



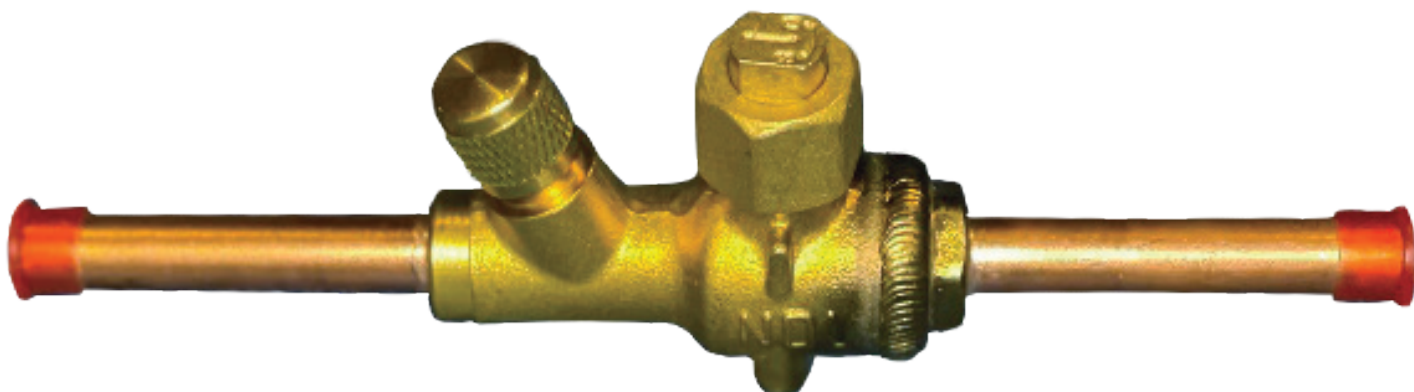
NDL Industries

## APPLICATIONS

Refrigeration, Commercial HVAC-R, VRV, VRF, Multi-mini Split, and Sub-critical Applications.

# NBV-SZ Press Compatible Ball Valves

NDL ball valves perform unlike any other in its class for leak prevention, reliability, and superior field performance.



## NBV-SZ Specifications

### Quality Tested

Tested with 95% nitrogen and 5% hydrogen solution at 450 PSIG to detect and correct any leaks before leaving the factory.

### Teflon Seals and Seats

Reduce service calls, refrigerant loss, and environmental contamination with our cone-shaped 100% virgin Teflon seals and seats that will not shrink or leak, eliminating seal replacement during changeovers.

### Bottom-Up Stem Installation

Our stem placement is engineered from the bottom up. If there is an accidental over-pressurization in the valve, it will not blow the stem out and lose the charge. Plus, using the virgin Teflon seals ensures no need for seal replacement.

### Two-Piece Cap Nut

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.

### Oven-brazed Construction

Joined together with a smooth and equal brazing process to prevent pinhole leaks.

### Unparalleled Two-year Warranty

Our warranty proves confidence, along with proudly stamping every valve with a serial number and cleanly packaging in a poly-bag to prevent contamination and malfunctions.

