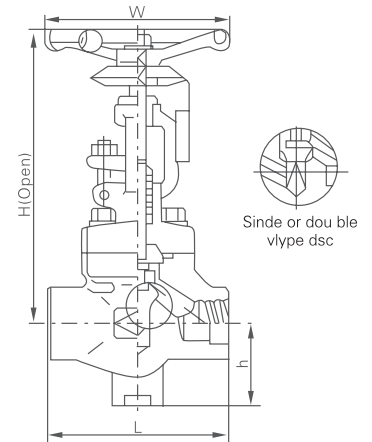


# Forged Steel globe Valves

## Linear regulating valves

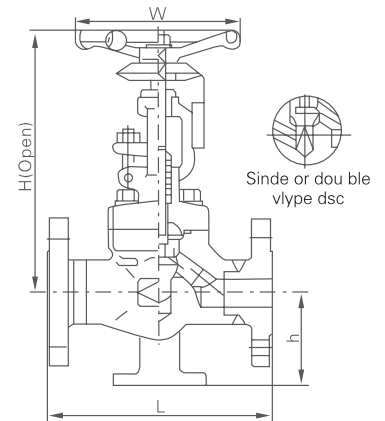
**CL800** Bolted bonnet, full port outside screw and yoke(OS & Y)  
Threaded butt-welded or socket welded ends; design to B5352

Specification(NPS)	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
Handwheel diameter	W	100	100	100	125	160	160	180	200
Height	H	166	166	171	207	240	258	330	355
Height (angle dimension)	SW&NPT(RC)	40	40	40	45	50	55	60	70
Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46
Weight(kg)		1.9	2.3	2.4	4.35	5.25	7.8	12.5	14.6
Flow coefficient Cv	Single disc	0.2	0.5	0.5	1.0	2.0	5.2	5.2	7.0
	Four part disc	0.4	1.0	1.0	2.0	4.0	10.4	10.4	14



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

Specification(NPS)	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Face to face L(RF) L1(BW)	CL150	-	-	108	118	127	-	165	203
	CL300	-	-	153	178	203	-	229	267
	CL600	-	-	165	191	216	-	241	292
Handwheel diameter	W	-	-	100	100	125	-	160	180
Height	H	-	-	164	200	220	-	295	350
Height (angle dimension)	SW&NPT(RC)	-	-	40	45	50	-	60	70
Flow port dimension	d	-	-	9.0	13	17.5	-	30	35
Weight(kg)	CL150	-	-	3.45	4.0	6.19	-	10.5	17
	CL300	-	-	3.8	5.1	7.2	-	13.5	19.7
	CL600	-	-	5.6	7.8	12.5	-	23.5	38.8
Flow coefficient Cv	Single disc	-	-	0.5	1.0	2.0	-	5.2	7.0
	Four part disc	-	-	1.0	2.0	4.0	-	10.4	14



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

## Regulating valves operation

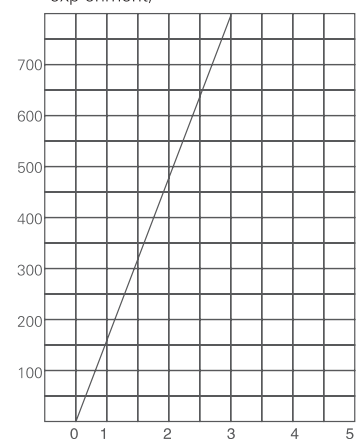
When valves full closed, disc and seat could be shut tightly.

When the disc is opened a little it allows media to flow acc.to a known quota.

When the disc is the middle of the full lifting height, medium flow can be reduced or increased according to control scale.

When disc in full open position, valves permit max flow to go through cs port, medium flow can be reduced or acc.to control scale.

Typical stream flow chart (from experiment)



# Forged Steel globe Valves

## Linear regulating valves

### Application standards

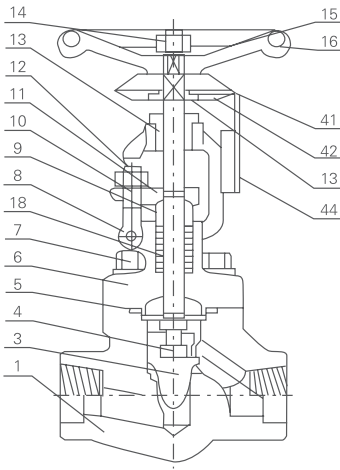
- Design and manufacture conform to BS5352 MSS SP-118
- Connection ends conform to:
  - Socket welded ends conform to ANSI B16.11;JB/T1751
  - Screw ends conform to ANSI B1.20.1;JB/T7306
  - Butt-welded ends conform to ANSI B16.25;JB/T12224
  - Flanged ends conform to ANSI B16.5;JB79
- Test and inspection conform to: API 598; GB/T13927; JB/T9092
- Structure features: Bolted bonnet, outside screw and yoke; Welded bonnet, outside screw and yoke  
Disc is one piece or V type double or four pieces.
- Materials conform to ANSI/ASTM
- Main materials: A105; LF2; F5; 304(L); 316(L); 316(L) F347;F321; F51; Monel; 20 Alloy.

### Carbon steel temperature-pressure rate

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

### Main part materials list

NO	Part name	A105/F6a	A105/F6aHFS	LF2/304	F11F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
3	Disc	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	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	304+ 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)	B8(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
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
41	Index plate	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
42	Lower plate	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
43	Back block	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
44	Indicative stem	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel



BangTai regulating valves is composed of combination valves and flow control staff gauge. Because equipped with micrometer graduation and finger, when operator turns the hand wheel around, the finger will move ten percent.

BangTai regulating valves are equipped with a regulating disc to ensure flow, so it can achieve accuracy control.

The seal facing of BangTai regulating valves is made of Stellite deposit, so the seal facing is more corrosion resistant, anti-abrasive, and abrasion resistant.

BangTai regulating valves are manually operated, with a linear flow regulating function and abrasion resistance.

If you want to equip it with a locking device, please note your BTL requirement.