

FORGED STEEL VALVES

DOUGLAS CHERO SpA
dc FORGED VALVES





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

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:

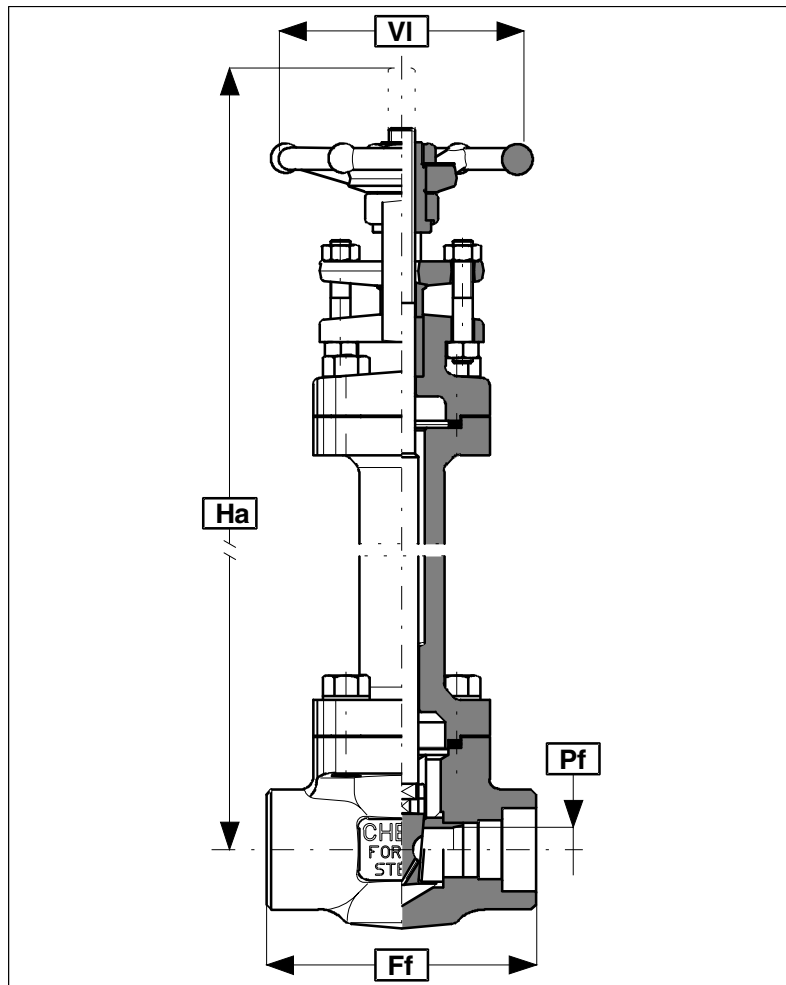
Seat - 85 p.s.i.

Standards

Construction founded on API 602, BS 5352
Socket weld ASME B16.11
Threaded ASME B1.20.1
Test founded on 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)			333 13,11	367 14,45	406 15,98	463 18,23	508 20,00	534 21,02
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)			3,1 6,8	3,6 7,9	5,7 12,5	8,8 19,4	11,7 25,7	14,4 31,7
Catal. no.			CR252B/xx	CR253B/xx	CR254B/xx	CR255B/xx	CR256B/xx	CR257B/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)	333 13,11	333 13,11	367 14,45	406 15,98	463 18,23	508 20,00	534 21,02	658 25,91
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)	9 0,35	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)	3,1 6,8	3,1 6,8	3,6 7,9	5,7 12,5	8,8 19,4	11,7 25,7	14,4 31,7	22,2 49,0
Catal. no.	CF210B/xx	CF211B/xx	CF212B/xx	CF213B/xx	CF214B/xx	CF215B/xx	CF216B/xx	CF217B/xx

1) Standard and alternative valve materials on page 67, type C
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
5) For Ha Length in according to customer desire extension should be welded