



NDL Industries

# Hydronic Valves Product Guide

High-Quality Hydronic Components for Commercial,  
Industrial, and Residential Applications





# Hydronic Valves

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# Hydronic Valves

## Revolutionary Valve Solutions Setting New Standards in Performance and Efficiency

- Boiler Drain Valves and Quarter Turn Boiler Drain Valves are multi-purpose valves pressure.
- Gas Shut Off Valves feature PTFE seats and NBR O-Rings to reduce contamination buildup.
- Ball Valves have a lead-free, full port forged brass body.
- Ball Valves have a packing gland and O-ring on stem for reliable seal.

## Certifications and Approvals

- ANSI B1.20.01 - Gas Shut Off Valves, Boiler Drain Valves, and Quarter Turn Boiler Valves
- ANSI B1.20.07 - Boiler Drain Valves, and Quarter Turn Boiler Valves
- ASME B16.51 - Water Press Ball Valves
- ASME A112.18.1/CSA B125.1 - Boiler Drain Valves, and Quarter Turn Boiler Valves
- CSA Approved - Water Sweat Ball Valves, Water Sweat Ball Valves, Gas Shut Off Valves
- cUPC - Water Press Ball Valves, Water Sweat Ball Valves, Water Sweat Ball Valves with Drain, Boiler Drain Valves, and Quarter Turn Boiler Valves
- FM Approved - Water Sweat Ball Valves, Water Sweat Ball Valves with Drain
- UL Certified - Water Sweat Ball Valves, Water Sweat Ball Valves with Drain
- NSF61 Approved, and conform to NSF372





# Hydronic Valves

## Working Pressures and Temperatures

- Maximum Working Pressure: 125 PSI/Maximum Temperature: 150.80°F (66°C) - Boiler Drain Valves, and Quarter Turn Boiler Valves
- Maximum Working Pressure: 250 PSI/Maximum Temperature: 203°F (95°C) - Gas Shutoff Valves, and Water Press Ball Valves
- Maximum Working Pressure: 600 PSI/Working Temperature: 20 to 300 °F (-28 to 148 °C). - Water Sweat Ball Valves, Water Sweat Ball Valves with Drain, Water Threaded Ball Valves, and Water Threaded Ball Valves with Drain

## Symbols

- FIP** Female Thread NPT
- Flare** Thread fitting





**Boiler Drain Valves**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBD-012	1/2" Boiler Drain	10	0.428	194.1
NBD-034	3/4" Boiler Drain	10	0.472	214.1



**Quarter Turn Boiler Drain Valves**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBQ-012	1/2" Quarter Turn Boiler Drain	10	0.403	182.8
NBQ-034	3/4" Quarter Turn Boiler Drain	10	0.575	260.8



**Gas Ball Valves**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
G01-2801	1" Gas Ball Valve	0	0.761	345.2

**Straight Gas Shut Off Valves (FIP x FIP)**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
G01-2806	3/8" x 3/8" Str. Gas Shut Off Valve	EA	0.258	117.0
G01-2808	1/2" x 1/2" Str. Gas Shut Off Valve	10	0.331	150.1
G01-2812	3/4" x 3/4" Str. Gas Shut Off Valve	10	0.481	218.2



**Straight Gas Shut Off Valves (Flare x FIP)**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
G01-387	3/8" x 1/2" Str. Gas Shut Off Valve	EA	0.32	145.1
G01-487	1/2" x 1/2" Str. Gas Shut Off Valve	EA	0.353	160.1
G01-537	1/2" x 3/4" Str. Gas Shut Off Valve	EA	0.481	218.2
G01-587	5/8" (15/16) x 1/2" Str. Gas Shut Off Valve	EA	0.388	176.0
G01-687	5/8" (15/16) x 3/4" Str. Gas Shut Off Valve	EA	0.527	239.0





### Angled Gas Shut Off Valves (Flare x FIP)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
G01-380G	3/8" x 1/2" Angled Gas Shut Off Valve	EA	1.003	455.0
G01-480G	1/2" x 1/2" Angled Gas Shut Off Valve	EA	0.388	176.0
G01-680G	5/8" (15/16) x 3/4" Angled Gas Shut Off Valve	EA	0.598	271.2



### One Piece Valve Bodies (FIP x FIP)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
G01-2802-1PC	1" One Piece Valve Body	EA	1.003	455.0
G01-2809-1PC	1/2" One Piece Valve Body	EA	0.388	176.0
G01-2813-1PC	3/4" One Piece Valve Body	EA	0.598	271.2



