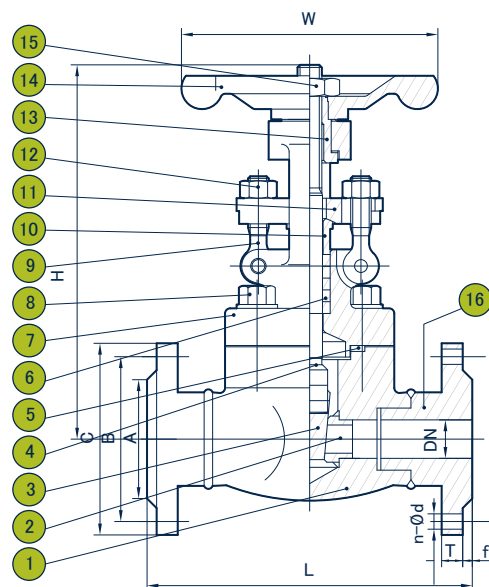


Features

- Flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10
- API 602 / ASME B16.34
- Spiral wound gasket with SS304 / graphite or SS316 / graphite
- Solid wedge
- Outside screw & yoke (OS&Y)
- Two-piece self-aligning gland
- Compact and sturdy designs for high pressure-temperature service
- Replacement of handwheel without affecting the gate position

Component and Common Materials				
NO.	PARTS NAME	MATERIALS		
2	Body	A 105	A 182-F304	A 182-F316
3	Seat Ring	13Cr	A 182-F304+STL	A 182-F316+STL
4	Wedge	13Cr	A 182-F304+STL	A 182-F316+STL
5	Stem	A 276-410	A 182-F304	A 182-F316
6	Gasket	SS304 & Graphite	SS316 & Graphite	
7	Stem Packing	Reinforced Graphite		
8	Bonnet	A 105	A 182-F304	A 182-F316
9	Bonnet Bolt	A 193-B7		A 193-B8
	Gland Eyebolt	A 193-B7		A 193-B8
10	Gland	A 276-410	A 182-F304	A 182-F316
11	Gland Flange	A 216 -WCB	A 105	A 182-F304
12	Gland Nut	A 194-2H		A 194-B8
13	Stem Nut	A 108-1020		A 267-410
14	Handwheel	A 197		
15	H.W. Luck 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.



- 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)



5

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)	
D		mm(in)	10(0.39)	12.7(0.5)	18(0.71)	23(0.91)	28.5(1.12)	36(1.41)	
	L	CL150	mm(in)	108(4.25)	117(4.61)	127(5)	140(5.51)	165(6.50)	178(7.01)
		CL300	mm(in)	140(5.51)	152(5.98)	165(6.50)	178(7.01)	190(7.48)	216(8.50)
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)	180(7.09)	182(7.17)	216(8.50)	240(9.45)	246(9.69)	283(11.14)	
W	CL300-600	mm(in)	166(6.54)	169(6.65)	193(7.60)	230(9.06)	246(9.69)	283(11.14)	
		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	5.1	8.2	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.