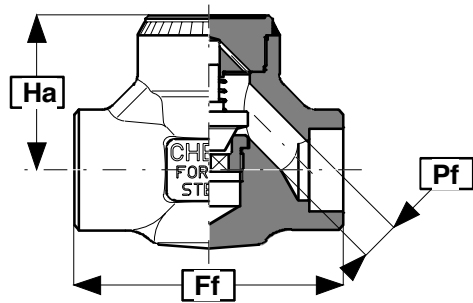


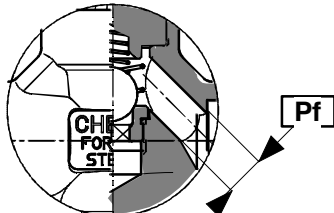
# FORGED STEEL VALVES

DOUGLAS CHERO SpA  
**dc** FORGED VALVES

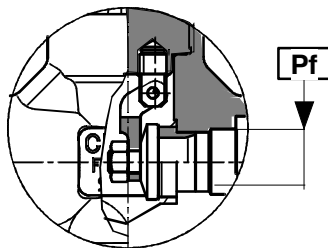




**Piston (.P.../)**



**Ball (.B.../)**



**Swing (.S.../)**

## Ratings (ASTM A105)

1500 p.s.i. @ 850°F  
3705 p.s.i. @ 100°F

## Test pressure (ASTM A105)

### Hydraulic:(minimum)

Body - 5575 p.s.i.  
Seat - 4100 p.s.i.

### Air under water:

not applicable

## Standards

|                     |                           |
|---------------------|---------------------------|
| <b>Construction</b> | <i>founded on API 602</i> |
| <b>Socket weld</b>  | ASME B16.11               |
| <b>Threaded</b>     | ASME B1.20.1              |
| <b>Butt weld</b>    | ASME B16.25               |
| <b>Test</b>         | <i>founded on API 598</i> |

## 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>B6</b> | Butt weld 160 |           |              |

## CONVENTIONAL BORE

|                    | 1/4"       | 3/8"       | 1/2"       | 3/4"       | 1"         | 1.1/4"     | 1.1/2"     | 2"         |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Ff (mm/in)</b>  | 90 3,54    | 90 3,54    | 90 3,54    | 110 4,33   | 127 5,00   | 155 6,10   | 170 6,69   | 210 8,27   |
| <b>Ha (mm/in)</b>  | 50 1,97    | 50 1,97    | 50 1,97    | 56 2,20    | 67 2,64    | 82 3,23    | 99 3,90    | 121 4,76   |
| <b>Pf (mm/in)</b>  | 6,5 0,26   | 9 0,35     | 10 0,39    | 13,5 0,53  | 18 0,71    | 24 0,94    | 29 1,14    | 35 1,38    |
| <b>Wt. (kg/lb)</b> | 1,4 3,1    | 1,4 3,1    | 1,4 3,1    | 2,3 5,1    | 3,8 8,4    | 5,6 12,3   | 8,3 18,3   | 13,4 29,5  |
| <b>Catal. no.</b>  | Xt850WC/xx | Xt851WC/xx | Xt852WC/xx | Xt853WC/xx | Xt854WC/xx | Xt855WC/xx | Xt856WC/xx | Xt857WC/xx |

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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) Dimensions for piston & ball type; for swing see page 19

5) Code t is replaced by kind of check valve (drawing above)

## Ratings (ASTM A105)

1500 p.s.i. @ 850°F  
3705 p.s.i. @ 100°F

## Test pressure (ASTM A105)

### Hydraulic: (minimum)

Body - 5575 p.s.i.  
Seat - 4100 p.s.i.

### Air under water:

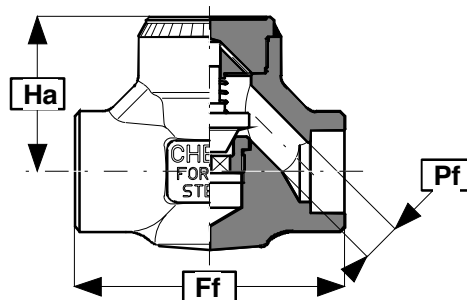
not applicable

## Standards

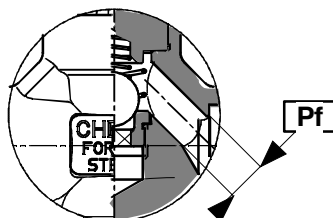
|              |                |
|--------------|----------------|
| Construction | BS 5352        |
| Socket weld  | ASME B16.11    |
| Threaded     | ASME B1.20.1   |
| Butt weld    | ASME B16.25    |
| Test         | BS 6755 (Pt.1) |

## Connections (xx)

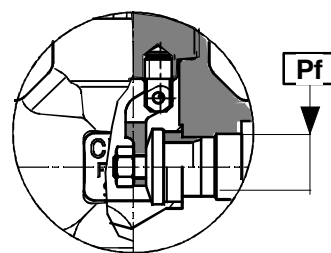
|           |               |           |              |
|-----------|---------------|-----------|--------------|
| <b>SW</b> | Socket weld   | <b>B8</b> | Butt weld 80 |
| <b>TH</b> | Threaded NPT  |           |              |
| <b>TS</b> | Sw/NPT        |           |              |
| <b>SE</b> | Sw (in)/NPT   |           |              |
| <b>SU</b> | Sw (out)/NPT  |           |              |
| <b>B6</b> | Butt weld 160 |           |              |



**Piston (.P.../)**



**Ball (.B.../)**



**Swing (.S.../)**

## STANDARD BORE

|                    |  |  | 1/2"      | 3/4"      | 1"        |  | 1.1/2"    | 2"        |
|--------------------|--|--|-----------|-----------|-----------|--|-----------|-----------|
| <b>Ff</b> (mm/in)  |  |  | 90 3,54   | 110 4,33  | 127 5,00  |  | 170 6,69  | 210 8,26  |
| <b>Ha</b> (mm/in)  |  |  | 51 2,01   | 57 2,24   | 62 2,44   |  | 90 3,54   | 117 4,61  |
| <b>Pf</b> (mm/in)  |  |  | 11 0,43   | 14,5 0,57 | 19 0,75   |  | 31 1,22   | 37,5 1,48 |
| <b>Wt.</b> (kg/lb) |  |  | 1,4 3,1   | 2,4 5,3   | 3,8 8,4   |  | 8,0 17,6  | 14,5 31,9 |
| <b>Catal. no.</b>  |  |  | t852WC/xx | t853WC/xx | t854WC/xx |  | t856WC/xx | t857WC/xx |

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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) Dimensions for piston & ball type; for swing see page 27  
5) Code t is replaced by kind of check valve (drawing above)