

FORGED STEEL VALVES

DOUGLAS CHERO SpA
dc FORGED VALVES



Ratings (ASTM A105)

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

Test pressure (ASTM A105)

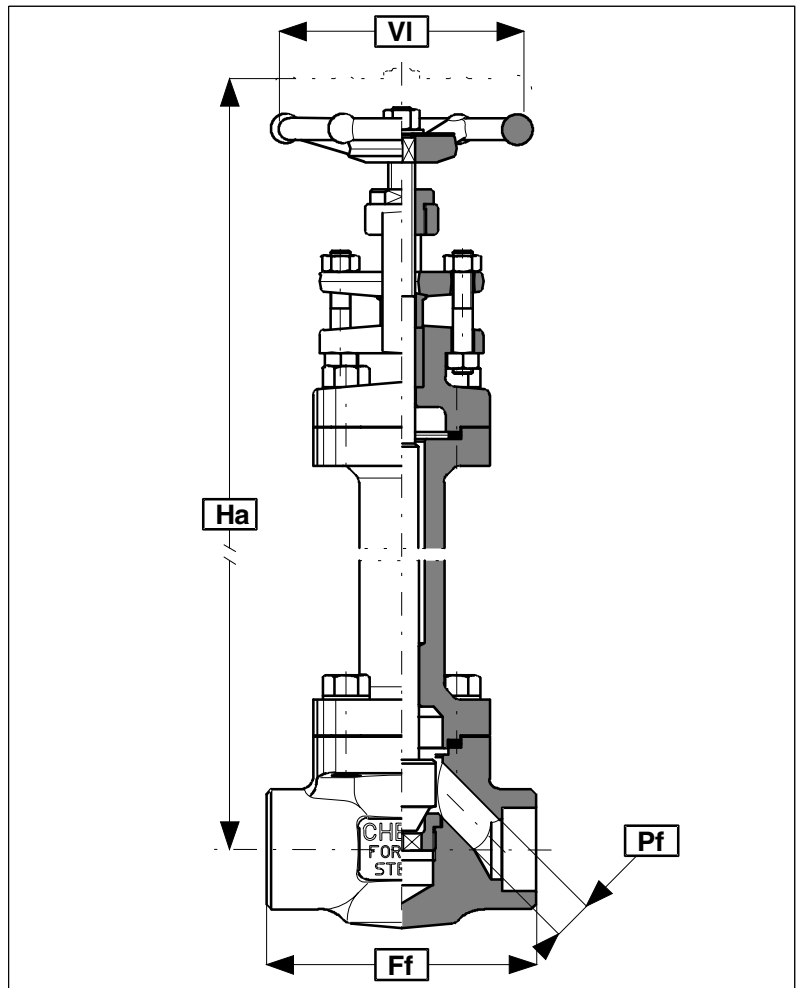
Hydraulic: (minimum)
Body - 3000 p.s.i.
Seat - 2175 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

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

Connections (xx)

SW Socket weld	B8 Butt weld 80
TH Threaded NPT	
TS Sw/NPT	
SE Sw (in)/NPT	
SU Sw (out)/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	155 6,10	170 6,69
Ha (mm/in)			333 13,11	365 14,37	401 15,79	462 18,19	507 19,96	531 20,91
VI (mm/in)			90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51
Pf (mm/in)			9 0,35	12 0,47	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26
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.			CR352B/xx	CR353B/xx	CR354B/xx	CR355B/xx	CR356B/xx	CR357B/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	155 6,10	170 6,69	210 8,27
Ha (mm/in)	333 13,11	333 13,11	365 14,37	401 15,79	462 18,19	507 19,96	531 20,91	637 25,08
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)	6,5 0,26	9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26	40 ⁽⁶⁾ 1,57
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.	CF310B/xx	CF311B/xx	CF312B/xx	CF313B/xx	CF314B/xx	CF315B/xx	CF316B/xx	CF317B/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) Pf = 29,5 with integral stellited seat

5) Pf = 35 with integral stellited seat
6) Pf = 45 with integral stellited seat
7) On request flanged ends can be supplied; body dimensions on page 10,11,12
8) For Ha Length in according to customer desire extension should be welded