

# PBV® SERIES 5312 UNIBODY

## THREADED FLOATING BALL VALVES

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## How to Order, Standards, and Options

### Specifying PBV® Series 5312 Floating Ball Valve Figure Numbers

**Example: 2" S-5312-38-3600-GL-NC** — This number represents a 2" Stainless Steel 5312 Series Cast Unibody Double 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	12	-	38	-	36	00	-	G	L	-	N	C
Body Material		Design	Design/Port		Port End Connection		Body Material	Internal Trim		Seat Material	Seat Material		NACE Option	Operator
C Carbon Steel WCB		53 PVB Cast	12 Unibody Double Reduced Port		38 Threaded NPT Fem. X Fem.		22 Carbon Steel WCB	36 316 Stainless Steel		T Virgin PTFE	L Graphite/PTFE		N NACE	L Standard Lever
S Stainless Steel CF8M					3M Threaded NPT Male X Fem.		36 Stainless Steel CF8M	00 Same as Body		G Glass-Filled PTFE				C Latch Locking Lever
														V Oval Handle

### 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 oilfield environments



All Series 5312 valves meet API fire-safe standards.

### Standard Features

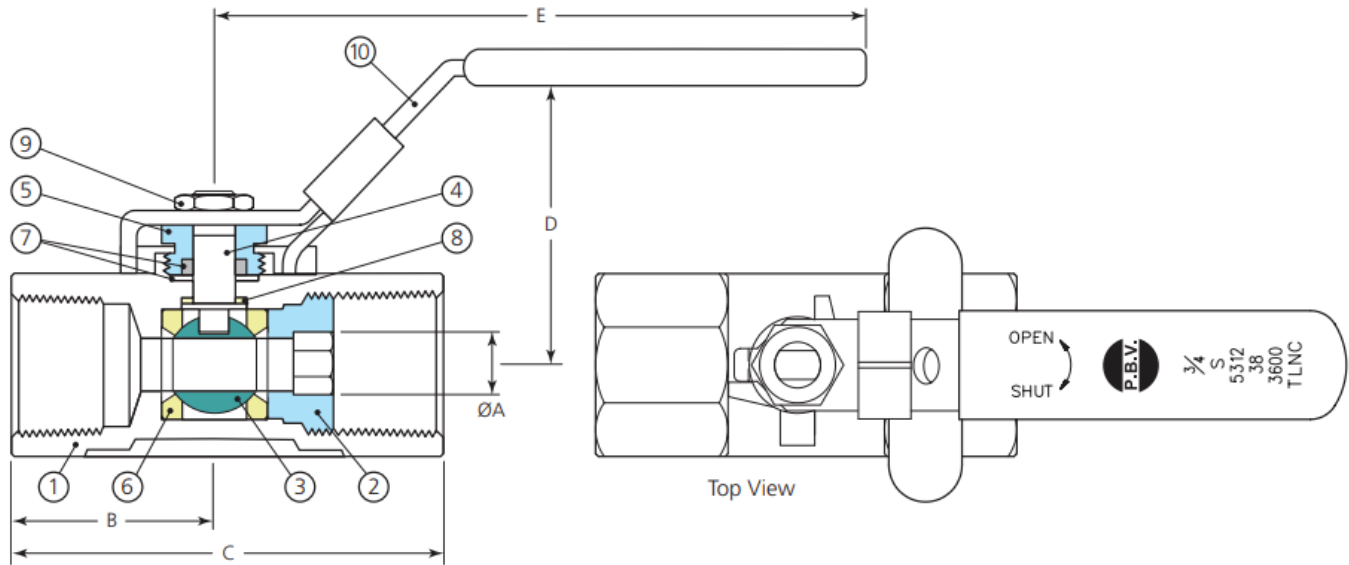
- 2000 WOG
- 250 psi Saturated Steam Rating
- Unibody Construction
- Investment Cast CF8M Stainless or WCB Carbon Steel Body
- Blowout Proof Stem
- Reinforced PTFE Seats
- Standard 316 Stainless Steel Ball & Stem
- NACE Compliant
- Firesafe to API 607 4th Edition
- Locking Handle

