piece
- Materials conform to ANSI/ASTM
- Main materials:A105;LF2;F5;F11;F22;304(L);316(L); F347;F321;F51;Monel;20 Alloy.

CL800–CL1500

Connection ends may be pipe-welded(butt-welding or socket welding) and/or threaded,design to BS5351

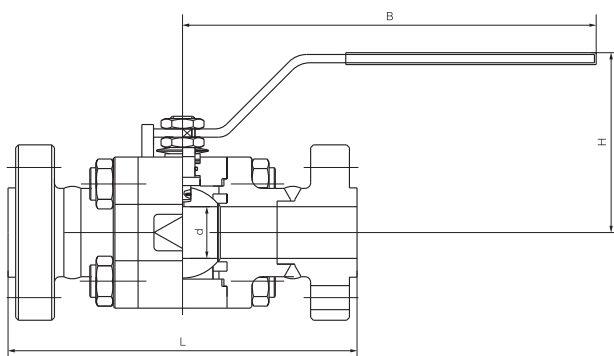
NPS	F.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L1		92	92	92	111	127	140	152	152
D	CL800	6	9	13	18	23	28	35	49
	CL1500	6	9	13	19	25	32	38	49

CL2500

Connection ends may be pipe-welded(butt-welding or socket welding) and/or threaded,design to BS5351

NPS	F.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L1		–	–	110	125	135	–	160	–
D		–	–	13	19	25	–	38	–

3PCS Flange Ball Valve



Applicable standards:

- Design and manufacture conform to :Bs5352 MSS SP-118
- Connection ends conform to :
 - 1)Socket welded dimension conform ANSI B16.11
 - 2)Screw ends dimension conform to ANSI B1.20.1
 - 3)Butt-welded conform to ANSI B16.25
 - 4)Flanged ends conform to ANSI B16.5
- Test and inspection conform to :API 598
- 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.

CL1500–CL2500

Flanged or butt-welded ends;design to API 6D Face to face conforms to manufacture standard

NPS	F.P	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		216	229	256	279	305	365
		264	273	308	349	381	451
D		13	19	25	32	38	49
		13	19	25	32	38	42

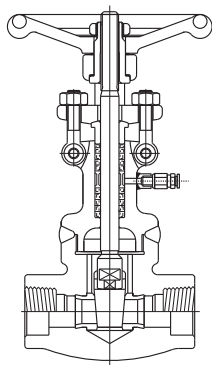
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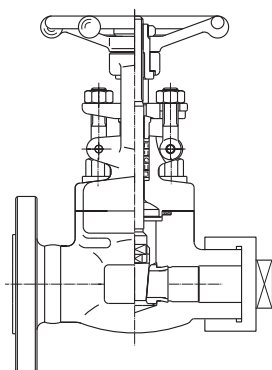
Special Purposes Gate Valve



- Welded bonnet
- Os & y
- Packing
- Distance ring
- Grease valve
- Solid wedge

Vacuum gate valves

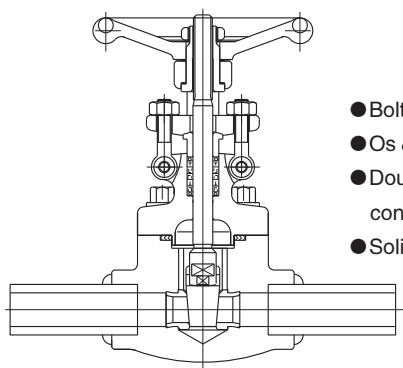
CLASS800 API602 BS5352	Temperature pressure	materials		
		body/bonnet	trim	bolt
	1975 psi @ 100°F	Carbon steel	13Cr	B7



- Welded bonnet
- Os & y
- cap fitting connection
- Solid wedge

For venting and /or releasing media

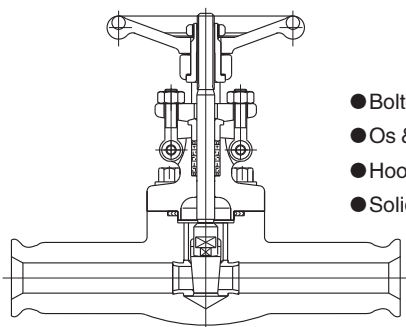
CLASS800 API602 BS5352	Temperature pressure	materials		
		body/bonnet	trim	bolt
	1975 psi @ 100°F	Carbon steel	13Cr	B7



- Bolted bonnet
- Os & y
- Double end pipe connection
- Solid wedge

Coupling pipe valves

CLASS800 API602 BS5352	Temperature pressure	materials		
		body/bonnet	trim	bolt
	1975 psi @ 100°F	Carbon steel	13Cr	B7



- Bolted bonnet
- Os & y
- Hoop connection
- Solid wedge

Hoop gate valves

CLASS800 API602 BS5352	Temperature pressure	materials		
		body/bonnet	trim	bolt
	1975 psi @ 100°F	Carbon steel	13Cr	B7

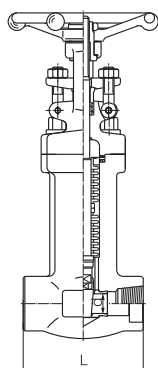
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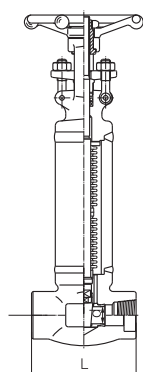
Bellow Sealed Gate Valve CL800-1500



CL800

Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y)
Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

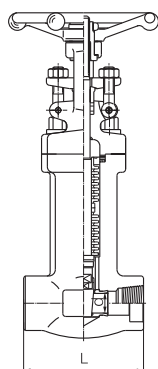
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
L		79	79	92	111	120	160	140
D		7.5	10.5	13.5	18	24	29	36.5



CL800

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

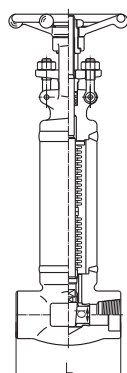
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
L		79	79	92	111	120	160	140
D		7.5	10.5	13.5	18	24	29	36.5



CL1500

Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y)
Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

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
L		79	111	111	120	120	140	178
D		7.5	10.5	13.5	18	24	29	36.5



CL1500

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

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
L		79	111	111	120	120	140	178
D		7.5	10.5	13.5	18	24	29	36.5

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Cryogenic Gate Valve CL150-800

Applicable standards:

● Design and manufacture conform to :API 602 Bs5352 ANSI B16.34

● Connection ends conform to :

- 1) Socket welded dimension conform ANSI B16.11
- 2) Screw ends dimension conform to ANSI B1.20.1
- 3) Butt-welded conform to ANSI B16.25
- 4) Flanged ends conform to ANSI B16.5

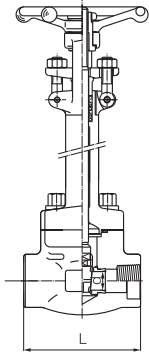
● Test and inspection conform to :API 598

● Structure features:

