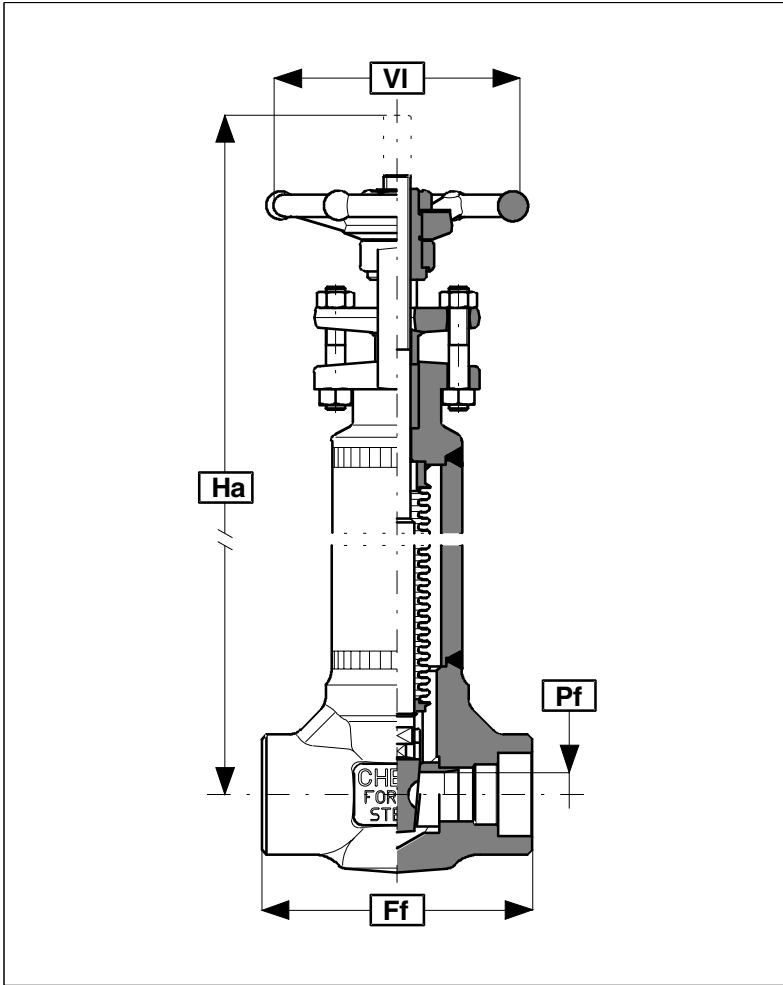


# FORGED STEEL VALVES

DOUGLAS CHERO SpA  
**dc** FORGED VALVES





### 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> |  | 2,7 5,9   | 3,1 6,8   | 4,7 10,3  | 6,9 15,2  | 9,5 20,9  | 12,6 27,7 |
| <b>Catal. no.</b>  |  | SR252/xx  | SR253/xx  | SR254/xx  | SR255/xx  | SR256/xx  | SR257/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> | 2,7 5,9   | 2,7 5,9   | 3,1 6,8   | 4,7 10,3  | 6,9 15,2  | 9,5 20,9  | 12,6 27,7 | 25,0 55,0 |
| <b>Catal. no.</b>  | SF210/xx  | SF211/xx  | SF212/xx  | SF213/xx  | SF214/xx  | SF215/xx  | SF216/xx  | SF217/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