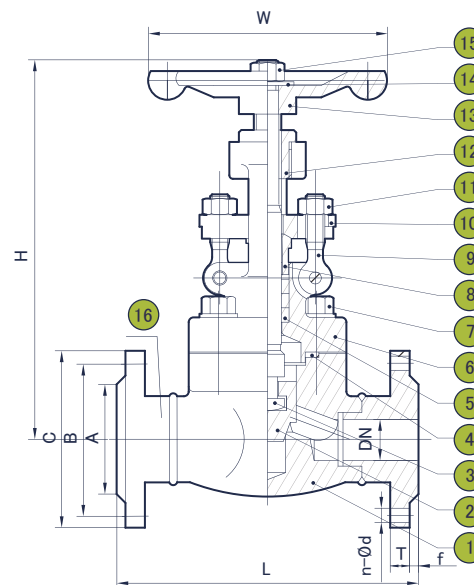


Forged Steel Globe Valves, Flanged End, CLASS 150/300/600 (PN 20/50/110)

Forged steel
globe valve

Features

- Flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10
- Meets API 602 required wall thickness / ASME B16.34
- Spiral wound gasket with 304 SS/graphite or 316 SS/graphite
- Loose disc
- Outside screw & yoke (OS&Y)
- Two-piece self-aligning gland
- Compact but sturdy designs for high pressure-temperature service
- Replacement of hand-wheel without affecting the position of disc



- Class 150 (PN 20)**
Standard Port
ASME CLASS 150: 285 psi@100°F
(19.7 bar@38°C)
- Class 300 (PN 50)**
Standard Port
ASME CLASS 300: 740 psi@100°F
(51.0 bar@38°C)
- Class 600 (PN 110)**
Standard Port
ASME CLASS 600: 1480 psi@100°F
(102.1 bar@38°C)



Globe Valve

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Component and Common Materials				
NO.	PARTS NAME	MATERIALS		
1	Body	A 105	A 182-F304	A 182-F316
2	Disc Ring	13Cr	A 182-F304+STL	A 182-F316+STL
3	Stem	A 276-410	A 182-F304	A 182-F316
4	Gasket	SS304 & Graphite	SS316 & Graphite	
5	Stem Packing	Reinforced Graphite		
6	Bonnet	A 105	A 182-F304	A 182-F316
7	Bonnet Bolt	A 193-B7		A 193-B8
8	Gland	A 276-410	A 182-F304	A 182-F316
9	Gland Eyebolt	A 193-B7		A 193-B8
10	Gland Flange	A 216-WCB	A 105	A 182-F304
11	Gland Nut	A 194-2H		A 194-B8
12	Stem Nut	A 108-1020		A 276-410
13	HandWheel	A 197		
14	Name Plate	Aluminum		
15	H.W.Lock Nut	A 194-2H		A 193-B8
16	Welded Flange	A 105	A 182-F304	A 182-F316

* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.

Selection

Connection:
Raised Face/Ring-Type Joint
OS&Y Type
Bolted Bonnet/Welded Bonnet
Material of the Body/Bonnet:
A105/F316/F316L/F304/F304L/F11/F22

Nominal diameter		mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L	D	mm(in)	10(0.39)	12.7(0.50)	17.5(0.69)	23(0.91)	28(1.10)	33(1.30)
	CL150	mm(in)	108(4.25)	117(4.61)	127(5.00)	140(5.51)	165(6.50)	203(7.99)
	CL300	mm(in)	152(5.98)	178(7.01)	203(7.99)	216(8.50)	229(9.02)	267(10.51)
H	CL600	mm(in)	165(6.50)	190(7.48)	216(8.50)	229(9.02)	241(9.49)	292(11.50)
	CL150	mm(in)	190(7.48)	195(7.68)	230(9.06)	245(9.65)	262(10.31)	300(11.81)
Weight	CL300-600	mm(in)	166(6.54)	175(6.89)	206(8.11)	228(8.89)	262(10.31)	300(11.81)
	W	mm(in)	100(3.94)	100(3.94)	125(4.92)	160(6.30)	160(6.30)	180(7.09)
Weight	CL150	kg	4	5.1	7.6	11	12.5	20.3
	CL300	kg	4.8	6.2	9.3	14	15.5	23.4
	CL600	kg	5.9	7.4	10.4	16.2	17.5	28.3

* Note that the raised-face (RF) flanged end connection is adopted while the pressure rating is under CLASS 600. Please ask your DIE ERSE sales for different requirements.