



Omni® Ball Valve

Standard Features (Sizes 3/8" – 2")

- Blocks in two directions
- Rugged structure
- Unibody construction
- Compact, low profile, short face-to-face dimensions
- PTFE seat backed by EPDM for low stem torque
- Rated for full vacuum service

Options

- Electrically actuated

Pressure vs. Temperature (psi, water, non-shock)

NOMINAL SIZE		PVC		CPVC		
		30° F 120° F	30° F 120° F	121° F 140° F	141° F 175° F	176° F 195° F
INCHES	mm					
3/8-2	13-50	150	150	120	90	60

Sample Specification

All Omni® ball valves size 3/8" to 2" shall be one-piece compact non-union design. All O-rings seals shall be EPDM with PTFE valve seats. Seats must have elastomeric backing cushions of the same material as the seals. PVC conforming to ASTM D1784 Cell Classification 12454A, and CPVC conforming to ASTM D1784 Cell Classification 23567A. Valves shall be rated 150psi at 70° F, as manufactured by Asahi/America, Inc.

Dimensions (Sizes 3/8" – 2") (in.)

NOMINAL SIZE		SOCKET						THREADED					
		ASTM SCH 40											
INCHES	mm	d	d1	d2	l	L	d1	l	L	A	D	D1	h
3/8	13	0.51	0.687	0.671	0.59	3.35	3/8-18 NPT	0.59	3.35	2.36	1.22	1.38	1.65
1/2	15	0.59	0.848	0.836	0.69	3.82	1/2-14 NPT	0.59	3.82	2.76	1.22	1.38	1.73
3/4	20	0.79	1.058	1.046	0.72	4.02	3/4-14 NPT	0.67	4.06	3.15	1.46	2.17	2.17
1	25	0.98	1.325	1.310	0.87	4.49	1-11-1/2 NPT	0.79	4.45	3.15	1.77	2.36	2.36
1-1/4	32	1.22	1.670	1.655	0.94	5.00	1 1/4-11-1/2 NPT	0.87	5.00	3.74	2.13	2.76	2.76
1-1/2	40	1.38	1.912	1.894	1.09	5.98	1 1/2-11-1/2 NPT	0.98	5.94	4.33	2.50	2.99	2.99
2	50	1.77	2.387	2.369	1.16	6.93	2-11-1/2 NPT	1.10	6.93	4.33	3.01	3.31	3.31

Note: The shape and appearance of assembly differ a little with nominal size compared to this drawing.

Specifications

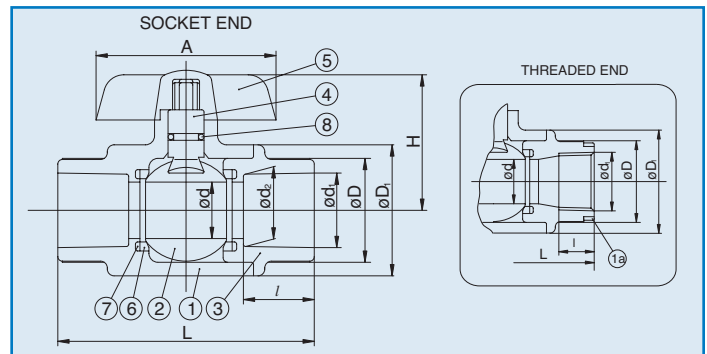
Sizes: 3/8" – 2"
Models: Socket and Threaded
Bodies: PVC, CPVC
Seats: PTFE backed with EPDM
Seals: EPDM

Sizes 3/8" - 2" PVC/EPDM Models
 NSF-61 Certified

Parts List (Sizes 3/8"– 2")

PARTS			
NO.	DESCRIPTION	PCS.	MATERIAL
1	Body	1	PVC, CPVC
2	Ball	1	PVC, CPVC
3	End Connector	1	PVC, CPVC
4	Stem	1	PVC, CPVC
5	Handle	1	ABS
6	Seat	2	PTFE
7	Cushion	2	EPDM, Others
8	O-Ring	1	EPDM, Others
1a	Ring*	2	304 Stainless Steel

*Used for CPVC body, threaded end, 1/2"-1"



Weight (lbs.) Cv Values

NOMINAL SIZE		SOCKET THR'D	NOMINAL SIZE		Cv
INCHES	mm		INCHES	mm	
3/8	13	0.22	3/8	13	7.7
1/2	15	0.26	1/2	15	14
3/4	20	0.55	3/4	20	29
1	25	0.88	1	25	47
1-1/4	32	1.21	1-1/4	32	73
1-1/2	40	1.32	1-1/2	40	140
2	50	2.20	2	50	185