

Forged Steel Gate Valves, Flanged End, CLASS 150/300/600

Forged steel
gate valve

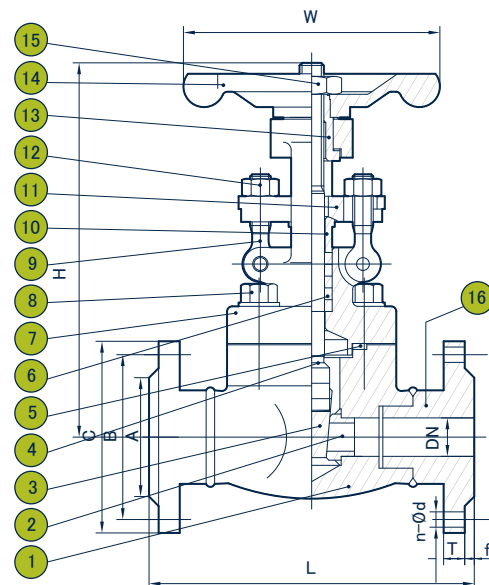


Features

- 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 PVS FLOW CONTROL directly.				

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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)

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(11/4)	40(11/2)	50(2)
L	D	mm(in)	10(0.39)	12.7(0.5)	18(0.71)	23(0.91)	28.5(1.12)	36(1.41)
	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)
Weight	CL300-600	mm(in)	166(6.54)	169(6.65)	193(7.60)	230(9.06)	246(9.69)	283(11.14)
	W	mm(in)	100(3.94)	100(3.94)	125(4.92)	160(6.30)	160(6.30)	180(7.09)
	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 PVS FLOW CONTROL sales for different requirements.