### Available Options

- Oval Handle



## Parts, Dimensions, and Engineering Data



Dimensional Data (in.) and Weight (lbs.) • 1/4" – 2"

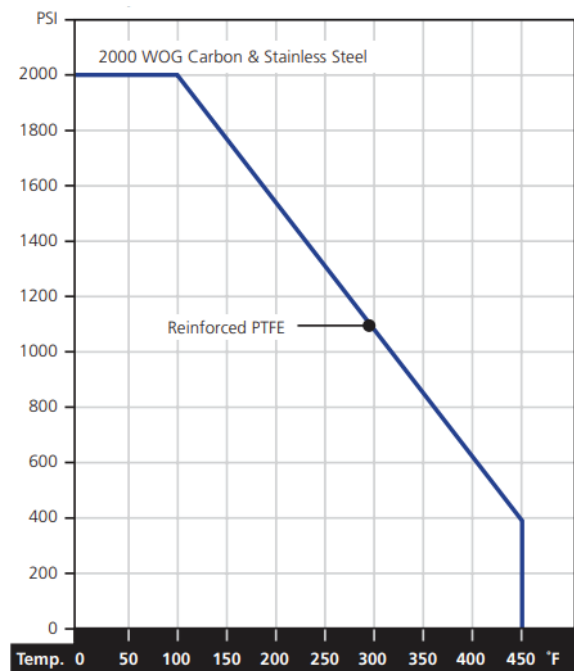
Size (in.)	Dimensions (in.)					Weight (lbs.)
	A	B	C	D	E	
1/4	0.31	1.10	2.28	1.97	4.30	0.70
3/8	0.31	1.10	2.28	1.97	4.30	0.70
1/2	0.31	1.20	2.60	1.97	4.30	0.70
3/4	0.47	1.31	2.83	2.20	4.30	1.00
1	0.62	1.50	3.23	2.56	5.75	1.60
1 1/4	0.81	1.65	3.54	2.76	5.75	2.30
1 1/2	1.00	1.85	3.86	3.29	7.40	3.30
2	1.25	2.10	4.33	3.49	7.40	4.70

Note: Weights are approximate.

### Parts & Materials

No.	Qty.	Part Name	Materials	
			Carbon Steel	Stainless Steel
1	1	Body	ASTM A216 WCB	ASTM A351 GR. CF8M
2	1	Tailpiece	AISI 1017 CS	ASTM A276 GR. 316 SS
3	1	Ball	ASTM A276 GR. 316 SS	ASTM A276 GR. 316 SS
4	1	Stem	ASTM A276 GR. 316 SS	ASTM A276 GR. 316 SS
5	1	Packing Nut	ASTM A276 GR. 316 SS	ASTM A276 GR. 316 SS
6	2	Seats	R-PTFE	R-PTFE
7	1	Packing	Graphite	Graphite
8	1	Thrust Washer	R-PTFE	R-PTFE
9	1	Handle Nut	Carbon Steel-Plated	304 Stainless Steel
10	1	Handle Assembly	Carbon Steel-Plated	304 Stainless Steel

### Pressure Temperature



### Break Torques (ft.-lbs.)

Size (in.)						
1/4 – 3/8	1/2	3/4	1	1 1/4	1 1/2	2
60	60	75	150	180	300	400

### Flow Coefficient (Cv)

Size (in.)						
1/4 – 3/8	1/2	3/4	1	1 1/4	1 1/2	2
4.00	4.00	8.00	14.00	19.00	33.00	51.00



## OUR CORE VALUES

### No One Gets Hurt

The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.

### Integrity

In everything we do, in every interaction, both internally and externally, we strive to operate with the utmost integrity and mutual respect.

### Customer Focused

Our products enhance our customer's performance and we listen to their needs and work with them to solve their challenges.

### Good Place To Work

We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.

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