



# "Isrs" GATE VALVES - 800 - Welded bonnet - Sw/Npt

## 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:

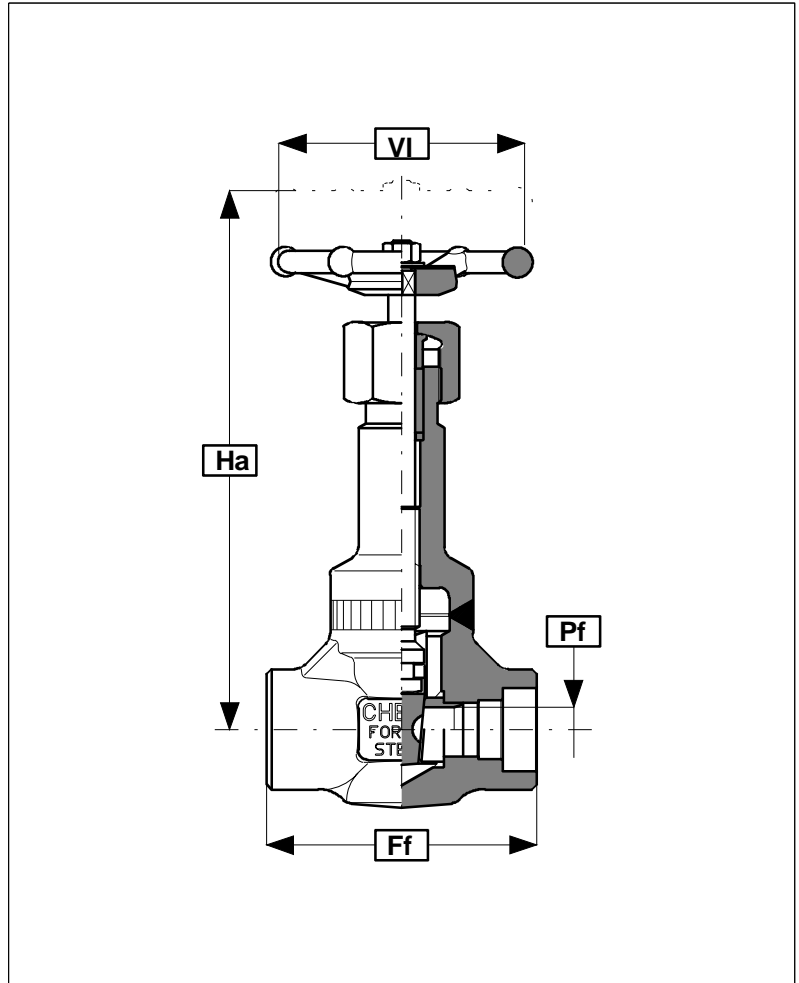
Seat - 85 p.s.i.

## Standards

**Construction** API 602, BS 5352  
**Socket weld** ASME B16.11  
**Threaded** ASME B1.20.1  
**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>			158 6,22	183 7,20	201 7,91	255 10,03	276 10,87	310 12,21
<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>			1,5 3,3	1,9 4,2	3,2 7,0	4,9 10,8	6,2 13,6	8,4 18,5
<b>Catal. no.</b>			IR252WF/xx	IR253WF/xx	IR254WF/xx	IR255WF/xx	IR256WF/xx	IR257WF/xx

## FULL BORE

<b>Ff (mm/in)</b>								
<b>Ha (mm/in)</b>								
<b>VI (mm/in)</b>								
<b>Pf (mm/in)</b>								
<b>Wt. (kg/lb)</b>								
<b>Catal. no.</b>								

1) Standard and alternative valve materials on page 67, type E  
2) Complete Pressure-Temperature ratings on page 68, 69, 70, 71,72  
3) SW & NPT dimensions on page 73