



T. S. PUMPS AND VALVES PVT. LTD.

FORGED STEEL GATE, GLOBE & CHECK VALVES

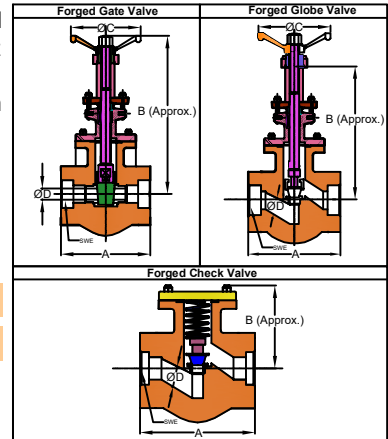
CLASS: 800 & 1500

Features



These compact OS & Y type, bolted bonnet, rising stem with renewable - seat ring valves, check valves are spring loaded disc valves with most advanced design features, provide the ultimate in reliability

DESIGN STD : BS EN ISO 15761
TESTING STD : API-598, BS EN 12266-1



Test Pressure in Bar

		800	1500
Hydro Test	Shell	211	392
	Seat/ Back Seat	152	287
Air Test	Seat	07	07

Class - 800

Size	A	ØD		GATE B (OPEN)		GLOBE B (OPEN)		CHECK B		ØD		GATE WT*		GLOBE WT*		CHECK WT*			
		SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB		
15	1/2	88	88	12.7	9.5	162	162	166	166	54	54	100	100	2.65	2.40	2.80	2.60	2.03	1.62
20	3/4	106	92	18	12.7	188	171	192	177	72	66	100	100	3.45	2.65	3.65	2.80	2.67	2.03
25	1	128	106	24	18	208	188	262	192	102	72	150	100	8	3.45	8.35	3.65	6.20	2.67
40	1 1/2	140	128	36	30	280	208	276	262	108	102	150	150	10	8	10.6	8.35	8.90	6.20
50	2	---	140	---	36	---	280	---	276	---	108	---	150	---	10	---	10.60	---	8.90

SB =Standard Bore RB =Reduced Bore

Class - 1500

Size	mm	in	A	ØD	GATE B (OPEN)	GLOBE B (OPEN)	CHECK B	ØC	GATE WT*	GLOBE WT*	CHECK WT*
20	3/4	106	15.0	207	226	72	110	4.00	4.20	2.95	
25	1	128	19.5	234	254	102	170	9.80	10.30	6.75	
40	1 1/2	140	32.0	277	296	112	170	13.60	14.25	9.60	

All Dimensions are in "mm"

MATERIALS

Body, Bonnet, Gland flange & Cover	ASTM A 105 / ASTM A 182 Gr. F304 / F316
Wedge / Plug	ASTM A 217 Gr. CA 15 / ASTM A351 Gr. CF8 / CF8M
Disc / Seating / Stem & Gland	ASTM A 276 TYPE 410 / 304 / 316
Yoke Sleeve	SGI
Packing	Grafoil
Gasket	Spiral Wound 304 / 316 Grafoil
Spring	SS 316
Stud / Nut	ASTM A 193 Gr. B7 / ASTM A 194 Gr. 2H
Hand wheel	MI
Surface Protection for Carbon Steel Valves	Cold Phosphating - Blackened

NOTE:

- *Net Wt in Kg. approx. (without obligation).
- Please specify flow medium, working pressure, temperature & Service conditions.
- Other materials not mentioned above & higher sizes are available on request
- Stellited seating and Wedge/ Plug/ Disc standard for class 1500 valves and available on request for class 800 valves.
- Face to Face as per Manufacturer Standard.
- End Connections of Socket Weld End as per ASME B 16.11, Screwed End as per ASME B 1.20.1 (NPT) & BS 21 (BSP & BSPT)
- Butt-Weld End to ASME B 16.25
- Ring Joint, Large or Small tongue & Groove flanges on weld on flanges are available on request.
- Valves can be supplied with IBR, Locking Arrangement
- In process of continuous improvement of products, the data given here in is subject to change

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