

Forged Steel Gate Valve



Our Forged range of Gate, Globe and Check Valves incorporates state of the art design features to provide a rugged construction, reliable operation and long life; suitable for all the segments of the process industries including petrochemicals, pharma, steel, alumina, power plants and common utilities.

Special Features:

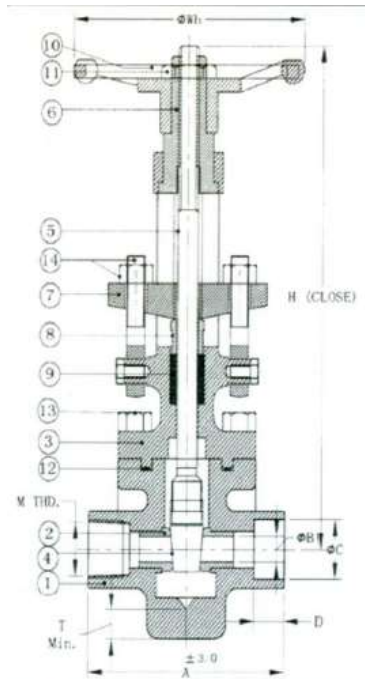
1. Body and Bonnet made from High Quality Forging
2. The Forgings are precision machined for high performance
3. Leak Proof Body-Bonnet Joint with Spiral Wound Gasket.
4. Ground Finish Stem. Self-Aligning two-piece gland.
5. Back seating feature facilities repacking of the stuffing box on line with the valve in fully open position.

Applications

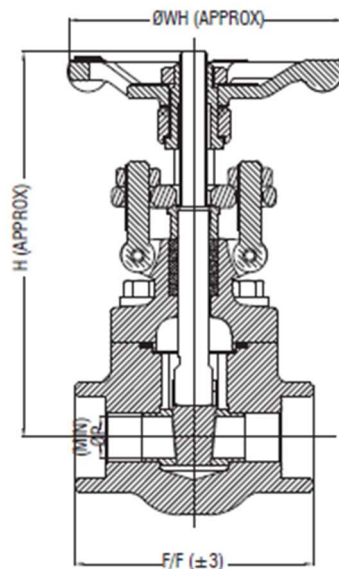
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| <ul style="list-style-type: none"> • Steam Service • Oil & Gas • Petrochemicals • Power Plants • Chemical Fertilizers • Sugar & Distillation | <ul style="list-style-type: none"> • Metal & Mining • Paper & Pulp • Water & Waste Water • Textile & Tannery • Food & Pharmaceuticals |
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Technical Data

- Design Standard: API 602/ISO 15761/ASME B16.34
- Testing Standard: API 598
- Face to Face Standard: Manufacturer's Standard
- Socket Weld Standard: ASME B16.11
- Screwed End Standard: ASME B1.20.1
- Butt Weld Standard: ASME B16.25
- Flange End Standard: ASME B16.5



Part No.	DESCRIPTION	MATERIAL
01	BODY	ASTM A105
02	SEAT RING	AISI 410 + STELLITED
03	BONNET	ASTM A105
04	WEDGE	ANSI 410 + STELLITED
05	STEM	ANSI 410 + (HARDENED)
06	YOKE SLEEVE	EN 1A / CARBON STEEL
07	GLAND FLANGE	ASTM A105 / CARBON STEEL
08	GLAND BUSH	ANSI 410
09	GLAND PACKING	IN COIL WIRE REINFORCED ASBESTOS
10	HAND WHEEL	ASTM A 105
11	HAND WHEEL LOCK NUT	CARBON STEEL
12	GASKET (FLAT)	SS-304 SPIRAL WOUND WITH CAF
13	BOLT	ASTM A 193 Gr. B7
14	EYE BOLT & NUT	CARBON STEEL



BOLTED DESIGN

DIMENSION DETAILS (MM)

