

BVSS Series ball valves

*Hermetic welded design
for maximum reliability*



Reliability

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



Versatility

- Integrated access valve on all sizes (core is pre-installed)
- Models for multiple refrigerants, class A1, A2L, R-290, R-32
- Models for multiple lay-in lengths
- Threaded mounting holes



BVSS Series Ball Valves - Hermetic welded design for maximum reliability

Competitive comparison

	VS			
COPELAND BVSS		MUELLER AQ/AC1786	SUPERIOR 586WAS	
Standard	Length	Standard	Standard	
All	Fully Ported	All	All	
Brass	Cap Material	Brass	Brass	
No	Cap Strap	No	No	
Yes	Mounting Holes	Yes	No	

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	BVSS SA32723

Ordering information

Connection size	BVSS with access valve		Length (in.)		
	Model #	Item #	BVSS	MUELLER	SUPERIOR
1/4"	BVSS-014T	081065	4.41	5.50	6.50
3/8"	BVSS-038T	081066	4.96	5.50	6.50
1/2"	BVSS-012T	081067	5.02	6.35	6.50
5/8"	BVSS-058T	081068	5.91	6.35	6.50
3/4"	BVSS-034T	081069	6.46	7.45	6.56
7/8"	BVSS-078T	081070	7.46	7.45	6.56
1-1/8"	BVSS-118T	081071	8.23	8.42	7.69
1-3/8"	BVSS-138T	081072	9.69	10.00	8.88
1-5/8"	BVSS-158T	081073	10.98	11.00	9.13
2-1/8"	BVSS-218T	081074	12.60	12.00	9.88
2-5/8"	BVSS-258T	081075	14.84	13.50	12.92
3-1/8"	BVSS-318T	081076	16.14	16.00	13.82

To learn more, visit copeland.com

R-5260 R2 (6/24) ©2024 Copeland LP.

COPELAND