

Jamesbury®  
Ball Valves



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# Jamesbury Ball Valves

UTILITY

ANCILLARY

PROCESS

3-Way

Emission Valves

Large Flange

Flange: up to 1½" Full Bore

Flange: up to 2" STD Bore

4000, Eliminator™ A-Style

Clincher®

PLATFORM

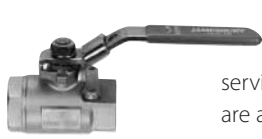
VALUE-LINE®

3A/3C

5H, 6F, 3000

100 Series

## Series 100 Ball Valves



Series 100 general purpose ball valves feature bubble tight shut-off for industrial and utility services. Ideal for applications where non-relieving seats are acceptable.

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
1/4" - 2" (8-50DN)	2000 psi (138 bar)	450° F (232° C)	Carbon Steel 316SS	B103-5

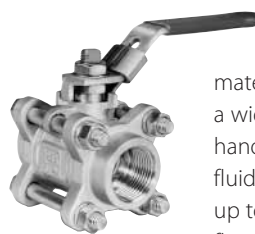
## Clincher Series 2000 Ball Valves



Clincher Series 2000 ball valves are rugged high performance ball valves designed to handle an extremely wide variety of liquids, gases, and slurries. These valves are available in brass, carbon and stainless steel. These valves have an actuator mount and can be prepared for special service such as oxygen and high-vacuum.

Sizes	Port	Maximum Pressure	Maximum Temperature	Body/Trim Materials	Bulletin
1/2" - 2 1/2" (15 - 65DN)	Std.	800 psi (55 bar)	500° F (260° C)	Carbon Steel 316SS Brass	B102-1

## Series 3A/3C Ball Valves



Series 3 ball valves have a 3-piece, threaded or socket-weld body design. A range of construction materials provides years of continuous, reliable service in a wide variety of applications. Seat material options handle the vast majority of commonly encountered fluids up to full body rating, including saturated steam up to 250 psi (17 bar). The large port size provides high flow, while minimizing pressure drop. The standard body caps of the Series 3C socket-weld valves are 316 (CF3M) stainless steel when a 316SS valve is specified.

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
1/2" - 2" (15 - 50DN)	1000 psi (69 bar)	500° F (260° C)	Carbon Steel 316SS	B105-4

## Series 3000 Ball Valves



Series 3000 ball valves are perfect for applications where positive, long-lasting shut-off is required. Ideal for vent, bypass, sampling and gauge isolation, these valves provide cost-effective shut-off in a wide range of process industry, manufacturing, commercial and OEM services. Seating options permit the handling of many commonly encountered abrasives, steam and applications with wide temperature swings.

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
1/4" - 2" (8 - 50DN)	2000 psi (138 bar)	500° F (260° C)	Carbon Steel 316SS	B104-1

## Series 5H Ball Valves



The *Value-Line* Series 5H 1/4" - 2" (8-50 DN) threaded ball valves are the right choice for a wide range of high-pressure fluid and gas applications where superior performance and low cost are equally important. The Series 5H incorporates our unique flexible-lip seat design to provide long-lasting tight shut-off at pressures up to 4500 psi (310 bar) in sizes 1/4" - 1", and 3000 psi (206 bar) in sizes 1 1/4" - 2".

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
1/4" - 1" (8 - 25DN)	4500 psi (310 bar)	230° F (110° C)	Carbon Steel 316SS	B106-2
1 1/4" - 2" (32 - 50DN)	3000 psi (206 bar)			

## Series 6F Ball Valves



Series 6F ball valves offer a 2-piece, full port, threaded configuration and 1000 psi pressure rating to make them an ideal choice for applications where tight shut-off and low  $\Delta p$  are required. *Fire-Tite* to API 607; they handle the vast majority of commonly encountered fluids up to full body rating, including saturated steam up to 275 psi (19 bar).