- Bolted bonnet; outside screw and yoke
- welded bonnet; outside screw and yoke

● Materials conform to ANSI/ASTM

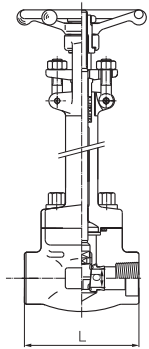
● Main materials: LF2; LF3; 304(L); 316(L); F347; F321; F51



CL800

Bolted bonnet, cryogenic extended bonnet full port & reduced port, (OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

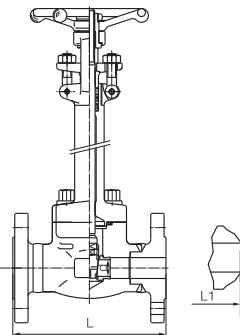
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	111	120	120	140	178	180
D		7.5	10.5	13.5	18	24	29	36.5	45	51



CL1500

Bolted bonnet, cryogenic extended bonnet full port & reduced port, (OS & Y)
Threaded, butt-welded or socket welded ends; design to API 602

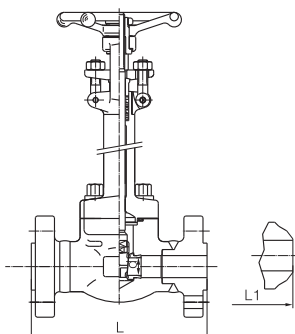
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	111	111	120	120	140	178	180
D		7.5	10.5	13.5	18	24	29	36.5	45



CL150-300-600

Bolted bonnet, cryogenic extended bonnet full reduced port, (OS & Y)
Flanged or butt welded ends; design to API 602

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	-	165	178
		-	-	140	153	165	-	191	216
		-	-	165	191	216	-	241	292
D		-	-	10.5	13.5	18	24	29	36.5



CL150-300-600

Bolted bonnet, cryogenic extended bonnet full port, (OS & Y)
Flanged or butt welded ends; design to API 602

NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
L			216	229	254	279	325	368
D			10.5	13.5	18	24	29	36.5

Flange Integrity forged steel valve enquiry please contact sales department.

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Female Threaded and Socket Welded Gate Valve CL800–1500

Applicable standards:

● Design and manufacture conform to :API602、BS5352、ANSI B16.34

● Connection ends conform to :

- 1) Socket welded dimension conform ANSI B16.11
- 2) Screw ends dimension conform to ANSI B1.20.1
- 3) Butt-welded conform to ANSI B16.25
- 4) Flanged ends conform to ANSI B16.5

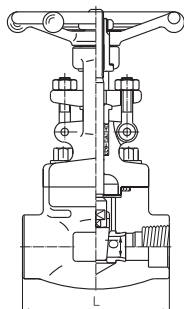
● Test and inspection conform to :API 598

● Structure features:

- Bolted bonnet, outside screw and yoke
- Welded bonnet, outside screw and yoke

● Materials conform to ANSI/ASTM

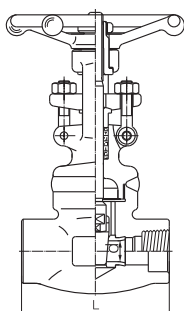
● Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy.



CL800

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

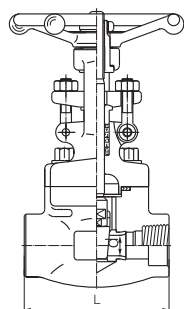
NPS	R.P	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	111	120	120	140	178	180
D		8	10.5	13.5	18	24	29	36.5	45	51



CL800

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

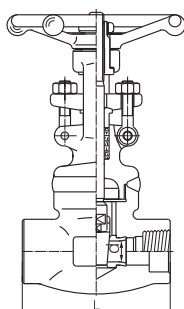
NPS	R.P	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	111	120	120	140	178	180
D		8	10.5	13.5	18	24	29	36.5	45	51



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

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
L		92	111	111	120	120	140	178	180	–
D		8	10.5	13.5	18	24	29	36.5	45	–



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

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
L		92	111	111	120	120	140	178	180	–
D		8	10.5	13.5	18	24	29	36.5	45	–

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Female Threaded and Socket Welded Gate Valve CL1500–2500

Applicable standards:

● Design and manufacture conform to : API 602、BS5352、ANSI B16.34

● Connection ends conform to :

1) Socket welded dimension conform ANSI B16.11

2) Screw ends dimension conform to ANSI B1.20.1

3) Butt-welded conform to ANSI B16.25

4) Flanged ends conform to ANSI B16.5

● Test and inspection conform to : API 598

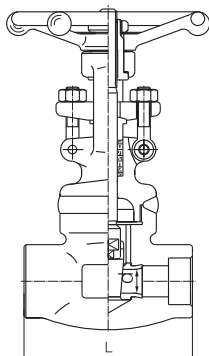
● Structure features:

Bolted bonnet, outside screw and yoke

Welded bonnet, outside screw and yoke

● Materials conform to ANSI/ASTM

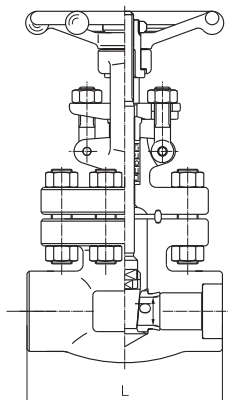
● Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20 Alloy.



CL2500

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
Socket welded ends, design conform to ASME B 16.34

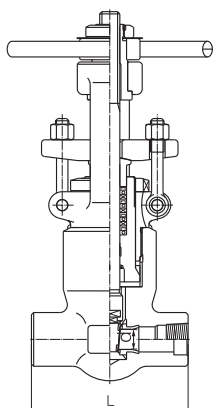
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4
L		111	120	120	120	140
D		14	14	14	19	25



CL1500–CL2500

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
Socket welded ends, design conform to ASME B 16.34

NPS	F.P		1 / 2	3 / 4	1	1 1/2	2
L		CL1500	111	150	150	210	235
		CL2500	125	150	210	235	235
D		CL1500	14	17	22	35	37
		CL2500	14	14	14	25	30



CL1500–CL2500

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
Socket welded ends, design conform to ASME B 16.34

NPS	F.P		3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		CL900–1500	140	140	140	140	178	178	216
		CL2500	186	186	186	186	232	232	279
D		CL900–1500	14	14	14	14	25	30	36.5
		CL2500	14	14	14	14	25	30	36.5

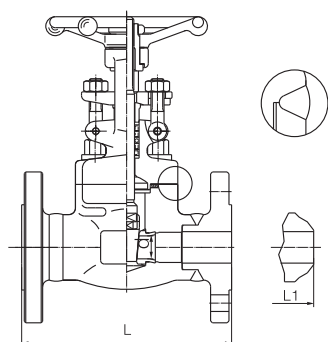
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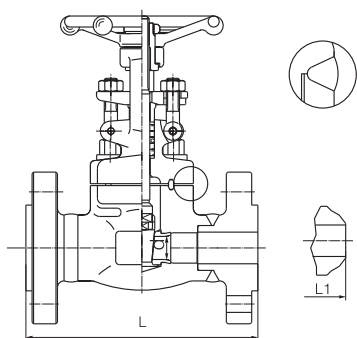
Forged Steel Flange Gate Valve CL150-2500