### Water Press Ball Valves

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NPV-012	1/2" Water Press Ball Valve	10	0.47	213.2
NPV-034	3/4" Water Press Ball Valve	10	0.807	366.0
NPV-100	1" Water Press Ball Valve	8	1.142	518.0
NPV-114	1-1/4" Water Press Ball Valve	4	1.669	757.0
NPV-112	1-1/2" Water Press Ball Valve	2	2.582	1171.2
NPV-200	2" Water Press Ball Valve	2	3.585	1626.1
NPV-212	2-1/2" Water Press Ball Valve	EA	7.915	3590.2
NPV-300	3" Water Press Ball Valve	EA	10.203	4628.0
NPV-400	4" Water Press Ball Valve	EA	18.153	8234.1



### Water Sweat Ball Valves

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NSV-012	1/2" Water Sweat Ball Valve	10	0.417	189.1
NSV-034	3/4" Water Sweat Ball Valve	10	0.683	309.8
NSV-100	1" Water Sweat Ball Valve	8	1.071	485.8
NSV-114	1-1/4" Water Sweat Ball Valve	4	1.585	718.9
NSV-112	1-1/2" Water Sweat Ball Valve	2	2.28	1034.2





**Water Sweat Ball Valves - Continued**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NSV-200	2" Water Sweat Ball Valve	2	3.596	1631.1
NSV-212	2-1/2" Water Sweat Ball Valve	EA	6.98	3166.1
NSV-300	3" Water Sweat Ball Valve	EA	8.856	4017.0
NSV-400	4" Water Sweat Ball Valve	EA	17.531	7951.9

**Water Sweat Ball Valves with Drain**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NWD-012	1/2" Water Sweat Ball Valve with Drain	10	0.439	199.1
NWD-034	3/4" Water Sweat Ball Valve with Drain	10	0.717	325.2



**Water Threaded Ball Valves**

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NPS-038	3/8" Water Threaded Ball Valve	10	0.311	141.1
NPS-012	1/2" Water Threaded Ball Valve	10	0.47	213.2
NPS-034	3/4" Water Threaded Ball Valve	10	0.758	343.8
NPS-100	1" Water Threaded Ball Valve	8	1.153	523.0
NPS-114	1-1/4" Water Threaded Ball Valve	4	1.768	802.0
NPS-112	1-1/2" Water Threaded Ball Valve	2	2.381	1080.0
NPS-200	2" Water Threaded Ball Valve	2	3.499	1587.1
NPS-212	2-1/2" Water Threaded Ball Valve	EA	7.295	3309.0
NPS-300	3" Water Threaded Ball Valve	EA	9.749	4422.1
NPS-400	4" Water Threaded Ball Valve	EA	18.325	8312.1

**Water Threaded Ball Valves with Drain**

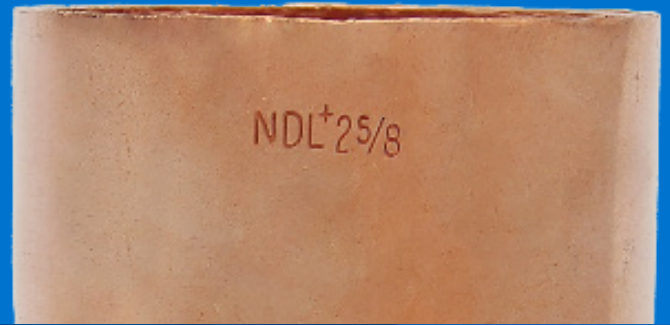
PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NTD-012	1/2" Water Threaded Ball Valve with Drain	10	0.507	230.0
NTD-034	3/4" Water Threaded Ball Valve with Drain	10	0.787	357.0





## QUALITY STAMP

Only after our products pass strict and rigorous quality tests will the NDL name be stamped on them. The NDL Quality Stamp is our seal of approval that our products can be trusted in the field.



## We Focus on Quality and Service So You Can Install with Confidence.

Since 1998, our mission has been to stay ahead of the curve as an industry leader in the HVAC, Refrigeration, and Hydronic markets. We have achieved this over the years by heavily emphasizing quality, innovation, and maintaining a global team of experienced professionals to deliver top-notch service. We continue to hold ourselves to the highest standards, never sacrificing the quality of our products or the commitment to our customers that has made us the company we are today.

*What you can expect from us:*

- Fast order turnaround
- Real-time order communications
- Field-experienced sales and technical support
- Parts packaged in contractor-friendly sized bags
- High-quality control standards for superior fit and finish



## Global Team with Fast Order Turnaround

With distribution centers strategically located worldwide, we ensure fast order fulfillment while maintaining the exceptional customer service that has earned us our trusted reputation.

*Locations:*

- Southaven, Mississippi (United States)
- Vancouver, British Columbia (Canada)
- Milton Keynes, Buckinghamshire (Europe)



Explore our full line of high-quality HVAC-R, CO<sub>2</sub> Refrigeration, and Hydronic products.

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