

BV Series ball valves

*Hermetic welded design
for maximum reliability*



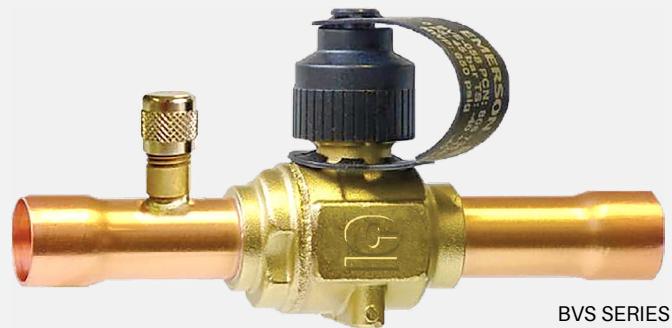
Reliability

- Forged brass body with hermetic weld design
- Copper ODF connections
- Brass locking seal caps (BVSS)
- Full port design on all sizes (BVSS)



Versatility

- Valve stem cap retained by strap (BVE, BVS)
- Models with or without access valves
- Models for multiple refrigerants, class A1, A2L, R-290, R-744, R-32
- Models for multiple lay-in lengths
- Mounting holes (BVE, BVS)



BV Series Ball Valves - Hermetic welded design for maximum reliability

Competitive comparison



COPELAND BVSS	COPELAND BVE/BVS		MUELLER AQ/AC1786	SUPERIOR 586WAS
Standard		Length	Standard	Standard
All	Below 2" Only	Fully Ported	All	All
Brass	Plastic	Cap Material	Brass	Brass
No	Yes	Cap Strap	No	No
No	Yes	Mounting Holes	Yes	No

For CO₂ or Propane use BVE or BVS

Specifications

Maximum Working Pressure	Fluid Temperature Range	UL/CUL File Number
650 psig (45 bar)	-40°F/°C to 250°F (121°C), 302°F (150°C) short term	BVE, BVS SA5312, BVSS SA32723

Ordering information

Connection size	BVSS with access valve		BVE without access valve		BVS with access valve		Length (in.)			
	Model #	Item #	Model #	Item #	Model #	Item #	BVSS	BVS	MUELLER	SUPERIOR
1/4"	BVSS 014	081013	BVE 014 806730	806730	BVS 014 806750	806750	4.41	4.72	5.50	6.50
3/8"	BVSS 038	081014	BVE 038 806732	806732	BVS 038 806752	806752	4.96	4.72	5.50	6.50
1/2"	BVSS 012	081015	BVE 012 806734	806734	BVS 012 806754	806754	5.02	5.00	6.35	6.50
5/8"	BVSS 058	081016	BVE 058 806736	806736	BVS 058 806756	806756	5.91	5.00	6.35	6.50
3/4"	BVSS 034	081017	BVE 034 806737	806737	BVS 034 806757	806757	6.46	6.18	7.45	6.56
7/8"	BVSS 078	081018	BVE 078 806738	806738	BVS 078 806758	806758	7.46	6.18	7.45	6.56
1-1/8"	BVSS 118	081019	BVE 118 806739	806739	BVS 118 806759	806759	8.23	6.65	8.42	7.69
1-3/8"	BVSS 138	081020	BVE 138 806741	806741	BVS 138 806761	806761	9.69	9.09	10.00	8.88
1-5/8"	BVSS 158	081021	BVE 158 806742	806742	BVS 158 806762	806762	10.98	10.91	11.00	9.13
2-1/8"	BVSS 218	081022	BVE 218 806744	806744	BVS 218 806764	806764	12.60	11.69	12.00	9.88
2-5/8"	BVSS 258	081023	BVE 258 806745	806745	BVS 258 806765	806765	14.84	11.69	13.50	12.92
3-1/8"	BVSS 318	081024	—	—	—	—	16.14	11.69	16.00	13.82

To learn more, visit copeland.com

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