CL150-300-600

Bolted bonnet, reducing port outside screw and yoke (os & Y)
Flange—or butt—welded ends; design to API 602 BS5352

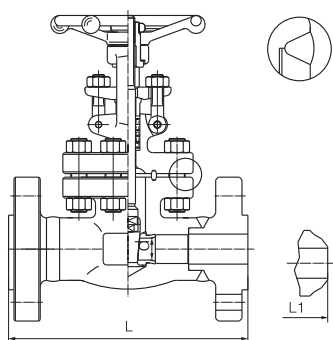
NPS		1/ 4	3/ 8	1/ 2	3/ 4	1	1 ¹ /4	1 ¹ /2	2	2 ¹ /2
F.P	L(RH) L1(BW)	–	–	108	117	127	140	165	178	190
		–	–	140	152	165	178	190	216	241
		–	–	165	190	216	229	241	292	330
D		–	–	10	13.5	18	24	29	36.5	45



CL900-CL1500

Bolted bonnet, Full port outside screw and yoke (os & Y)
Flange—welded or—butt—welded ends; design to BS5352

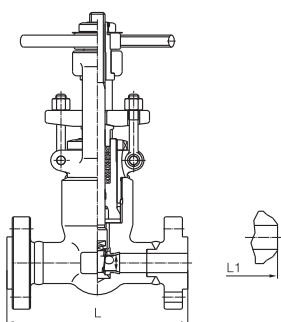
NPS		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
F.P	L(RH), L1(BW)	—	—	216	229	254	279	305	368
	L (RTJ)	—	—	216	229	254	279	305	371
D		—	—	13.5	18	24	29	36.5	45



CL2500

Bolted bonnet, Full port outside screw and yoke (os & Y)
Flange—welded or—butt—welded ends; design to ASME B16.34

NPS		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
F.P	L(RH), L1(BW)	—	—	264	273	308	—	384	451
	L (RTJ)	—	—	264	273	308	—	387	454
D		—	—	13.5	13.5	19	—	30	36.5



CL2500

Pressure seal gate valves, Full port outside screw and yoke (os & Y)
Flange—welded or—butt—welded ends; design to ASME B16.34

NPS		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
F.P	L(RH), L1(BW)	—	—	264	273	308	—	384	451
	L (RTJ)	—	—	264	273	308	—	387	454
D		—	—	13.5	13.5	19	—	30	36.5

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Bellow Sealed Globe Valve CL800-1500

Applicable standards:

● Design and manufacture conform to :API602、MSS-SP-117

● Connection ends conform to :

- 1)Socket welded dimension conform ANSI B16.11
- 2)Screw ends dimension conform to ANSI B1.20.1
- 3)Butt-welded conform to ANSI B16.25
- 4)Flanged ends conform to ANSI B16.5

● Test and inspection conform to :API 598

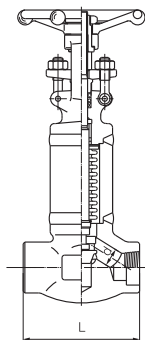
● Structure features:

- Bolted bonnet,outside screw and yoke
- Welded bonnet,outside screw and yoke

● Materials conform to ANSI/ASTM

● Main materials:A105;304(L);316(L);F347;F321

● Bellow materials:304、321、316、Inconel 625,hastelloy,C 276,Monel

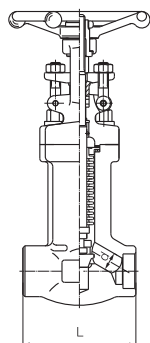


CL800

Welded bonnet,full port & reducing port outside screw and yoke(OS & Y)

Threaded,butt-welded or socket welded ends;design to BS5352/MSS-SP-117

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
L		79	79	92	111	120	152	172	200
D		7.0	9.0	13	17.5	23	30	35	46

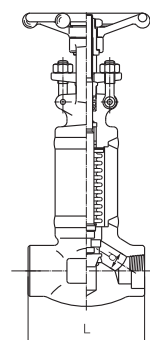


CL800

Bolted bonnet,full port & reducing port outside screw and yoke(OS & Y)

Threaded,butt-welded or socket welded ends;design to BS5352/MSS-SP-117

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
L		79	79	92	111	120	152	172	200
D		7.0	9.0	13	17.5	23	30	35	46

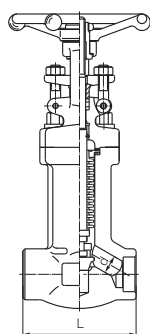


CL1500

Welded bonnet,full port & reducing port outside screw and yoke(OS & Y)

Threaded,butt-welded or socket welded ends;design to BS5352/MSS-SP-117

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		92	92	111	111	120	152	172	200
D		7	9	12	15	20	28	32	40



CL1500

Bolted bonnet,full port outside screw and yoke(OS & Y)

Threaded,butt-welded or socket welded ends;design to BS5352/MSS-SP-117

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		92	92	111	111	120	152	172	200
D		7	9	12	15	20	28	32	40

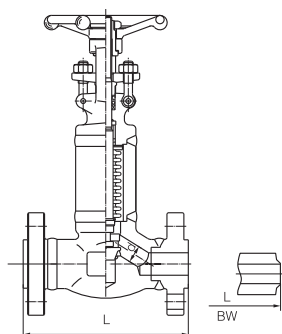
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Bellow Sealed Globe Valve CL150-1500

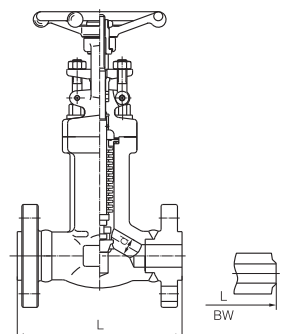


CL150-300-600

Welded bonnet, reducing port outside screw and yoke (OS & Y)
Flange-or butt-welded ends; design to BS5352/MSS-SP-117

NPS	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	117	127	140	165	203
		-	-	152	178	203	216	229	267
		-	-	165	190	216	229	241	292
D		-	-	9	13	17.5	23	30	35

Flange Integrity forged steel valve enquiry please contact sales department.

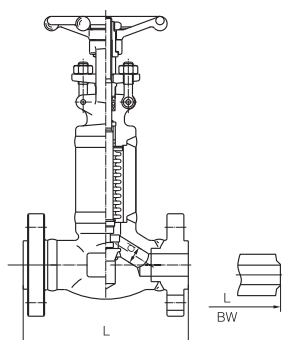


CL150-300-600

Bolted bonnet, reducing port outside screw and yoke (OS & Y)
Flange-or butt-welded ends; design to BS5352/MSS-SP-117

NPS	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	117	127	140	165	203
		-	-	152	178	203	216	229	267
		-	-	165	190	216	229	241	292
D		-	-	9	13	17.5	23	30	35

Flange Integrity forged steel valve enquiry please contact sales department.

