



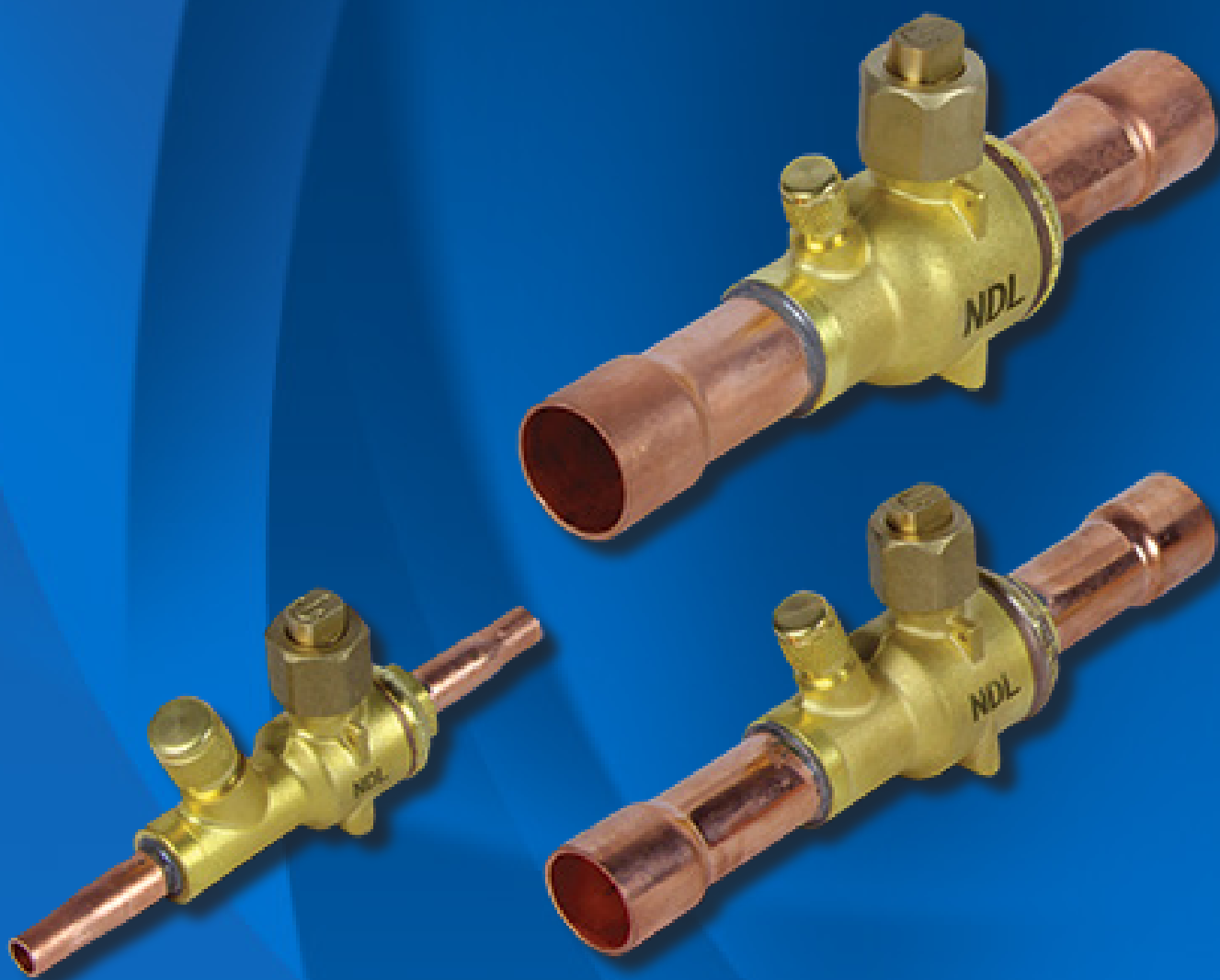
NDL Industries

APPLICATIONS

Commercial, Industrial, and Residential HVAC and Refrigeration

Refrigeration Ball Valves

Innovative Refrigeration Products with High-Quality Performance





Refrigeration Ball Valves

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Refrigeration Ball Valves

Innovative Refrigeration Products with High-Quality Performance

- Heavy-duty, full-port, bi-directional ball valves built to last with 900 PSIG maximum working pressure on sizes up to 7/8".
- Reduce service calls, refrigerant loss, and environmental contamination with our cone-shaped 100% virgin Teflon seals and seats.
- Rupture-proof encapsulated stem that is engineered from the bottom up.
- No need to remove the cap during installation or service. Loosen the nut, turn 1/4 of the stem cap, and open the valve fully; close by turning 1/4 again. Tighten the nut and the job is complete.
- Joined together with a smooth and equal brazing process to prevent pinhole leaks.
- Internally equalized ball design.
- Testing with 95% nitrogen and 5% hydrogen solution at 450 PSIG to detect and correct any leaks before the factory.
- Compatible with CFC, HCFC, HFC, and HFO refrigerants and oils.
- Schrader valve inserted into ball valve body for durability.
- Our 2-year warranty proves confidence, along with them stamped with a serial number and packaged in a poly-bag to prevent contamination and malfunctions.

