

FORGED STEEL VALVES

DOUGLAS CHERO SpA
dc FORGED VALVES





Bellows seal GATE VALVES - 800 - Bolted bonnet - Sw/Npt

Ratings (ASTM A105)

800 p.s.i. @ 850 F
1440 p.s.i. @ 100 F

Test pressure (ASTM A105)

Hydraulic: (minimum)

Body - 2180 p.s.i.
Seat - 1495 p.s.i.

Air under water:

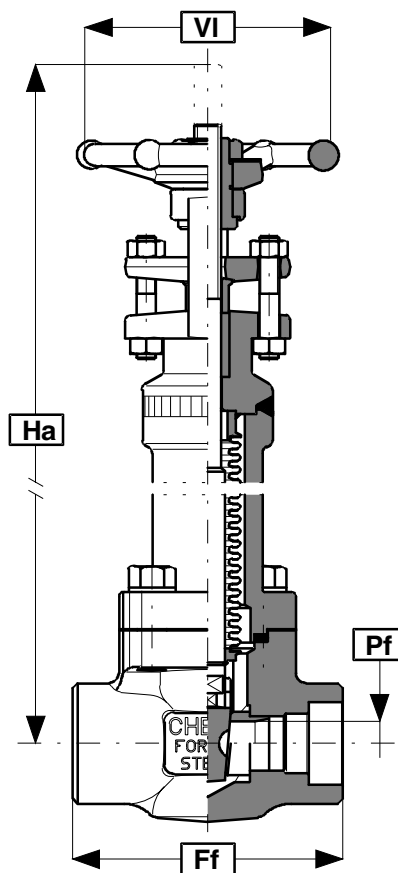
Seat - 85 p.s.i.

Standards

Construction BS 5352
Socket weld ASME B16.11
Threaded ASME B1.20.1
Test BS 6755 (Pt.1)

Connections (xx)

SW	Socket weld	B8	Butt weld 80
TH	Threaded NPT		
TS	Sw/NPT		
SE	Sw(e)/NPT		
SU	Sw(u)/NPT		
B4	Butt weld 40		



REDUCED BORE

			1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Ff (mm/in)			80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	130 5,12
Ha (mm/in)			256 10,08	267 10,51	300 11,81	344 13,54	421 16,57	433 17,05
VI (mm/in)			90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51
Pf (mm/in)			10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44
Wt. (kg/lb)			3,0 6,6	3,4 7,5	5,3 11,7	7,7 16,9	11,0 24,2	14,2 31,2
Catal. no.			SR252B/xx	SR253B/xx	SR254B/xx	SR255B/xx	SR256B/xx	SR257B/xx

FULL BORE

	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Ff (mm/in)	80 3,15	80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	130 5,12	150 5,91
Ha (mm/in)	256 10,08	256 10,08	267 10,51	300 11,81	344 13,54	421 16,57	433 17,05	560 22,05
VI (mm/in)	90 3,54	90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51	200 7,87
Pf (mm/in)	8,5 0,33	10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44	48 1,89
Wt. (kg/lb)	3,0 6,6	3,0 6,6	3,4 7,5	5,3 11,7	7,7 17,1	11,0 24,4	14,2 31,2	25,0 55,0
Catal. no.	SF210B/xx	SF211B/xx	SF212B/xx	SF213B/xx	SF214B/xx	SF215B/xx	SF216B/xx	SF217B/xx

1) Standard and alternative valve materials on page 67, type D
2) Complete Pressure-Temperature ratings on page 68, 69, 70, 71, 72
3) SW & NPT dimensions on page 73

4) On request flanged ends can be supplied; body dimensions on page 5,6,7