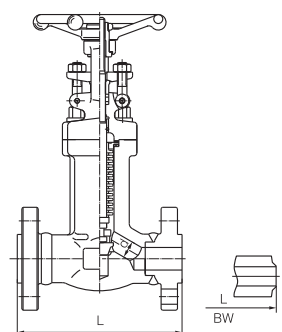


CL1500

Welded bonnet, full port outside screw and yoke (OS & Y)
Flange-or butt-welded ends; design to BS5352/MSS-SP-117

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		-	-	216	229	254	280	305	368
D		-	-	12	15	20	28	32	40

Flange Integrity forged steel valve enquiry please contact sales department.



CL1500

Bolted bonnet, full port outside screw and yoke (OS & Y)
Flange-or butt-welded ends; design to BS5352/MSS-SP-117

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF), L1(BW)		-	-	216	229	254	280	305	368
L(RTJ)		-	-	216	229	254	280	305	371
D		-	-	12	15	20	28	32	40

Flange Integrity forged steel valve enquiry please contact sales department.

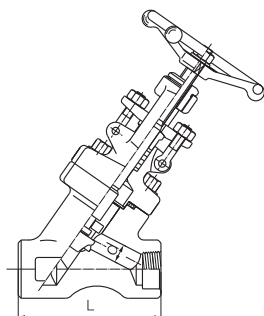
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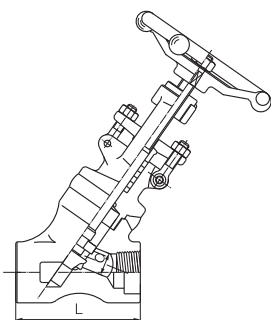
Y Type Globe Valve CL800-1500



CL800

Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

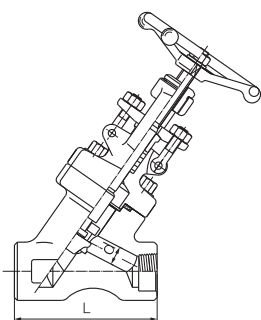
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		98	98	98	111	140	140	155	170	-
D		7	9	13	17.5	23	30	35	46	-



CL800

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

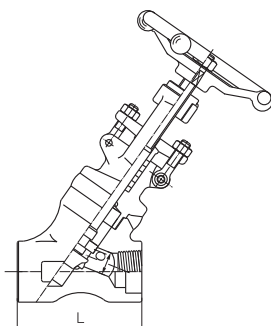
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	100	140	140	155	170	
D		7	9	13	17.5	23	30	35	46	



CL900-CL1500

Bolted bonnet, full port & outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

NPS	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		98	111	111	140	140	155	170	
D		9	12	15	20	28	32	40	



CL900-CL1500

Welded bonnet, full port & outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

NPS	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		92	100	100	140	140	155	170	
D		9	12	15	20	28	32	40	

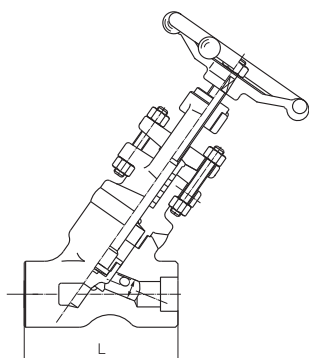
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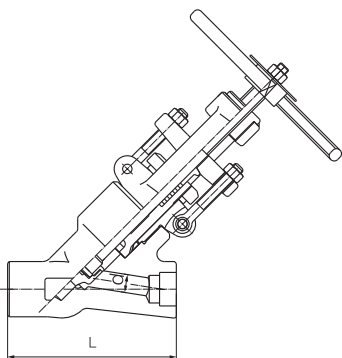
Y Type Globe Valve CL2500-4500



CL2500

Welded bonnet, full port outside screw and yoke (OS & Y)
Socket welded, design conform to ASME16.34

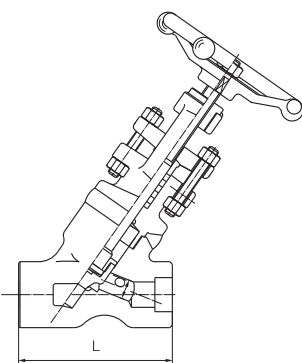
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
L		186	186	186	186	232	232	310	
D		9	11	14	19	25	28	35	



CL2500

Pressure seal bonnet, full port outside screw and yoke (OS & Y)
Socket welded, design conform to ASME16.34

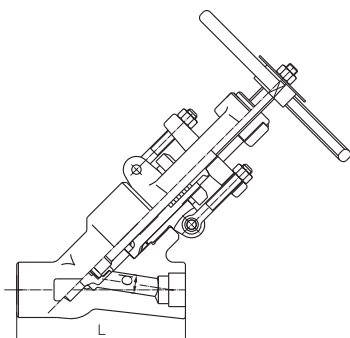
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
L		186	186	186	186	232	232	310	
D		9	11	14	19	25	28	35	



CL4500

Welded seal bonnet, full port outside screw and yoke (OS & Y)
Socket welded, design conform to ASME16.34

NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
L		155	155	155	155		225	225	
D		9	11	11	15		26	28	



CL4500

Pressure seal bonnet, full port outside screw and yoke (OS & Y)
Socket welded, design conform to ASME16.34

NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
L		200	200	200	200	250	250	330	
D		9	11	11	15	20	26	28	

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Cryogenic Globe Valve CL800-1500

Applicable standards:

● Design and manufacture conform to :API 602 Bs5352 ANSI B16.34

● Connection ends conform to :

- 1) Socket welded dimension conform ANSI B16.11
- 2) Screw ends dimension conform to ANSI B1.20.1
- 3) Butt-welded conform to ANSI B16.25
- 4) Flanged ends conform to ANSI B16.5

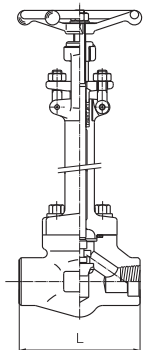
● Test and inspection conform to :API 598

● Structure features:

Bolted bonnet; outside screw and yoke
welded bonnet; outside screw and yoke

● Materials conform to ANSI/ASTM

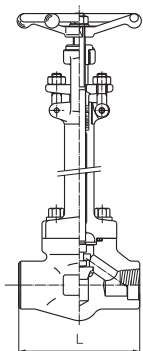
● Main materials: LF2; LF3; 304(L); 316(L); F347;
F321; F51; Monel; 20 Alloy.