Certifications and Approvals

- UL/cUL 207
- CE Approved
- CRN Approved
- RoHS Compliant

Symbols

- MS** Male Side
FFS Female Side



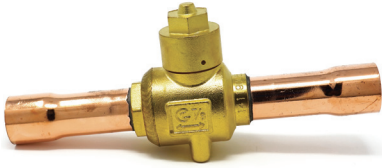


Refrigeration Ball Valves

Technical Data

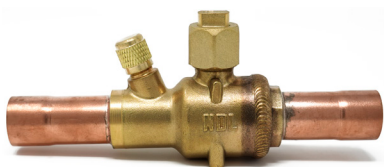
TEMPERATURE	-40° to 302°F (-40°C to 150°C)
BURST PRESSURE	5 times the working pressure
LEAK RATE	<0.02g/year
LIFE EXPECTANCY	>50,000 cycles





Full Port Ball Valves without Schrader

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)	MAX. WORKING PRESSURE	
					PSIG	BAR
NBV02	1/4" Full Port Ball Valve	EA	0.419	190.0	900	62
NBV03	3/8" Full Port Ball Valve	EA	0.470	213.0	900	62
NBV04	1/2" Full Port Ball Valve	EA	0.470	213.0	900	62
NBV05	5/8" Full Port Ball Valve	EA	0.650	295.0	900	62
NBV06	3/4" Full Port Ball Valve	EA	1.113	505.0	900	62
NBV07	7/8" Full Port Ball Valve	EA	1.191	540.0	900	62
NBV09	1-1/8" Full Port Ball Valve	EA	1.929	875.0	700	48
NBV11	1-3/8" Full Port Ball Valve	EA	3.098	1405.0	700	48
NBV13	1-5/8" Full Port Ball Valve	EA	5.082	2305.0	700	48
NBV17	2-1/8" Full Port Ball Valve	EA	8.664	3930.0	700	48
NBV21	2-5/8" Full Port Ball Valve	EA	14.275	6475.0	650	45
NBV25	3-1/8" Full Port Ball Valve	EA	20.988	9520.0	650	45
NBV33	4-1/8" Full Port Ball Valve	EA	36.663	16630.0	450	31



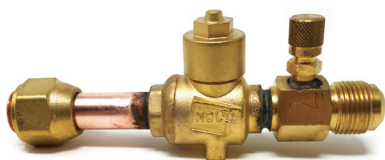
Full Port Ball Valves with Schrader

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)	MAX. WORKING PRESSURE	
					PSIG	BAR
NBV02S	1/4" Full Port Ball Valve with Schrader	EA	0.463	210.0	900	62
NBV03S	3/8" Full Port Ball Valve with Schrader	EA	0.481	218.0	900	62
NBV04S	1/2" Full Port Ball Valve with Schrader	EA	0.481	218.0	900	62
NBV05S	5/8" Full Port Ball Valve with Schrader	EA	0.661	300.0	900	62
NBV06S	3/4" Full Port Ball Valve with Schrader	EA	1.113	505.0	900	62
NBV07S	7/8" Full Port Ball Valve with Schrader	EA	1.202	545.0	900	63
NBV09S	1-1/8" Full Port Ball Valve with Schrader	EA	1.940	880.0	700	48
NBV11S	1-3/8" Full Port Ball Valve with Schrader	EA	3.109	1410.0	700	48
NBV13S	1-5/8" Full Port Ball Valve with Schrader	EA	5.093	2310.0	700	48
NBV17S	2-1/8" Full Port Ball Valve with Schrader	EA	8.730	3960.0	700	48
NBV21S	2-5/8" Full Port Ball Valve with Schrader	EA	14.330	6500.0	650	45
NBV25S	3-1/8" Full Port Ball Valve with Schrader	EA	20.977	9515.0	650	45
NBV33S	4-1/8" Full Port Ball Valve with Schrader	EA	36.597	16600.0	450	31



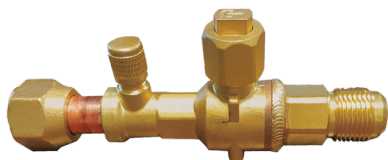
Press Compatible Full Port Ball Valves with Schrader

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)	MAX. WORKING PRESSURE	
					PSIG	BAR
NBV02SZ	1/4" Press Compatible Ball Valve with Schrader	EA	0.463	210.0	900	62
NBV03SZ	3/8" Press Compatible Ball Valve with Schrader	EA	0.474	215.0	900	62
NBV04SZ	1/2" Press Compatible Ball Valve with Schrader	EA	0.496	225.0	900	62
NBV05SZ	5/8" Press Compatible Ball Valve with Schrader	EA	0.706	320.0	900	62
NBV06SZ	3/4" Press Compatible Ball Valve with Schrader	EA	0.992	450.0	900	62
NBV07SZ	7/8" Press Compatible Ball Valve with Schrader	EA	1.102	500.0	900	62
NBV09SZ	1-1/8" Press Compatible Ball Valve with Schrader	EA	1.896	860.0	700	48



