

FORGED STEEL VALVES

DOUGLAS CHERO SpA
dc FORGED VALVES





Bellows seal GLOBE 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:

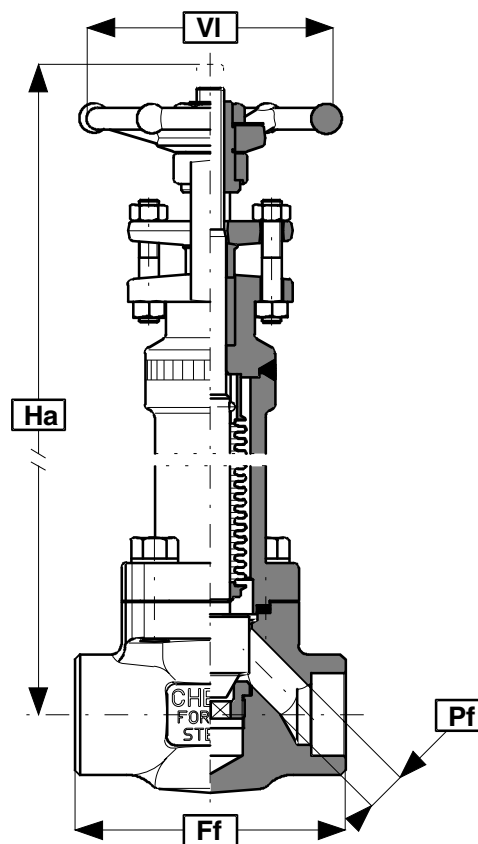
Seat - 85 p.s.i.

Standards

Construction BS 5253
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 (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)			234 9,21	243 9,56	290 11,41	320 12,59	363 14,29	389 15,31
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	12,5 0,49	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26
Wt. (kg/lb)			2,5 5,5	2,8 6,2	5,2 11,4	7,5 16,5	11,4 25,1	15,4 33,9
Catal. no.			SR352B/xx	SR353B/xx	SR354B/xx	SR355B/xx	SR356B/xx	SR357B/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)	234 9,21	234 9,21	243 9,56	290 11,41	320 13,04	363 14,29	389 15,31	442 17,40
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 0,24	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)	2,6 5,7	2,6 5,7	2,9 6,4	5,3 11,7	7,6 16,7	11,5 25,3	15,5 34,1	23,4 51,5
Catal. no.	SF310B/xx	SF311B/xx	SF312B/xx	SF313B/xx	SF314B/xx	SF315B/xx	SF316B/xx	SF317B/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) 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