CL800

Bolted bonnet cryogenic extended bonnet full port & reduced port, (OS & Y)
Threaded or socket welded ends; design to Bs5352

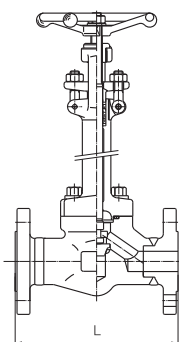
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	152	170	200
D		7.0	9.0	13	17.5	23	30	35	46



CL1500

Bolted bonnet cryogenic extended bonnet full port & reduced port, (OS & Y)
Threaded or socket welded ends; design to BS5352

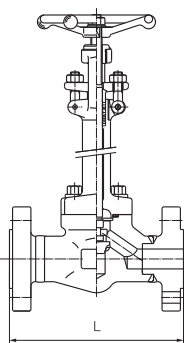
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		92	111	111	120	152	172	200	
D		9	12	15	20	28	32	40	



CL150-300-600

Bolted bonnet cryogenic extended bonnet, reduced port, (OS & Y)
Flanged or butt welded ends; design to BS5352

NPS	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	-	165	203
		-	-	153	178	203	-	229	267
		-	-	165	191	216	-	241	292
D		-	-	9.0	13	17.5	-	30	35



CL1500

Bolted bonnet cryogenic extended bonnet, full port, (OS & Y)
Flanged or butt welded ends; design to BS5352

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		-	-	216	229	254	280	305	366
D		-	-	12	15	20	28	32	40

Flange Integrity forged steel valve enquiry please contact sales department.

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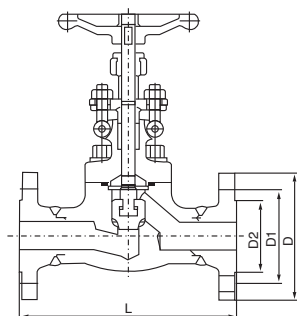
DIN Cast Steel Globe Valve PN25-160

Applicable standards:

- DESIGN AND MANUFACTURE :EN13709
- INSPECTION AND TEST:ISO5208、EN 12266
- FLANGED ENDS DIMENSIONS:EN 1092-1、DIN2544 PN25、DIN2545 PN40、DIN2546 PN64
- BUTT-WELDED ENDS DIMESNION:EN12627
- FACE TO FACE AND END TO END:DIN 3202、EN558-1、ISO5752
- PRESSURE-TEMPERATURE RATINGS:DIN 2401

DIN Forged steel globe valve

PN25



DN	15	20	25	32	40	50
L	130	150	160	180	200	230
D	95	105	115	140	150	165
D1	65	75	85	100	110	125
D2	45	58	68	78	88	102

PN40

DN	15	20	25	32	40	50
L	130	150	160	180	200	230
D	95	105	115	140	150	165
D1	65	75	85	100	110	125
D2	45	58	68	78	88	102

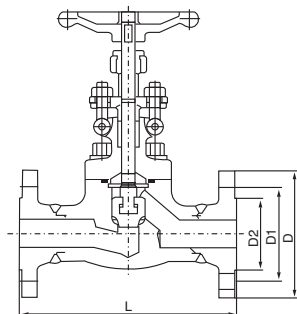
PN64

DN	15	20	25	32	40	50
L	210	230	230	260	260	300
D	105	130	140	155	170	180
D1	75	90	100	110	125	135
D2	45	52	68	75	88	102

Applicable standards:

- DESIGN AND MANUFACTURE :EN13709
- INSPECTION AND TEST:ISO5208、EN 12266
- FLANGED ENDS DIMENSIONS:EN 1092-1、DIN2544 PN25、DIN2545 PN40、DIN2546 PN64
- BUTT-WELDED ENDS DIMESNION:EN12627
- FACE TO FACE AND END TO END:DIN 3202、EN558-1、ISO5752
- PRESSURE-TEMPERATURE RATINGS:DIN 2401

PN100



DN	15	20	25	32	40	50
L	210	230	230	260	260	300
D	105	130	140	155	170	195
D1	75	90	100	110	125	145
D2	45	52	68	75	88	102

PN160

DN	15	20	25	32	40	50
L	210	230	230	260	260	300
D	105	130	140	155	170	195
D1	75	90	100	110	125	145
D2	45	52	68	75	88	102

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Female Threaded and Socket Welded Globe Valve CL800-1500

Applicable standards:

● Design and manufacture conform to :BS5352、MSS-SP-118

● Connection ends conform to :

- 1) Socket welded dimension conform ANSI B16.11
- 2) Screw ends dimension conform to ANSI B1.20.1
- 3) Butt-welded conform to ANSI B16.25
- 4) Flanged ends conform to ANSI B16.5

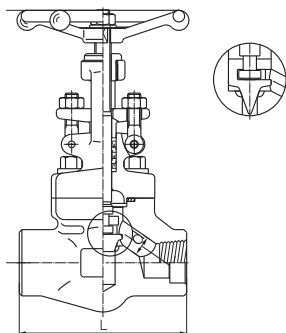
● Test and inspection conform to :API 598

● Structure features:

- Bolted bonnet, outside screw and yoke
- Welded bonnet, outside screw and yoke

● Materials conform to ANSI/ASTM

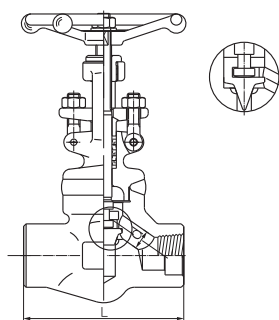
● Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20 Alloy.



CL800

Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

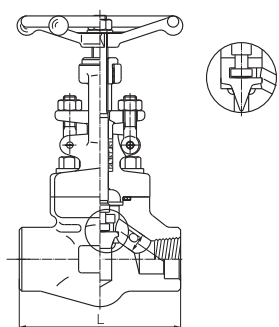
NPS	R.P	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	111	120	152	172	200	–
D		7	9	13	17.5	23	30	35	46	–



CL800

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

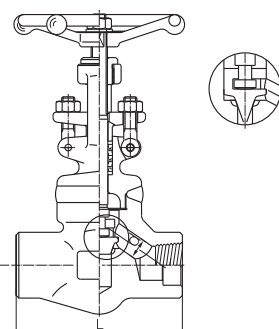
NPS	R.P	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		79	79	92	111	120	152	172	200	–
D		7	9	13	17.5	23	30	35	46	–



CL900-CL1500

Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

NPS	R.P	–	1/2	3/8	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
L		92	111	111	120	152	172	200	220	–
D		7	12	15	20	28	32	40	45	–



CL900-CL1500

Welded bonnet, full port & reducing port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

NPS	R.P	–	1/2	3/8	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
L		92	111	111	120	152	172	200	220	–
D		–	12	15	20	28	32	40	45	–

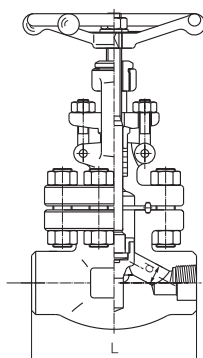
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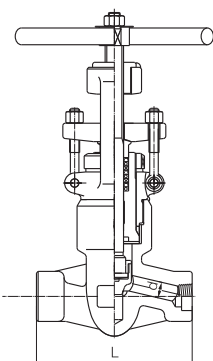
Female Threaded and Socket Welded Globe Valve CL900–2500