Mini Split Ball Valves with Male Side Schrader

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)	MAX. WORKING PRESSURE	
					PSIG	BAR
NBV12MS	1/2" Mini-Split Ball Valve with Male Side Schrader	EA	0.595	270.0	900	62
NBV14MS	1/4" Mini-Split Ball Valve with Male Side Schrader	EA	0.617	280.0	900	62
NBV38MS	3/8" Mini-Split Ball Valve with Male Side Schrader	EA	0.529	240.0	900	62
NBV58MS	5/8" Mini-Split Ball Valve with Male Side Schrader	EA	0.893	405.0	900	62



Reverse Mini Split Ball Valves with Female Side Schrader

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)	MAX. WORKING PRESSURE	
					PSIG	BAR
NBV12MSFFS	1/2" Mini Split Ball Valve with Female Side Schrader	EA	0.628	285.0	900	62
NBV14MSFFS	1/4" Mini Split Ball Valve with Female Side Schrader	EA	0.507	230.0	900	62
NBV38MSFFS	3/8" Mini Split Ball Valve with Female Side Schrader	EA	0.595	270.0	900	62
NBV58MSFFS	5/8" Mini Split Ball Valve with Female Side Schrader	EA	0.948	430.0	900	62



Ball Valve Insulation

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBVINS	Small Ball Valve Insulation (for 1/4", 3/8", 1/2", and 5/8" Valves) - 3/4" Thickness	EA	0.062	28.0
NBVINL	Large Ball Valve Insulation (for 3/4" to 1-1/8" Valves) - 3/4" Thickness	EA	0.128	58.0
NBVINMS	Reverse Mini-Split Ball Valve Insulation (for 1/4" to 5/8" Valves)	EA	0.088	40.0



Ball Valve without Schrader Box Kits including Insulation

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV02BOX	1/4" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	0.514	233.0
NBV03BOX	3/8" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	0.531	241.0
NBV04BOX	1/2" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	0.000	0.0
NBV05BOX	5/8" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	0.712	323.0



Ball Valve without Schrader Box Kits including Insulation - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV06BOX	3/4" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	1.164	528.0
NBV07BOX	7/8" Full Port Ball Valve without Schrader including Insulation (Box Kit)	EA	1.252	568.0



Ball Valve with Schrader Box Kits including Insulation

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV02SBOX	1/4" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	0.525	238.0
NBV03SBOX	3/8" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	0.542	246.0
NBV04SBOX	1/2" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	0.542	246.0
NBV05SBOX	5/8" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	0.723	328.0
NBV06SBOX	3/4" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	1.175	533.0
NBV07SBOX	7/8" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	1.263	573.0



Press Compatible Ball Valve with Schrader Box Kits including Insulation

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV02SZBOX	1/4" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	0.527	239.0
NBV03SZBOX	3/8" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	0.537	243.5
NBV04SZBOX	1/2" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	0.559	253.5



Press Compatible Ball Valve with Schrader Box Kits including Insulation - *Continued*

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV05SZBOX	5/8" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	0.548	248.5
NBV06SZBOX	3/4" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	1.085	492.0
NBV07SZBOX	7/8" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	1.195	542.0
NBV09SZBOX	1-1/8" Press Compatible Ball Valve with Schrader including Insulation (Box Kit)	EA	1.989	902.0



Mini Split Ball Valve Box Kits including Insulation

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV12MSBOX	1/2" Mini Split Ball Valve including Insulation (Box Kit)	EA	0.690	313.0
NBV14MSBOX	1/4" Mini Split Ball Valve including Insulation (Box Kit)	EA	0.569	258.1
NBV38MSBOX	3/8" Mini Split Ball Valve including Insulation (Box Kit)	EA	0.657	298.0
NBV58MSBOX	5/8" Mini Split Ball Valve including Insulation (Box Kit)	EA	1.010	458.0
NBV06SBOX	3/4" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	1.175	533.0
NBV07SBOX	7/8" Full Port Ball Valve with Schrader including Insulation (Box Kit)	EA	1.263	573.0



Ball Valve Caps

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
QF0801	Ball Valve Cap 1/4", 3/8", 1/2"	EA	0.000	0.0
QF0802	Ball Valve Cap 5/8", 3/4", 7/8"	EA	0.000	0.0
QF0803	Ball Valve Cap 7/8"	EA	0.000	0.0



Ball Valve Caps - *Continued*

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
QF0804	Ball Valve Cap 1-1/8"	EA	0.000	0.0
QF0805	Ball Valve Cap 1-5/8", 2-1/8"	EA	0.000	0.0
QF0806	Ball Valve Cap 2-5/8"	EA	0.000	0.0
QF0807	Ball Valve Cap 3-1/8"	EA	0.000	0.0
QF0808	Ball Valve Cap 1-3/8"	EA	0.000	0.0



Ball Valve Schrader Core

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NBV-SC	Ball Valve Schrader Core	EA	0.002	0.9



Service Ball Valve

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
SBV03	3/8" Service Ball Valve	EA	0.201	91.0



Replacement Sight Glass Core

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
NGR12	3/4" Sight Glass Only	EA	0.000	0.0



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