

FORGED STEEL VALVES

DOUGLAS CHERO SpA
dc FORGED VALVES





GATE VALVES - 800 - Bolted bonnet - Sw/Npt/Bw

Ratings (ASTM A105)

800 p.s.i. @ 850°F
1975 p.s.i. @ 100°F

Test pressure (ASTM A105)

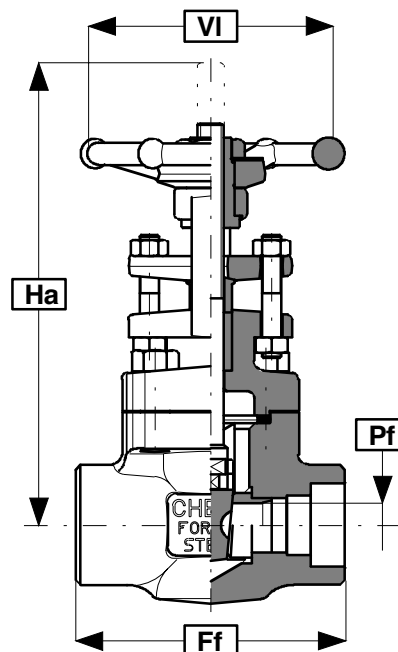
Hydraulic:(minimum)
Body - 3000 p.s.i.
Seat - 2175 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction API 602, BS 5352
Socket weld ASME B16.11
Threaded ASME B1.20.1
Butt weld ASME B16.25
Test API 598-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	



CONVENTIONAL 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)			145 5,70	156 6,14	186 7,32	216 8,50	255 10,04	273 10,75
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 0,95	31 1,22	36,5 1,44
Wt. (kg/lb)			1,7 3,74	2,1 4,62	3,3 7,3	5,2 11,4	7,0 15,4	9,1 20,0
Catal. no.			R252/xx	R253/xx	R254/xx	R255/xx	R256/xx	R257/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)	143 5,63	145 5,71	156 6,14	186 7,32	216 8,50	255 10,04	273 10,75	334 13,15
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)	1,8 4,0	1,8 4,0	2,2 4,8	3,4 7,5	5,3 11,7	7,1 15,6	9,2 20,2	14,2 31,2
Catal. no.	F210/xx	F211/xx	F212/xx	F213/xx	F214/xx	F215/xx	F216/xx	F217/xx

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