

Forged Check Valves

Class 800 (PN 130) Conventional Port

For other ratings see pgs. 112-115

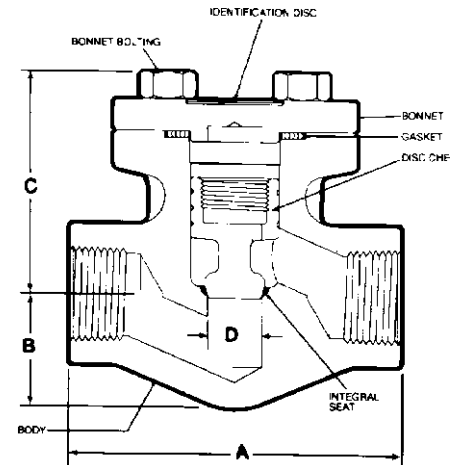
A105 Body/Bonnet

1975 PSI @ 100°F (136.2 BAR @ 38°C)

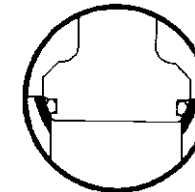
SERIES NUMBER

Threaded 701	Socket Weld SW701 Trim: 13% Cr. Seat: HF
701F8M	SW701F8M 1/2-2 (no 1 1/4) Trim: 316 Seat: HF
701MM	SW701MM 1/2-2 (no 1 1/4) Trim: Monel Seat: HF
701MB8	SW701MB8 Trim: 316 Disc/Seat: HF
701MBS	SW701MBS Trim: Monel Seat: HF

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



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34



Soft Insert "ZL" Ring
Zero Leakage

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
A-End-to-End		3.75 95	3.75 95	3.75 95	4.00 102	4.62 117	6.25 159	6.25 159	7.75 197
B		1.00 25	1.00 25	1.00 25	1.12 28	1.56 40	2.25 57	2.25 57	2.69 68
C		2.56 65	2.56 65	2.56 65	2.56 65	3.06 78	4.50 114	4.50 114	4.94 125
D-Seat Diameter		.50 12.7	.50 12.7	.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9
Weight		3.4 1.5	3.4 1.5	3.2 1.5	3.4 1.5	6.1 2.8	17.0 7.7	16.5 7.5	25.0 11.4

ZERO LEAKAGE "ZL" (RING)

701ZLB -20°F to 250°F	Buna N	} Trim: 13% Cr Seat: HF
701ZLE -20°F to 300°F	Ethylene Propylene	
701ZLN -20°F to 240°F	Neoprene	
701ZLV -20°F to 400°F	Viton	

See preceding page for assistance in selecting the type of "ZL" Ring to use.
Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix FF.