



BVSS 012

BVSS Series Ball Valves

The BVSS Series refrigeration ball valves isolate suction, discharge, and liquid lines during maintenance shut down periods.

Features

- Forged brass body with hermetic weld design
- Copper ODF connections with standard lengths for field retrofit installations
- Compatible with all A1 class refrigerants and R32
- Full port design on all sizes
- Bi-directional flow characteristics
- Integrated access valve on all sizes (core is pre-installed)
- Brass locking seal caps

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 SA32723

Model number nomenclature - Example: BVSS 012

Series	Connection size		
BVSS	012		
Ball Valve	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" 318 = 3-1/8"

Ball valve series comparison

Feature	BVSS	BVS	BVE
Access Valve	Yes	Yes	—
Refrigerants	A1, R32	A1 & A2L, R290, R744	
Full Port	All sizes	1/4" through 1-5/8" only	
Locking Seal Cap	Brass	Plastic w/ retaining strap	
Length	Standard	—	
Mounting Holes	—	Yes	

BVSS Series Ball Valves

Connection size and type	Port size	Overall length (in)	Model number	Item number
1/4" ODF	Full Port	4.41	BVSS 014	081013
3/8" ODF	Full Port	4.96	BVSS 038	081014
1/2" ODF	Full Port	5.02	BVSS 012	081015
5/8" ODF	Full Port	5.91	BVSS 058	081016
3/4" ODF	Full Port	6.46	BVSS 034	081017
7/8" ODF	Full Port	7.46	BVSS 078	081018
1-1/8" ODF	Full Port	8.23	BVSS 118	081019
1-3/8" ODF	Full Port	9.69	BVSS 138	081020
1-5/8" ODF	Full Port	10.98	BVSS 158	081021
2-1/8" ODF	Full Port	12.60	BVSS 218	081022
2-5/8" ODF	Full Port	14.84	BVSS 258	081023
3-1/8" ODF	Full Port	16.14	BVSS 318	081024

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[BVSS 058](#) [BVSS 078](#)