



BVS 078 806758

BV Series Ball Valves

The BVE/BVS Series refrigeration ball valves isolate suction, discharge, and liquid lines during maintenance shutdown periods.

Features

- Forged brass body with extended copper ODF connections
- Compact, lightweight, hermetic welded design
- Compatible with all A1 class and A2L class refrigerants/lubricants, as well as R-290 and R-744
- Full port design below 2" port size
- Bi-directional flow characteristics
- Valve stem cap retained by strap attached to main body
- Integrated access valve available on all sizes
- Low operating friction design

Specifications

Maximum working pressure 650 psig (45 bar)
 Fluid temperature range -40°F/C to 250°F (121°C), 302°F (150°C) short term
 UL/CUL file number SA5312
 Canadian CRN OC21506.513467890YTN

Model number nomenclature - Example: BVE 118 806739

Series	Access valve	Connection size		Unique identifier
BV	E	118		806739
Ball Valve Series	E = No S = Yes	'014 = 1/4" '038 = 3/8" '012 = 1/2" '058 = 5/8" '034 = 3/4" '078 = 7/8"	'118 = 1-1/8" '138 = 1-3/8" '158 = 1-5/8" '218 = 2-1/8" '258 = 2-5/8"	

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Connection size and type	Port size	Lay in length (in)	Without access valve		With access valve	
			Model number	Item number	Model number	Item number
1/4" ODF	Full Port	4.72	BVE 014 806730	806730	BVS 014 806750	806750
3/8" ODF	Full Port	4.72	BVE 038 806732	806732	BVS 038 806752	806752
1/2" ODF	Full Port	5.00	BVE 012 806734	806734	BVS 012 806754	806754
5/8" ODF	Full Port	5.00	BVE 058 806736	806736	BVS 058 806756	806756
3/4" ODF	Full Port	6.18	BVE 034 806737	806737	BVS 034 806757	806757
7/8" ODF	Full Port	6.18	BVE 078 806738	806738	BVS 078 806758	806758
1-1/8" ODF	Full Port	6.65	BVE 118 806739	806739	BVS 118 806759	806759
1-3/8" ODF	Full Port	9.09	BVE 138 806741	806741	BVS 138 806761	806761
1-5/8" ODF	Full Port	10.91	BVE 158 806742	806742	BVS 158 806762	806762
2-1/8" ODF	2" Port	11.69	BVE 218 806744	806744	BVS 218 806764	806764
2-5/8" ODF	2" Port	11.69	BVE 258 806745	806745	BVS 258 806765	806765

BV-series parts list

Description	Quantity (per pack)	Model number	Item number
bV Series Small Locking Seal Caps for Valve Sizes 1/4" Thru 7/8"	10 pcs.	BV 806770	806770
BV Series Medium Locking Seal Caps for Valve Sizes 1-1/8" Thru 1-3/8"	10 pcs.	BV 806771	806771
BV Series Large Locking Seal Caps for Valve Sizes 1-5/8" Thru 2-5/8"	10 pcs.	BV 806772	806772