

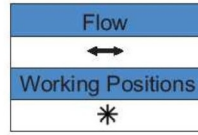
MODEL : GV-301 [Forged Steel Gate Valve]

Connection : Socked Weld, Screw Class 800, 1500, Flange ANSI 150, 300



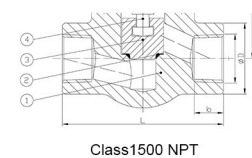
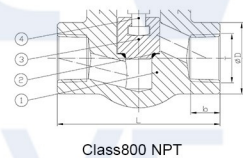
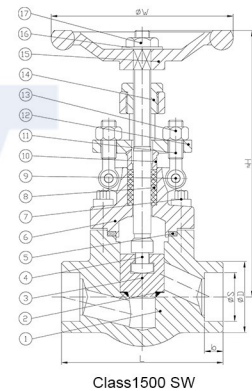
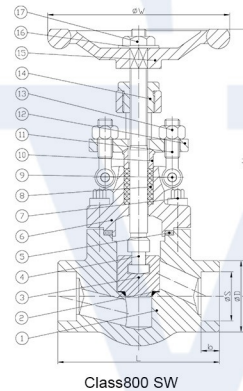
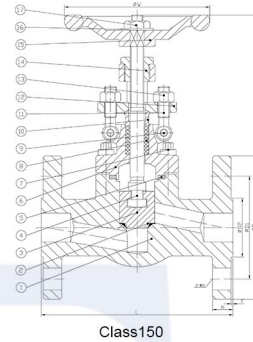
VTV VALVE, serving Multi-National end users in a wide range of applications in many industries including:

1. Palm Oil and Refinery Plant
2. Petrochemical
3. Power Plant
4. Oil & Gas Industries
5. Pulp and Paper Mill
6. Heating
7. Cooling System



DESIGN STRUCTURE AND FEATURE

1. Design and manufacture: ANSI B16.34;API 602;BS5352
2. Ends connection
 - SW dimension;ANSI B16.11;JIS B2306
 - Screwed dimension;ANSI B1.20.1 BS21; ISO7/1;JIS B0203
3. Valve inspection and test:API 598
4. Material according to AISI/ASTM
5. Body Material: A105;F5;F11;F22;304L;316;316L;LF2
6. Mark: MSS-SP-25



STRUCTURE AND FEATURE

1. Full Bore or Reduced Bore
2. Outside screwed and yoke
3. Bushing type
4. Bolted, fully welded and pressure-in bonnet
5. Integral backseat

APPLIED NORM

1. Design and manufacture: API 602;
2. Ends Connection
 - SW Dimension: ASME B16.11; JB/T1751
 - Screwed Dimension: ANSI B1.20.1; JBFF73.8
 - BW dimension; ANSI B16.28; JB/T 12224
 - Flange dimension; ANSI B16; JB79
3. Structural feature: B.B or W.B; OS&Y, or Welded Bonnet (W.B) and Outside OS&Y
4. Body material; A105; LF2; F11; F22; F304; F316; F321; F51; Monel; 20#alloy
5. Valve inspection and test according to API 598 ; GBFF 13927; JBFF 9092

MATERIAL LIST

No.	Parts	Material
1	Body	ASTM A105N
2	Wedge	ASTM A182 F6a
3	Seat Rings	ASTM A276 410
4	Stem	ASTM A182 F6a
5	Gasket	SS304 Spiral with Graphite Filler
6	Bonnet	ASTM A105N
7	Bonnet Bolt	ASTM A193 B7
8	Gland Packing	Graphite + Fiber
9	Pin	Carbon steel
10	Gland	ASTM A276 410
11	Gland eyebolt	ASTM A193 B7
12	Gland Flange	ASTM A105
13	Gland Nut	ASTM A194 SH
14	Stem nut	ASTM A276 410
15	Handwheel	Ductile Iron
16	H.W. Lock Nut	Carbon Steel
17	Nameplate	SS304
18	Lubricated Gasket	ASTM A276 410

DIMENSIONS (mm)

SIZE	Dimension (mm) 150Lb								
	L	D	D1	D2	b-f	H	w	Z x Ø d	Weight
1/2"	108	90	60.5	35	11.5 - 2.0	164	100	4 x Ø 16	3.3
3/4"	117	100	70	43	13 - 2.0	164	100	4 x Ø 16	3.9
1"	127	110	79.5	51	14.5 - 2.0	209	125	4 x Ø 16	6
1-1/4"	140	115	89	65.5	16 - 2.0	228	160	4 x Ø 16	7.7
1-1/2"	165	125	98.5	73	17.5 - 2.0	253	160	4 x Ø 16	10.2
2"	178	150	120.5	92	19.5 - 2.0	286	180	4 x Ø 19	13.8

Class	NPS	L	b (SW)	b (NPT)	D	S (SW)	T (NPT)	H	W	Weight (Kg)
800	1/2	79	10	16	34	21.8	1/2	164	100	2
	3/4	92	13	18	38	27.2	3/4	164	100	2.1
	1	111	13	20	50	33.9	1	209	125	3.5
	1-1/4	120	13	22	58	42.6	1-1/4	228	160	5.3
	1-1/2	120	13	22	64	48.8	1-1/2	253	160	5.5
2	140	16	24	78	61.2	2	286	180	8.7	

Class	NPS	L	b (SW)	b (NPT)	D	S (SW)	T (NPT)	H	W	Weight (Kg)
1500	1/2	111	10	16	49	21.8	1/2	202	125	3.7
	3/4	111	13	18	49	27.2	3/4	202	125	3.9
	1	120	13	20	58	33.9	1	228	160	5.3
	1-1/4	120	13	22	64	42.6	1-1/4	253	160	5.5
	1-1/2	140	13	22	78	48.8	1-1/2	286	180	8.7
2	178	16	24	82	61.2	2	330	200	16.9	