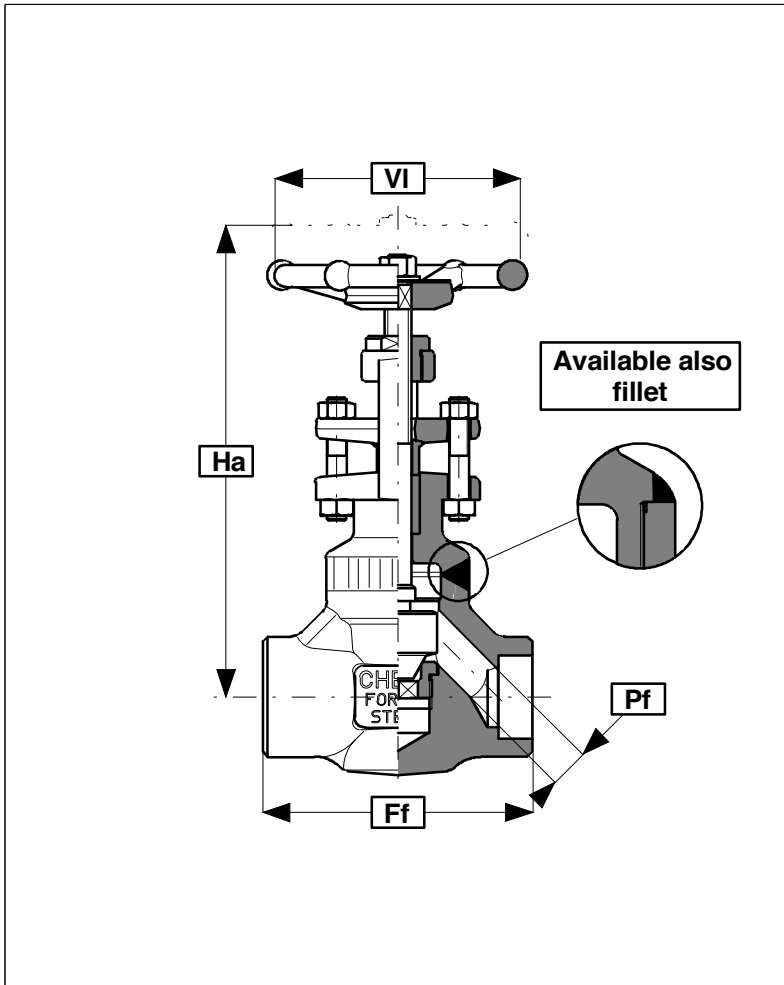


# FORGED STEEL VALVES

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>			153 6,02	158 6,22	179 7,05	220 8,66	250 9,84	274 10,79
<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>			1,4 3,1	1,6 3,5	3 6,6	4,8 10,6	6,8 15,0	9,4 20,7
<b>Catal. no.</b>			R352WB/xx	R353WB/xx	R354WB/xx	R355WB/xx	R356WB/xx	R357WB/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	153 6,02	158 6,22	179 7,05	220 8,66	250 9,84	274 10,79	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>	6,5 0,26	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	38 <sup>(6)</sup> 1,50
<b>Wt. (kg/lb)</b>	1,4 3,1	1,4 3,1	1,6 3,5	3,0 6,6	4,8 10,7	6,8 15,0	9,4 20,7	14,6 32,1
<b>Catal. no.</b>	F310WB/xx	F311WB/xx	F312WB/xx	F313WB/xx	F314WB/xx	F315WB/xx	F316WB/xx	F317WB/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 = 42 with integral stellited seat