

# FORGED STEEL VALVES

DOUGLAS CHERO SpA  
**dc** FORGED VALVES





# GATE VALVES - 800 - Welded bonnet - Sw/Npt/Bw

## Ratings (ASTM A105)

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

## Test pressure (ASTM A105)

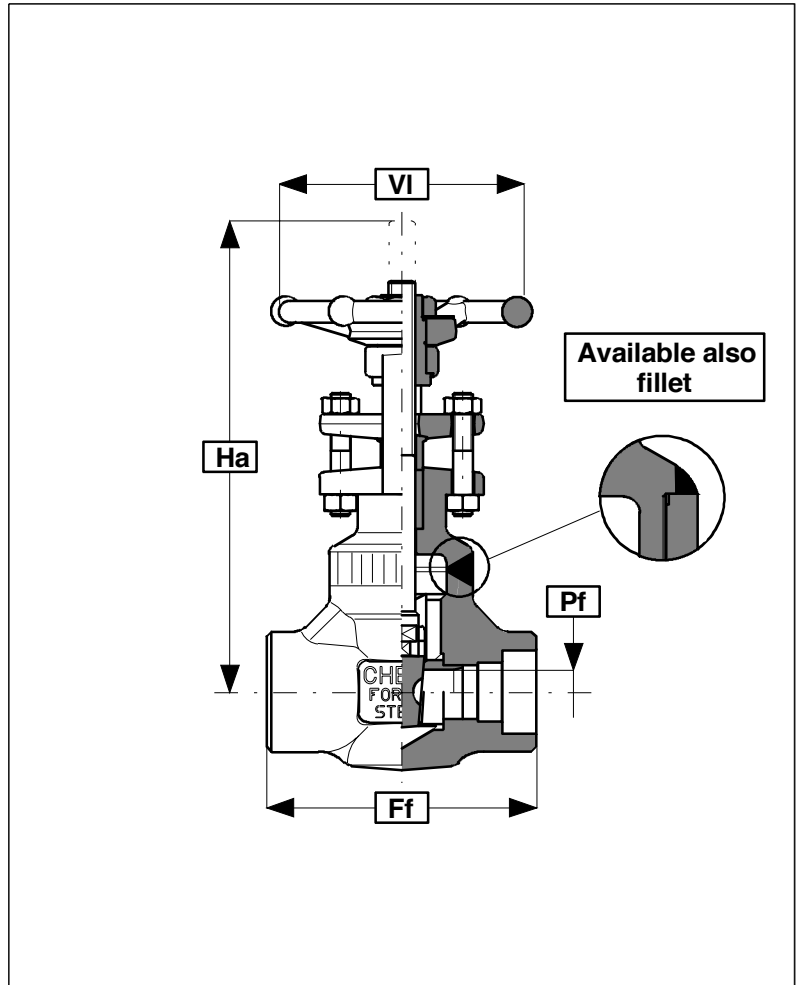
**Hydraulic:** (minimum)  
Body - 3000 p.s.i.  
Seat - 2175 p.s.i.  
**Air under water:**  
Seat - 85 p.s.i.

## Standards

**Construction** API 602, BS 5352  
**Socket weld** ASME B16.11  
**Threaded** ASME B1.20.1  
**Butt weld** ASME B16.25  
**Test** API 598-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(e)/NPT	
<b>SU</b> Sw(u)/NPT	
<b>B4</b> Butt weld 40	



CONVENTIONAL 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	127 5,00	130 5,12
<b>Ha (mm/in)</b>			150 5,91	157 6,18	188 7,40	220 8,66	248 9,76	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>			10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44
<b>Wt. (kg/lb)</b>			1,4 3,1	1,7 3,7	2,8 6,2	4,4 9,7	5,6 12,3	7,6 16,7
<b>Catal. no.</b>			R252WB/xx	R253WB/xx	R254WB/xx	R255WB/xx	R256WB/xx	R257WB/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	127 5,00	130 5,12	150 5,91
<b>Ha (mm/in)</b>	150 5,91	150 5,91	157 6,18	188 7,40	220 8,66	248 9,76	274 10,79	334 13,15
<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>	8,5 0,33	10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44	48 1,9
<b>Wt. (kg/lb)</b>	1,5 3,3	1,5 3,3	1,8 4,0	2,9 6,4	4,5 9,9	5,7 12,5	7,7 16,9	12,2 26,8
<b>Catal. no.</b>	F210WB/xx	F211WB/xx	F212WB/xx	F213WB/xx	F214WB/xx	F215WB/xx	F216WB/xx	F217WB/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