800#	15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")
F/F	73	80	100	120	120	130
ΦP	9.5	12.7	17.5	23.8	28.6	36.5
H OPEN	151	157	186	237	237	268
H CLOSE	135	137	162	201	201	223
ΦWh	86	86	116	150	150	150
Approx. Weight (kg)	1.5	1.8	3.1	6.3	6.1	8.3

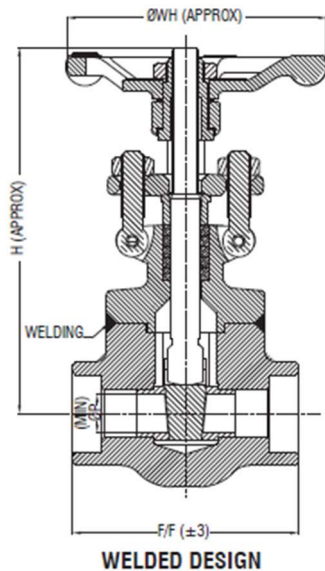
* In process of continuous improvement of products, the data given herein is subject to change.

DIMENSION DETAILS (MM)

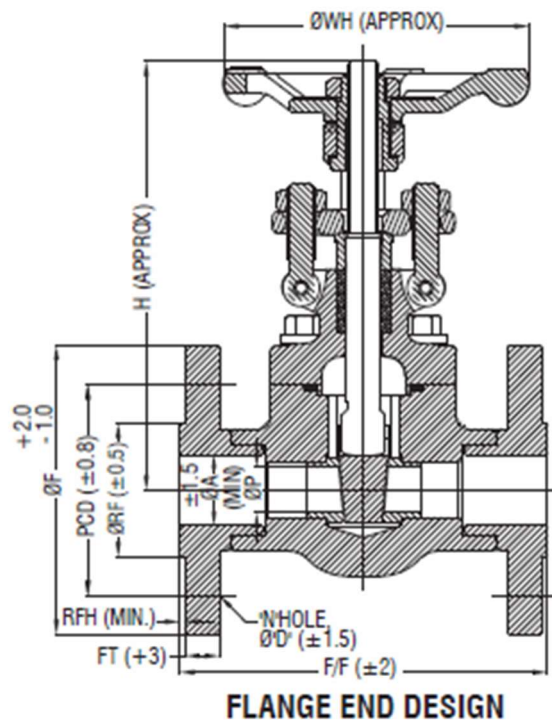
1500#	15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")
F/F	80	100	120	120	130	140
ΦP	9.5	12.7	15.9	22.2	27	34.9
H OPEN	151	178	227	227	256	303
H CLOSE	138	162	207	207	224	263
ΦWh	86	116	150	150	150	225
Approx. Weight (kg)	1.7	2.9	6.1	5.9	8.5	13.9

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DIMENSION DETAILS (MM)



2500#	15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")
F/F	100	120	130	140	140	-
ΦP	7	12.5	15.5	21.5	26.5	-
H OPEN	187	224	261	318	290	-
H CLOSE	174	204	239	290	290	-
ΦWh	116	150	150	225	225	-
Approx. Weight (kg)	2.9	6.1	8.5	14	13.9	-





VTZ VALVES AND AUTOMATION

(An ISO 9001:2015 Certified Company)

DIMENSION DETAILS (MM)

150#	15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")
F/F	108	117	127	140	165	178
ΦP	9.5	12.7	17.5	23.8	28.6	36.5
ΦA	15.7	20.9	26.7	35	40.9	52.5
ΦF	90	100	110	115	125	150
FT	9.6	11.2	12.7	14.3	15.9	17.5
ΦRF	34.9	42.9	50.8	63.5	73	92.1
RFH	1.7	1.7	1.7	1.7	1.7	1.7
PCD	60.3	69.9	79.4	88.9	98.4	120.7
Approx Weight (Kg)	2.3	2.9	4.6	8.6	8.5	14

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*Flanged End Valve available in #300, #600 & Above Class on Request

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