CL900–CL1500

Bolted bonnet, full port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

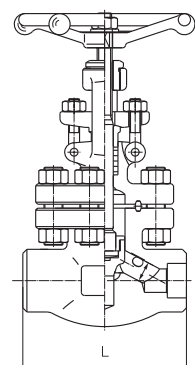
NPS		1 / 2	3 / 4	1	1 1/4	2	2 1/2
F.P	L	110	110	150	150	210	235
	D	9	12	15	20	32	40



CL900–CL1500

Pressure seal bonnet, full port outside screw and yoke (OS & Y) threaded, butt-welded or socket welded ends; design to BS5352

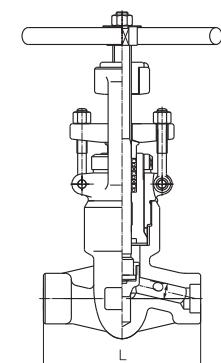
NPS		1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
F.P	L	110	110	110	178	178	210	–
	D	12	15	20	28	32	40	–



CL2500

Bolted bonnet, full port outside screw and yoke (OS & Y) Socket welded ends; design conform to ASME B16.34

NPS		1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
F.P	L	150	150	210	–	235	235	–
	D	11	14	19	–	28	35	–



CL2500

Pressure seal bonnet, full port outside screw and yoke (OS & Y) socket welded ends; design conform to ASME B16.34

NPS		1 / 2	3 / 4	1	1 1/4	1 1/2	2	2 1/2
F.P	L	186	186	186	232	232	279	–
	D	11	14	19	25	28	35	–

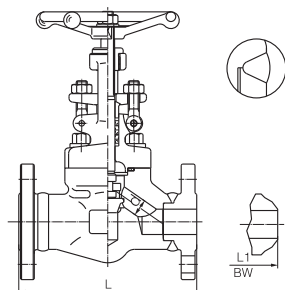
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Web: www.fhv-valves.com

Flange and Butt-Welded Globe Valve CL150-2500

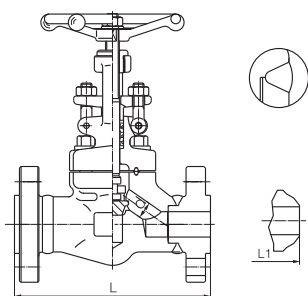


CL150-300-600

Bolted bonnet, reducing port outside screw and yoke (OS & Y)
Flange or butt-welding design to BS5352

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		—	—	108	117	127	140	165	203
		—	—	152	178	203	216	229	267
		—	—	165	190	216	229	241	292
D		—	—	9	13	17.5	23	30	35

Flange Integrity forged steel valve enquiry please contact sales department.

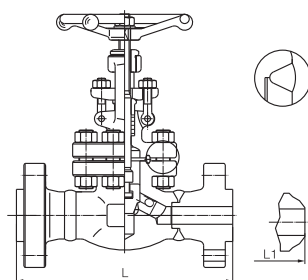


CL900-CL1500

Bolted bonnet, full port outside screw and yoke (OS & Y)
Flange or butt-welding design to BS5352

(NPS)	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF), L1(BW)		—	—	216	229	254	279	305	368
L(RTJ)		—	—	216	229	254	279	305	371
D		—	—	12	15	20	28	32	40

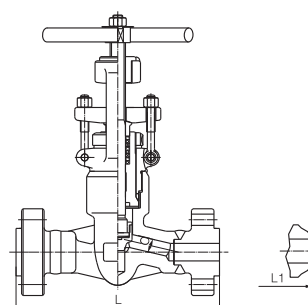
Flange Integrity forged steel valve enquiry please contact sales department.



CL2500

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

(NPS)	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF), L1(BW)		—	—	264	273	308	—	384	451
L(RTJ)		—	—	264	273	308	—	387	454
D		—	—	11	14	19	—	28	35



CL2500

Pressure seal bonnet, full port outside screw and yoke (OS & Y)
Flange or butt-welding design conform to ASME B16.34

(NPS)	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L(RF), L1(BW)		—	—	264	273	308	349	384	451
L(RTJ)		—	—	264	273	308	349	387	454
D		—	—	11	14	19	25	28	35

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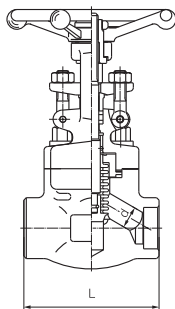
Fax: +86 21 60892650

Web: www.fhv-valves.com

Short Pattern Bellow Seal Globe Valve CL800

Applicable standards:

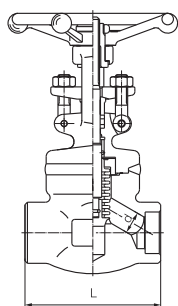
- Design and manufacture conform to :BS5352; MSS-SP-117
- Connection ends conform to :
 - 1)Socket welded dimension conform ANSI B16.11
 - 2)Screw ends dimension conform to ANSI B1.20.1
 - 3)Butt-welded conform to ANSI B16.25
 - 4)Flanged ends conform to ANSI B16.5
- Test and inspection conform to :API 598
- 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.
- Bellow materials:304,321,316,Inconel 625,hastelloy,C 276,Monel



CL800

Bolted bonnet,full port & reducing port outside screw and yoke(OS & Y)
Threaded,butt-welded or socket welded ends;design to BS5352/MSS-SP-117

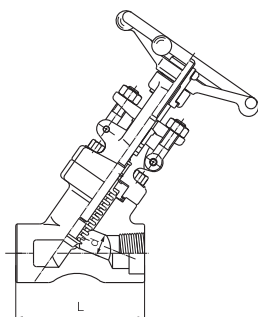
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	152	170	200
D		7.0	9.0	13	17.5	23	30	35	46



CL800

Welded bonnet,full port & reducing port outside screw and yoke(OS & Y)
Threaded,butt-welded or socket welded ends;design to BS5352、MSS-SP-117

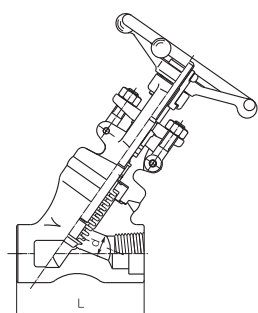
NPS	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	152	170	200
D		7.0	9.0	13	17.5	23	30	35	46



CL800

Bolted bonnet,full port & reducing port outside screw and yoke(OS & Y)
Threaded,butt-welded or socket welded ends;design to BS5352、MSS-SP-117

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
L		98	98	98	111	140	140	155	170
D		7	9	13	17.5	23	30	35	46



CL800

Welded bonnet,full port & reducing port outside screw and yoke(OS & Y)
Threaded,butt-welded or socket welded ends;design to BS5352、MSS-SP-117

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
L		79	79	92	100	140	140	155	170
D		7	9	13	17.5	23	30	35	46

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Female Threaded and Socket Welded Check Valve CL800-1500

Applicable standards:

● Design and manufacture conform to: BS5352, MSS-SP-118

● Connection ends conform to:

