

## Valve Seat Ratings

Pressure and temperature ratings of ball valves are determined not only by body ratings, but also by non-metallic sealing materials used in seats, seals, packing and gaskets. Exact pressure temperature limits for all line fluids and conditions are not indicated by the data illustrated in this brochure. Rather, the graphs listed indicate general limitations of seating and other non-metallic materials, together with the body rating limitations.

## Valve Body Ratings

This is the maximum working pressure rating of the valve body only. The seat material rating determines the practical pressure limitation in actual service. The working pressure rating is at -20° to +100° F. Test pressure is for hydrostatic test with valve open.

## Flow Data

The Dimensional Data charts on pages four and six provide flow coefficients for PBV® valves covered in this catalog. The Cv values represent the flow of water at +60° F through the valve in U.S. gallons per minute at a pressure drop of 1 PSI.



*All Series 5312 and 5322 valves meet API 607 Firesafe standards.*

## PBV® Valves are manufactured in strict conformance with the following Industry Standards:

- ASME B16.34 Valves-Flanged, Threaded and Welding End
- ASME/ANSI B1.20.1 Pipe Threads
- Canadian Registration Number (CRN) Products Registered in all Provinces and Territories
- ISO 9001 Quality System
- NACE MR0175 2002 Metals for Sulfide stress cracking and stress corrosion cracking resistance in sour oil field environments.

## Figure Order Numbers

### Specifying PBV® Series 5312/5322 Unibody and Two-Piece Valve Figure Numbers

Follow the example and use the figure number charts below to specify the valve you need.

Example: 2" S-5322-38-3600-GL-NC This number represents a 2" Stainless Steel 5322 Series Cast Two-Piece Single Reduced Port Floating Ball Valve with Threaded NPT F X F End Connections, Stainless Steel CF8M Body Material and Internal Trim, Glass Filled PTFE Seats, Graphite/PTFE Seal Material, NACE Compliant with Latch Locking Lever Handle Operator, no modifications.

S - 53    22 - 38 - 36    00 - G    L - N    C

Body Mat.	Design	Design/Port	End Conn.	Body Mat.	Internal Trim	Seat Mat.	Seal Mat.	NACE Compliant	Operator
C	53	12	38	22	36	T	L	N	L
Carbon Steel WCB	PBV Cast	Unibody Double Reduced Port	Threaded NPT Fem. X Fem.	Carbon Steel WCB	316 SS	Virgin PTFE	Graphite /PTFE	NACE	Standard Lever
S			3M	36	Same As Body	G			C
Stainless Steel CF8M		2-Piece Sealweld Single Reduced Port	Threaded NPT Male X Fem.	Stainless Steel CF8M		Glass Filled PTFE			Latch Locking Lever
									V
									Oval Handle