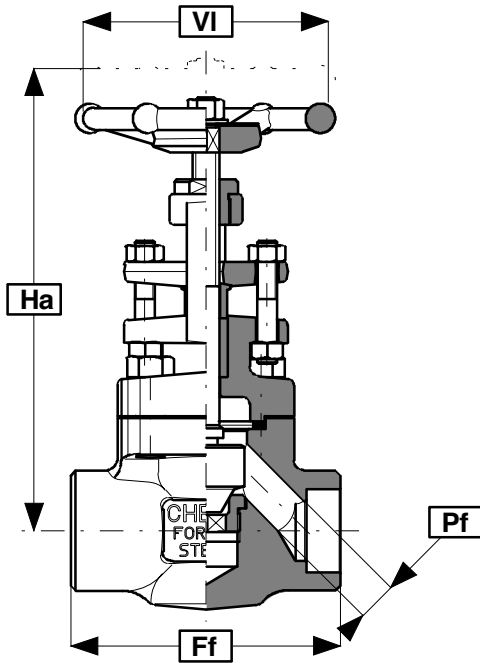


# FORGED STEEL VALVES

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**

<b>Construction</b>	BS 5352
<b>Socket weld</b>	ASME B16.11
<b>Threaded</b>	ASME B1.20.1
<b>Butt weld</b>	ASME B16.25
<b>Test</b>	BS 6755 (Pt.1)

**Connections (xx)**

<b>SW</b> Socket weld	<b>B8</b> Butt weld 80
<b>TS</b> SW/NPT	
<b>TH</b> Threaded NPT	
<b>SE</b> SW (in)/NPT	
<b>SU</b> SW (out)/NPT	
<b>B4</b> Butt weld 40	

**REDUCED BORE**

			1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
<b>Ff (mm/in)</b>			80 3,15	90 3,54	110 4,33	127 5,00	155 6,10	170 6,69
<b>Ha (mm/in)</b>			152 5,98	159 6,26	182 7,17	214 8,43	283 11,14	306 12,05
<b>VI (mm/in)</b>			90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51
<b>Pf (mm/in)</b>			9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 <sup>(4)</sup> 1,10	32 <sup>(5)</sup> 1,26
<b>Wt. (kg/lb)</b>			1,7 3,7	2 4,4	3,2 7,0	5,3 11,7	7,8 17,2	10,6 23,3
<b>Catal. no.</b>			R352/xx	R353/xx	R354/xx	R355/xx	R356/xx	R357/xx

**FULL BORE**

	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
<b>Ff (mm/in)</b>	80 3,15	80 3,15	90 3,54	110 4,33	127 5,00	155 6,10	170 6,69	210 8,27
<b>Ha (mm/in)</b>	150 5,91	152 5,98	159 6,26	182 7,17	214 8,43	283 11,14	306 12,05	327 12,87
<b>VI (mm/in)</b>	90 3,54	90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51	200 7,87
<b>Pf (mm/in)</b>	6 0,24	9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 <sup>(4)</sup> 1,10	32 <sup>(5)</sup> 1,26	40 <sup>(6)</sup> 1,57
<b>Wt. (kg/lb)</b>	1,8 4,0	1,8 4,0	2,1 4,6	3,3 7,3	5,4 11,9	7,9 17,4	10,7 23,5	16 35,2
<b>Catal. no.</b>	F310/xx	F311/xx	F312/xx	F313/xx	F314/xx	F315/xx	F316/xx	F317/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

4) Pf = 29,5 with integral stellited seat  
 5) Pf = 35 with integral stellited seat  
 6) Pf = 45 with integral stellited seat