

# FORGED STEEL VALVES

DOUGLAS CHERO SpA  
**dc** FORGED VALVES





# Bellows seal GATE 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:

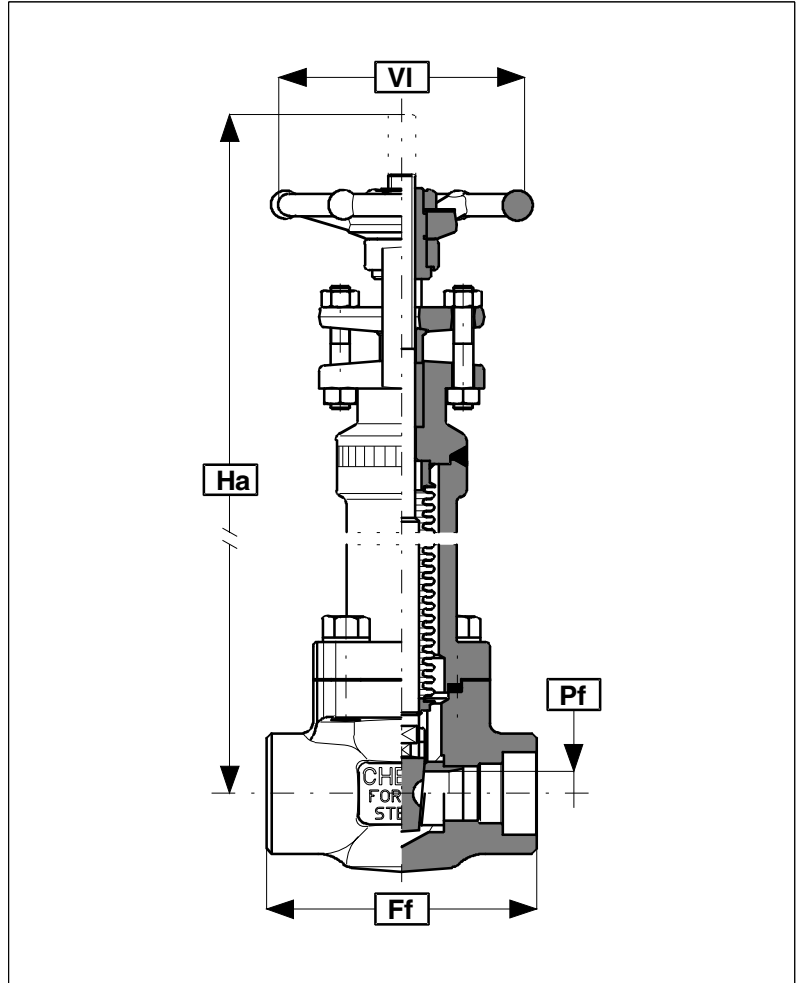
Seat - 85 p.s.i.

## Standards

**Construction** BS 5352  
**Socket weld** ASME B16.11  
**Threaded** ASME B1.20.1  
**Test** 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	



## 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	127 5,00	130 5,12
<b>Ha (mm/in)</b>			256 10,08	267 10,51	300 11,81	344 13,54	421 16,57	433 17,05
<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>			10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44
<b>Wt. (kg/lb)</b>			3,0 6,6	3,4 7,5	5,3 11,7	7,7 16,9	11,0 24,2	14,2 31,2
<b>Catal. no.</b>			SR252B/xx	SR253B/xx	SR254B/xx	SR255B/xx	SR256B/xx	SR257B/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>	256 10,08	256 10,08	267 10,51	300 11,81	344 13,54	421 16,57	433 17,05	560 22,05
<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 1,89
<b>Wt. (kg/lb)</b>	3,0 6,6	3,0 6,6	3,4 7,5	5,3 11,7	7,7 17,1	11,0 24,4	14,2 31,2	25,0 55,0
<b>Catal. no.</b>	SF210B/xx	SF211B/xx	SF212B/xx	SF213B/xx	SF214B/xx	SF215B/xx	SF216B/xx	SF217B/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) On request flanged ends can be supplied; body dimensions on page 5,6,7