- 1) Socket welded dimension conform ANSI B16.11
- 2) Screw ends dimension conform to ANSI B1.20.1
- 3) Butt-welded conform to ANSI B16.25
- 4) Flanged ends conform to ANSI B16.5

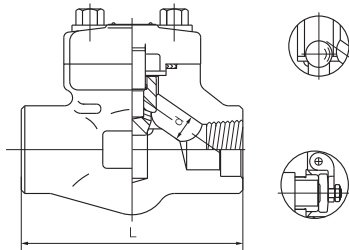
● Test and inspection conform to: API 598

● Structure features:

Gasket for bonnet connect acoptmetal ring;
bolt bonnet, welded bonnet

● Materials conform to ANSI/ASTM

● Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347

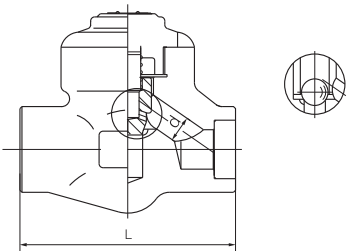


CL800

Bolted bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L	Lift	79	79	92	120	120	152	172	200
	swing	79	79	92	120	120	120	140	178
D	Lift	7	9	13	23	24	30	35	46
	swing	8	10.5	13.5	24	4.2	29	36.5	45

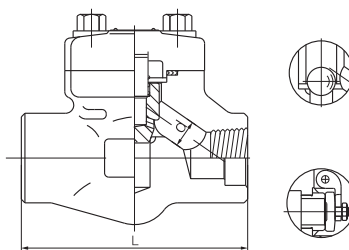


CL800

Welded bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L		79	79	92	111	120	152	172	200
D		7	9	13	17.5	23	30	35	46

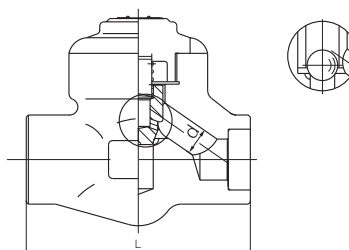


CL900-CL1500

Bolted bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L	Lift	92	111	111	120	152	172	200	-
	swing	92	111	111	120	120	140	178	-
D	Lift	7	12	15	20	23	32	40	-
	swing	8	10.5	13.5	18	24	29	45	-



CL900-CL1500

Welded bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L		92	111	111	120	152	172	200	
D		7	12	15	20	28	32	40	

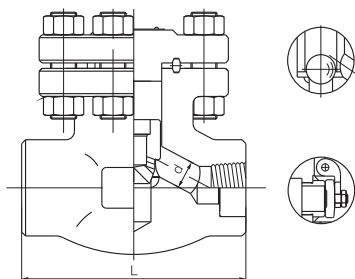
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Web: www.fhv-valves.com

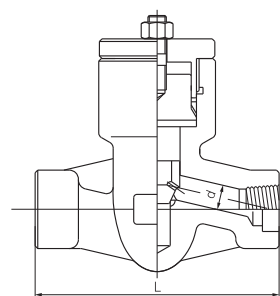
Female Threaded and Socket Welded Check Valve CL900–2500



CL900–CL1500

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

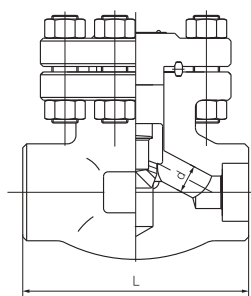
NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		110	110	110	110	150	150	210	235
D	Lift	9	10	12	15	20	28	32	40
	swing	8	10.5	13.5	18	24	29	36.5	45



CL900–CL1500

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

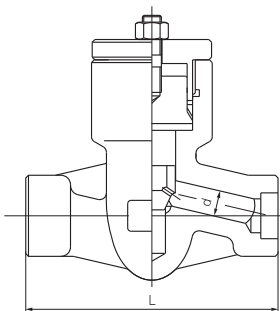
NPS	R.P	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L			140	140	140	178	216	216	–
D			12	15	20	28	32	40	–



CL2500

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

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		150	150	150	150	210	235	235	235
D		7.5	10.5	11	14	19	25	28	35



CL2500

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

NPS	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		–	–	186	186	186	232	232	279
D		–	–	11	14	19	25	28	35

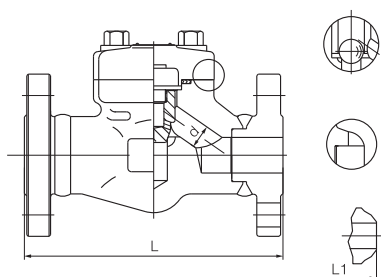
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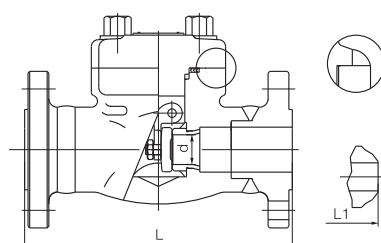
Flange and Butt-Welded Check Valve CL150-600



CL150-300-600

Bolted bonnet, reducing port
Flange-or butt-welded ends; design to Bs5352

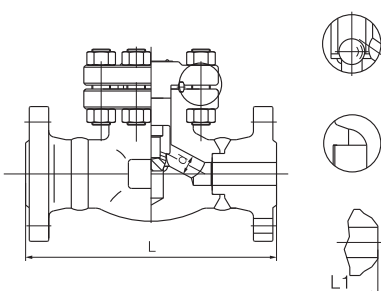
(NPS)	R.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	140	165	203
		-	-	153	178	203	216	229	267
		-	-	165	191	216	229	241	292
D		-	-	10	13	17.5	23	30	35



CL150-300-600

Bolted bonnet, reducing port
Flange-or butt-welded ends; design to BS5352

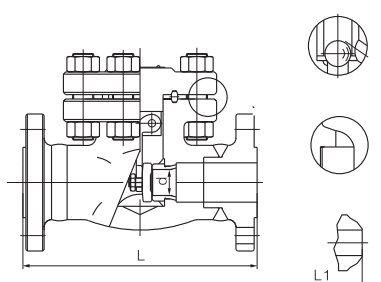
(NPS)	R.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	140	165	203
		-	-	153	178	203	216	229	267
		-	-	165	191	216	229	241	292
D		-	-	10.5	13.5	18	24	29	36.5



CL150-300-600

Bolted bonnet, reducing port
Flange-or butt-welded ends; design to BS5352

(NPS)	R.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	140	165	203
		-	-	153	178	203	216	229	267
		-	-	165	191	216	229	241	292
D		-	-	10	13	17.5	23	30	35



CL150-300-600

Bolted bonnet, reducing port
Flange-or butt-welded ends; design to Bs5352

(NPS)	R.P	1 / 4	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L(RF) L1(BW)		-	-	108	118	127	140	165	203
		-	-	153	178	203	216	229	267
		-	-	165	191	216	229	241	292
D		-	-	10.5	13.5	18	24	29	36.5

