


BALL VALVE

Type BVE / BVS

Technical Bulletin

The BVE /BVS Ball valve is a fully hermetic ball valve for the Refrigeration and A/C industry.

Features

- BVS models with 7/16-20 UNF – ¼” flare connection and Schrader valve
- Two threads at valve body for easy mounting
- Hermetic design
- Compatible for high pressure refrigerants as R 410A and CO₂ (sub-critical)
- Light weight design
- Virgin PTFE seat gaskets
- Bi-directional flow characteristics
- Valve cap retained by strap attached to main body
- Pressure relief port design
- Full flow design (minimal pressure drop)
-  UL approval ; produced acc. CE requirements
- Applied Standards EN 12284, EN 378, EN12420, PED 97/23/EC, RoHS 2002/95/EC



Type BVE



Type BVS

Model		Connection Size		Weight (kg)
Type BVE	Type BVS	Inch	mm	
BVE-014	BVS-014	1/4"		0.36
BVE-M06	BVS-M06		6mm	0.36
BVE-038	BVS-038	3/8"		0.36
BVE-M10	BVS-M10		10mm	0.36
BVE-012	BVS-012	1/2"		0.36
BVE-M12	BVS-M12		12mm	0.38
BVE-058	BVS-058	5/8"	16mm	0.38
BVE-034	BVS-034	3/4"		0.66
BVE-078	BVS-078	7/8"	22mm	0.66
BVE-118	BVS-118	1 1/8"		1.04
BVE-M28	BVS-M28		28mm	1.04
BVE-138	BVS-138	1 3/8"	35mm	1.64
BVE-158	BVS-158	1 5/8"		2.43
BVE-M42	BVS-M42		42mm	2.43
BVE-218	BVS-218	2 1/8"	54mm	4.76
BVE-258	BVS-258	2 5/8"		5.54
BVE-318	BVS-318	3 1/8"		7.72

Technical Data

Maximum allowable pressure PS	45 bar
Test pressure PT	49,5 bar
Burst pressure	225 bar
Medium temp. TS	40 ... 120°C (150°C short term)

Construction	Forged brass body, Copper extension tubes, Chrome plated Ball
Medium compatibility *	HFC, HCFC, CO ₂ , Mineral, Synthetic and Polyol - Ester (POE) lubricants
Material	Body CW617N, Copper Tubes CW 024A acc. EN12420

* BVE / BVS Ball valves are not released for use with caustic, poisonous or flammable substances.