

# FORGED STEEL VALVES

DOUGLAS CHERO SpA  
**dc** FORGED VALVES



**Ratings (ASTM A105)**

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

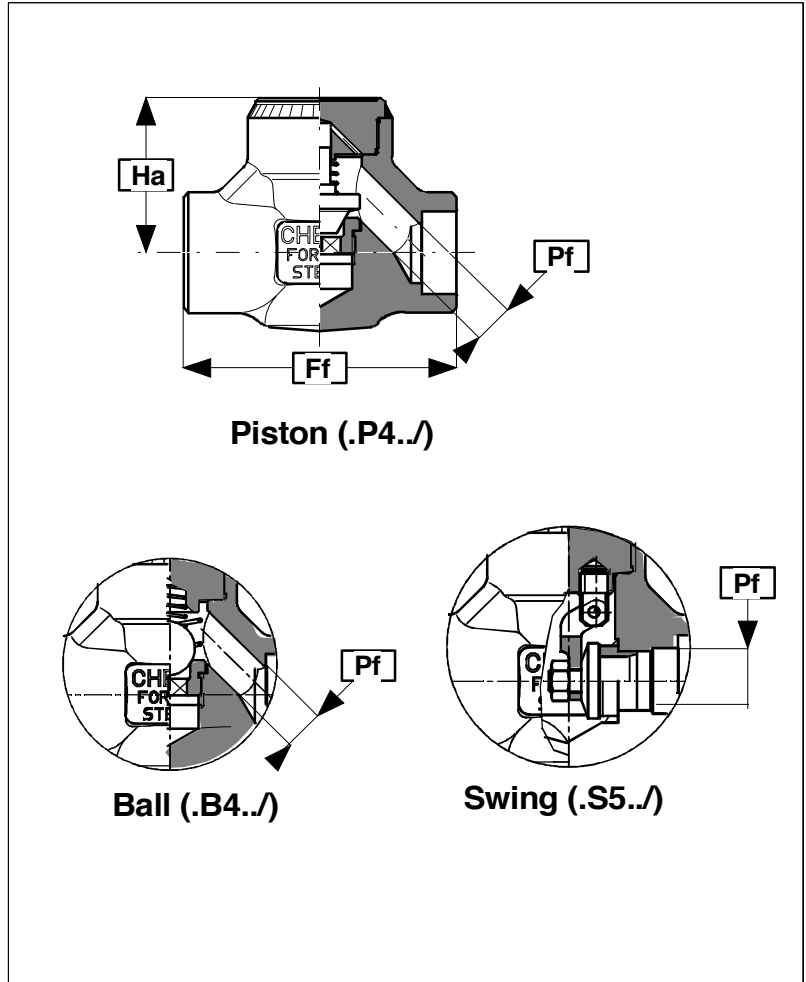
**Test pressure (ASTM A105)**
**Hydraulic:(minimum)**  
 Body - 3000 p.s.i.  
 Seat - 2175 p.s.i.  
**Air under water:**  
 not applicable

**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>TH</b> Threaded NPT	
<b>TS</b> Sw/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>			48 1,89	51 2,01	63 2,48	71 2,80	86 3,39	99 3,90
<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>			0,8 1,8	1,1 2,4	2,0 4,4	3,3 7,3	4,9 10,8	7,3 16,1
<b>Catal. no.</b>			Rtt452WC/xx	Rtt453WC/xx	Rtt454WC/xx	Rtt455WC/xx	Rtt456WC/xx	Rtt457WC/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>	48 1,89	48 1,89	51 2,01	63 2,48	71 2,80	86 3,39	99 3,90	121 4,76
<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>	0,8 1,8	0,8 1,8	1,1 2,4	2,0 4,4	3,3 7,3	4,9 10,8	7,3 16,1	11,9 26,2
<b>Catal. no.</b>	Ftt410WC/xx	Ftt411WC/xx	Ftt412WC/xx	Ftt413WC/xx	Ftt414WC/xx	Ftt415WC/xx	Ftt416WC/xx	Ftt417WC/xx

1) Standard and alternative valve materials on page 67, type B  
 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