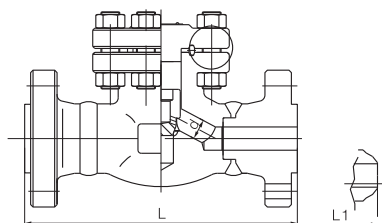
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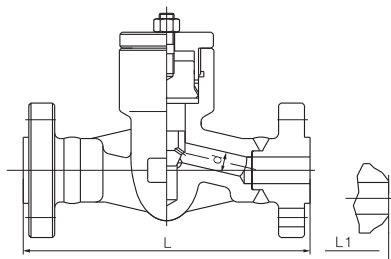
Flange and Butt-Welded Check Valve CL900-2500



CL900-CL1500

Bolted bonnet, full port
Flange-or butt-welded ends; design to BS5352

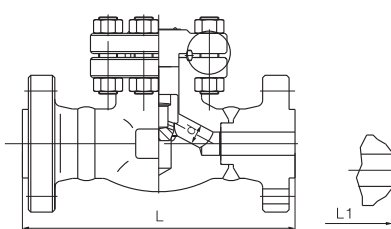
NPS	F.P	1 / 2	3 / 4	1	1' / 4	1' / 2	2
L(RF)、L1(BW)		216	229	254	280	305	371
D	Lift	12	15	20	28	32	40
	swing	13.5	18	24	29	36.5	45



CL900-CL1500

Pressure seal, bolted bonnet, full port and reducing port
Flange-or butt-welded ends; design to BS5352

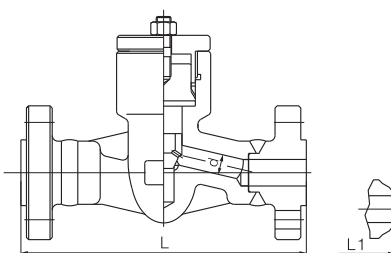
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1' / 4	1' / 2	2
L(RF)、L1(BW)		—	216	229	254	280	305	268
L(RTJ)		—	216	229	254	280	305	371
D		—	12	28	20	28	32	40



CL2500

Bolted bonnet, full port
Flange-or butt-welded ends; design to ASME B16.34

NPS	F.P	1 / 2	3 / 4	1	1' / 4	1' / 2	2
L(RF)、L1(BW)		264	273	308	349	384	450
L(RTJ)		264	273	308	352	387	454
D	Lift	12	15	20	28	32	40
	swing	10.5	13.5	18	24	29	36.5



CL2500

Pressure seal, Bolted bonnet, full port
Flange-or butt-welded ends; design to ASME B16.34

NPS	F.P	3 / 8	1 / 2	3 / 4	1	1' / 4	1' / 2	2
L(RF)、L1(BW)		—	264	273	308	349	384	450
L(RTJ)		—	264	273	308	352	387	454
D		—	12	15	20	32	28	40

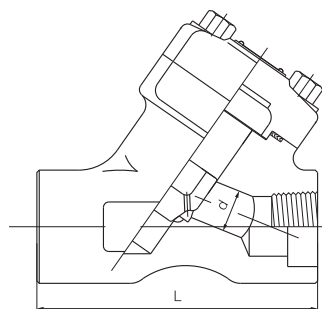
SHANGHAI YUANGAO VALVES INDUSTRY CO., LTD.

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Web: www.fhv-valves.com

Y Type Check Valve CL800-1500

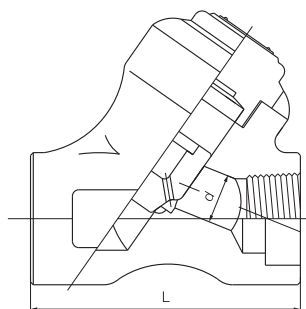


CL800

Bolted bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L		98	98	96	111	140	140	155	170	-
D		7	10	13	17.5	23	30	35	46	-

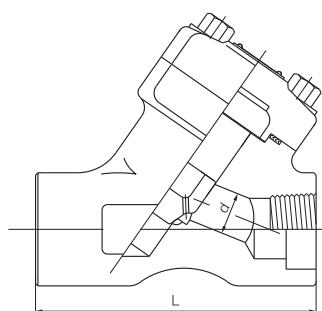


CL800

Welded bonnet, full port and reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

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
L		79	79	92	100	140	140	155	170	-
D		7	10	13	17.5	23	30	35	46	-

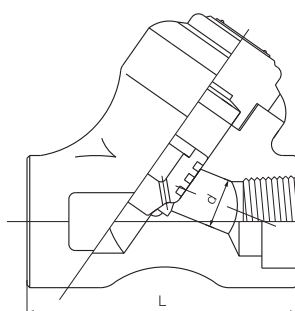


CL900-CL1500

Bolted bonnet, full port

Threaded, butt-welded or socket welded ends; design to BS5352

NPS	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		98	111	111	140	140	155	170	-
D		9	12	15	20	28	32	40	-



CL900-CL1500

Welded bonnet, full port

Threaded, butt-welded or socket welded ends; design to BS5352

NPS	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
L		92	100	100	140	140	155	170	-
D		9	12	15	20	32	28	40	-

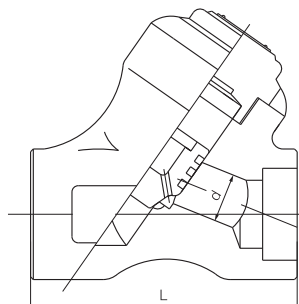
SHANGHAI YUANGAO VALVES INDUSTRY CO., LTD.

Tel: +86 21 60892656

Fax: +86 21 60892650

Web: www.fhv-valves.com

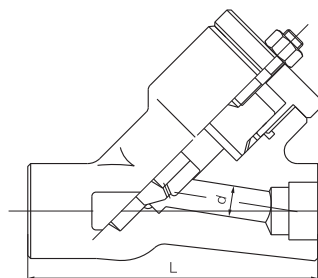
Y Type Check Valve CL2500-4500



CL2500

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

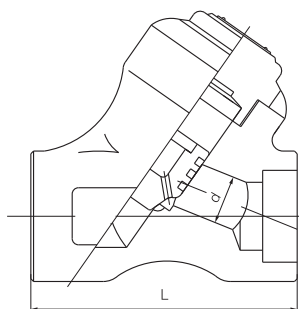
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		186	186	186	186	232	232	310
D		9	11	14	19	25	28	35



CL2500

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

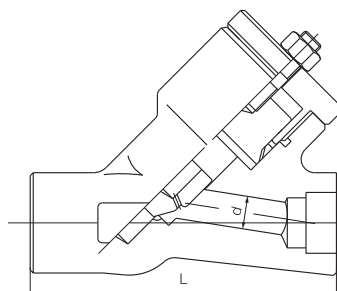
NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		186	186	186	186	232	232	310
D		9	11	14	19	25	28	35



CL4500

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

NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		156	155	155	155		225	225
D		9	11	11	15		26	28



CL4500

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

NPS	F.P	3 / 8	1 / 2	3 / 4	1	1 1/4	1 1/2	2
L		200	200	200	200	250	250	330
D		9	11	11	15	20	26	28