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
1/2" - 2" (15 - 50DN)	1000 psi (69 bar)	500° F (260° C)	Carbon Steel	B101-3
3" (80DN)	800 psi (55 bar)	(260° C)	316SS	

## Series 4000 Ball Valves



Series 4000 full and standard bore ball valves offer performance and versatility at an economical cost. Three end connections are available: threaded, socket-weld, and butt-weld. The Fire-Tite® version is standard, and valves are either CWP or ANSI rated and can be specially prepared for oxygen or high-vacuum service.

Sizes	Port	Maximum Pressure	Maximum Temperature	Body/Trim Materials	Bulletin
1/2" - 1" (15 - 25DN)	Std.	2500 psi (172 bar)	500° F (260° C)	Carbon Steel 316SS Monel® Hastelloy® C	B105-1
1 1/4" - 2" (32 - 50DN)		2250 psi (155 bar)			
2 1/2" (65DN)		1000 psi (69 bar)			
1/2" - 3/4" (15 - 20DN)	Full	2500 psi (172 bar)			
1" - 1 1/2" (25 - 40DN)		2250 psi (155 bar)			
2" (50DN)		1000 psi (69 bar)			

## Series 5000/7000 Standard Port And Series 6000/9000 Full Port Flanged Ball Valves



Series 5000/7000 standard port and Series 6000/9000 full port polymeric-seated flanged ball valves provide high flow capacity for isolation and control applications in industries ranging from chemical and petroleum, to power and pulp and paper. These valves offer long-lasting reliable shut-off, and are fire-tested to meet the requirements of API 607, ISO 10497.

Series	Sizes	Port	Pressure Classes	Maximum Temperature	Body/Trim Materials <sup>1</sup>	Bulletin
5000	12" - 20" (300 - 500DN)	Std.	150	500° F (260° C)	Carbon Steel	B107-1
			300		316SS	
7000	1/2" - 10" (15 - 250DN)	Full			Alloy 20 Monel Hastelloy C	B107-2
6000	14" - 24" (350 - 600DN)					
9000	1/2" - 12" (15 - 300DN)					

## Eliminator Ball Valves



The *Eliminator* ball valve incorporates large standard ports, fire-tested performance, rugged actuator support and flexible-lip seats to provide application versatility that goes beyond many other low-cost valves. They are either CWP-rated with cold working pressures of up to 2000 psi (138 bar) or ANSI-600 rated up to 1480 psi (102 bar). They can also meet special requirements for oxygen, NACE and chlorine.

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials	Bulletin
1/4" - 2" (8 - 50DN)	2000 psi (138 bar)	500° F (260° C)	Carbon Steel	B101-2
CWP			316SS	
1/4" - 2" (8 - 50DN)	1480 psi (102 bar)		Monel	
ANSI-600			Hastelloy C	

## A-Style Ball Valves



The threaded end A-Style ball valve design incorporates standard ports, fire-tested performance, actuator mounting pad, and flexible lip seats for extended cycle life. The A-Style is a platform valve similar to the *Eliminator*. The A-Style Model D maintains the same end to end dimension as the A-Style Model C and can be used as a direct replacement.

Sizes	Maximum Pressure	Maximum Temperature	Body/Trim Materials	Bulletin
1/4" - 2" (8 - 50DN)	2000 psi (138 bar)	500° F (260° C)	Carbon Steel 316SS Monel Hastelloy C	B100-1

### Refer to the following bulletins for additional special service valves:

Valves for Steam Service	B150-1
Valves for Chlorine Service	B150-2
Valves for Oxygen Service	B150-3
Valves for Vacuum Service	B150-4
Valves for Hydrogen Peroxide Service	B150-5
Jacketed Ball Valves	B151-3
Barrier Seat Ball Valves	B151-5

<sup>1</sup> Consult factory for specific material availability. Monel is a registered trademark of Inco. Hastelloy is a registered trademark of Haynes International, Inc.