

Plainsman Ball Check Valves

Reliable, field-proven check valves.

Features

- Metal to metal seats
- Simple design makes it easy to install and maintain, with only two moving parts
- Low cracking pressure makes it suitable for vacuum or low-pressure applications
- Lower price component to replace the alternatives in the same application

Technical Specifications

Cracking Pressure: 3-5 PSI (20-35 kPa) based on Viton seals

Temperature Range: Based on viton seal, -15°F to 400°F (-26°C to 205°C)

Temperature Range for Pressure Equipment and Pressure Piping: -15°F to 100°F (-26°C to 38°C)

Spring: Stainless steel, (Inconel optional)

Ball: Stainless steel

Spring Retainer: CF8M Stainless

Note: Valves without a CRN cannot be used in piping subject to the ALBERTA PRESSURE EQUIPMENT SAFETY REGULATION.



BALL CHECK VALVES

Part Numbers

PLAINSMAN MODEL NO.	CONNECTIONS	CV	MAXIMUM WORKING PRESSURE	STANDARD BODY MATERIAL
CB-25*	1/4" fNPT x 1/4" fNPT	0.69	3000 PSI	12L14 CARBON STEEL
CB-37*	3/8" fNPT x 3/8" fNPT	2.56	3000 PSI	12L14 CARBON STEEL
CB-50*	1/2" fNPT x 1/2" fNPT	3.7	3000 PSI	12L14 CARBON STEEL
CB-75*	3/4" fNPT x 3/4" fNPT	4.86	3000 PSI	12L14 CARBON STEEL
CB-100*	1" fNPT x 1" fNPT	6.73	3000 PSI	12L14 CARBON STEEL
CB-150	1-1/2" fNPT x 1-1/2" fNPT	26.3	3000 PSI	12L14 CARBON STEEL
CB-200	2" fNPT x 2" fNPT	41.11	3000 PSI	12L14 CARBON STEEL
CBM-100	1" mNPT x 1" mNPT	26.3	3000 PSI	12L14 CARBON STEEL
CBM-150	1-1/2" mNPT x 1-1/2" mNPT	41.11	3000 PSI	12L14 CARBON STEEL
SB-25*	1/4" fNPT x 1/4" fNPT	0.69	3000 PSI	316 STAINLESS
SB-37*	3/8" fNPT x 3/8" fNPT	2.56	3000 PSI	316 STAINLESS
SB-50*	1/2" fNPT x 1/2" fNPT	3.7	3000 PSI	316 STAINLESS
SB-75*	3/4" fNPT x 3/4" fNPT	4.86	3000 PSI	316 STAINLESS
SB-100*	1" fNPT x 1" fNPT	6.73	3000 PSI	316 STAINLESS
SB-50 6000*	1/2" fNPT x 1/2" fNPT	3.7	6000 PSI	316 STAINLESS
SB 100 6000*	1" fNPT x 1" fNPT	6.73	6000 PSI	316 STAINLESS
SB-25 10000*	1/4" fNPT x 1/4" fNPT	0.69	10000 PSI	316 STAINLESS
SB-50 10000*	1/2" fNPT x 1/2" fNPT	3.7	10000 PSI	316 STAINLESS
SB-75 10000*	3/4" fNPT x 3/4" fNPT	4.86	10000 PSI	316 STAINLESS
SB-100 10000*	1" fNPT x 1" fNPT	6.73	10000 PSI	316 STAINLESS
MB-200	2 mNPT x 2 mNPT	26.3	3000 PSI	316 STAINLESS

* Canadian Registration Number (CRN): 0C02533.2

Ordering Information

Specify the Plainsman model desired.

Model Numbering:

A-XX YYYYY (i.e. SB-25 10000)

A: Material (CB=Carbon Steel, SB=Stainless Steel)

XX: Connection Size (i.e. 25 = 1/4" NPT connection)

YYYYY: Working Pressure (6000 psi [41.4 MPa] or 10000 PSI [68.9 MPa] models only)



PLAINSMAN ALSO DISTRIBUTES MODEL ASB-283, ASA-675 AND ASA-676 CHECK VALVES.

MADE IN CANADA



BALL CHECK VALVES

