

Forged Gate Valves

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

HYDROFLUORIC ACID (HF)
ALKYLATION VALVES.
UOP APPROVED.

SERIES NUMBER

Threaded 12111
12111T⁺ Socket Weld SW12111
12111T⁺ SW12111T⁺
 THD/SW TSW12111

SW12111HF6
SW12111HF7
Trim: 13% Cr.
Seats: HF

12111FHF SW12111FHF
12111MB6 SW12111MB6
 Sizes 1/2-2 (No 1-1/4)
 Trim: 13% Cr.
 Wedge/Seats: HF

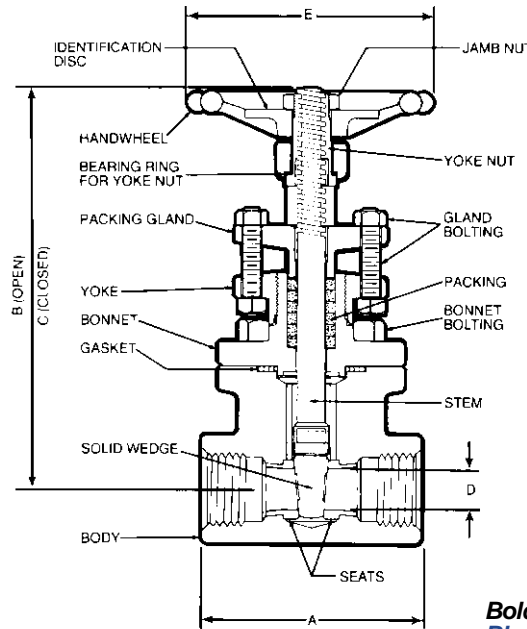
12111F8M SW12111F8M
 Trim: 316
 Seats: HF

12111MB8 SW12111MB8
 Trim: 316
 Wedge/Seats: HF

12111MM SW12111MM
12111MMT⁺ SW12111MMT⁺
 Trim: Monel

12111MBS SW12111MBS
 Trim: Monel
 Wedge: HF

MATERIALS MEET REQUIREMENTS OF NACE STANDARD MR-01-75 FOR SOUR SERVICE



- Round Bolted Bonnet
- Spiral Wound Gasket
- Outside Screw & Yoke
- Bolted Gland
- Solid Wedge
- Hard Faced Seats
- API 602
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/4 8	3/8 10	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50	2-1/2 65	3* 80
A-End-to-End		2.75 70	2.75 70	3.38 86	3.38 86	4.00 102	4.75 121	4.75 121	5.25 133	7.00 178	8.00 203
B-Open		6.19 157	6.19 157	6.38 162	6.38 162	8.31 211	10.12 257	10.12 257	11.10 282	14.09 358	18.03 458
C-Closed		5.75 146	5.75 146	5.75 146	5.75 146	7.38 187	8.69 221	8.69 221	9.41 239	11.81 300	14.93 379
D-Seat Diameter		.31 7.9	.31 7.9	.50 12.7	.50 12.7	.75 19.1	1.25 31.8	1.25 31.8	1.50 38.1	2.00 50.8	2.75 69.8
E-Handwheel Diameter		4.00 102	4.00 102	4.00 102	4.00 102	4.75 121	5.75 146	5.75 146	7.00 178	8.00 203	9.75 248
Weight		4.9 2.2	4.8 2.2	5.0 2.3	4.9 2.2	8.3 3.8	16.6 7.5	16.0 7.3	21.8 9.9	42.8 19.4	75.0 34.0

+ Valves contain TEFLON—maximum temperature 500°F.
Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix A.
*Outside Scope API602 & B16.34

GATE CLASS 800 (PN 130) 12111