### Heavy-duty Full Port Valves

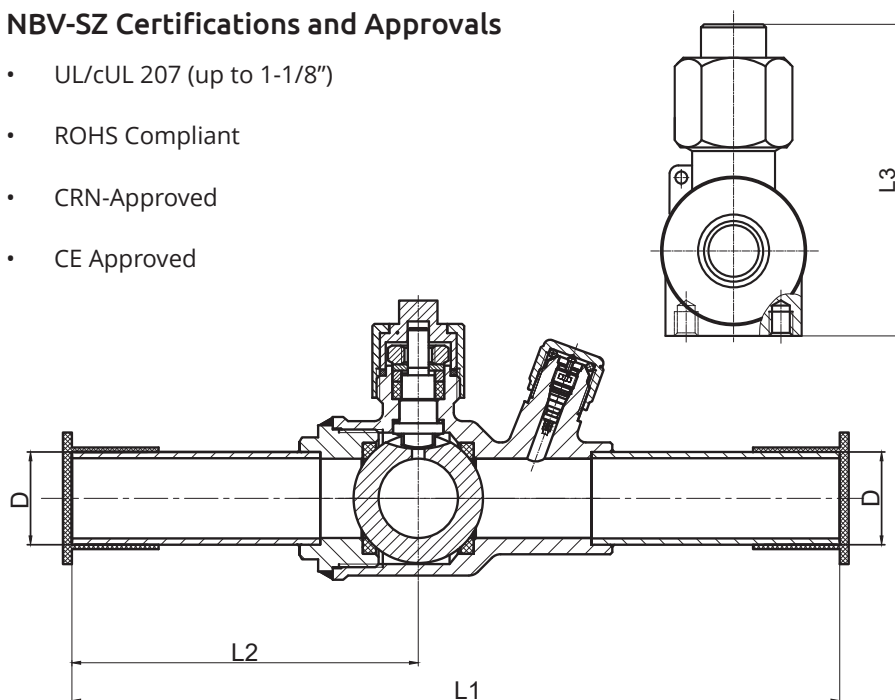
Built to last with 900 PSIG working pressure on sizes up to 7/8".



# NBV-SZ Press Compatible Ball Valves

## NBV-SZ Certifications and Approvals

- UL/cUL 207 (up to 1-1/8")
- ROHS Compliant
- CRN-Approved
- CE Approved



## NBV-IN Insulation

EPDM-based, closed cell, light-weight elastomeric thermal insulation for temperatures up to 150°C (302°F).

- Tough skin for easy installation
- Self-extinguished and does not melt when burned
- Indoor and outdoor use
- NBV-IN-S: compatible with 1/4" to 5/8" ball valves with Schrader
- NBV-IN-M: compatible with 3/4" to 7/8" ball valves with Schrader

## NBV-SZ Dimensions

| MODEL   | SIZE   | MAX. WORKING PRESSURE |     | D    |       | L1   |        | L2   |        | L3   |       | WEIGHT |       |
|---------|--------|-----------------------|-----|------|-------|------|--------|------|--------|------|-------|--------|-------|
|         |        | PSI                   | BAR | MM   | IN    | MM   | IN     | MM   | IN     | MM   | IN    | LB     | G     |
| NBV02SZ | 1/4"   | 900                   | 62  | 0.25 | 6.35  | 6.75 | 171.50 | 2.98 | 75.80  | 2.02 | 51.30 | 0.463  | 210   |
| NBV03SZ | 3/8"   | 900                   | 62  | 0.37 | 9.52  | 6.34 | 161.00 | 2.80 | 71.00  | 2.02 | 51.30 | 0.474  | 215   |
| NBV04SZ | 1/2"   | 900                   | 62  | 0.50 | 12.70 | 6.56 | 166.50 | 2.89 | 73.30  | 2.02 | 51.30 | 0.496  | 225   |
| NBV05SZ | 5/8"   | 900                   | 62  | 0.63 | 15.90 | 6.77 | 172.00 | 2.05 | 52.00  | 2.30 | 58.40 | 0.710  | 320   |
| NBV06SZ | 3/4"   | 900                   | 62  | 0.75 | 19.10 | 6.99 | 177.50 | 3.15 | 80.00  | 2.60 | 66.00 | 0.990  | 450   |
| NBV07SZ | 7/8"   | 900                   | 62  | 0.88 | 22.30 | 7.24 | 184.00 | 3.27 | 83.00  | 2.60 | 66.00 | 1.100  | 500   |
| NBV09SZ | 1-1/8" | 700                   | 48  | 1.13 | 28.60 | 8.16 | 207.20 | 3.52 | 89.50  | 3.27 | 83.00 | 1.900  | 860   |
| NBV11SZ | 1-3/8" | 700                   | 48  | 1.37 | 34.90 | 9.00 | 228.60 | 4.29 | 109.00 | 3.88 | 98.50 | 3.100  | 1,405 |