

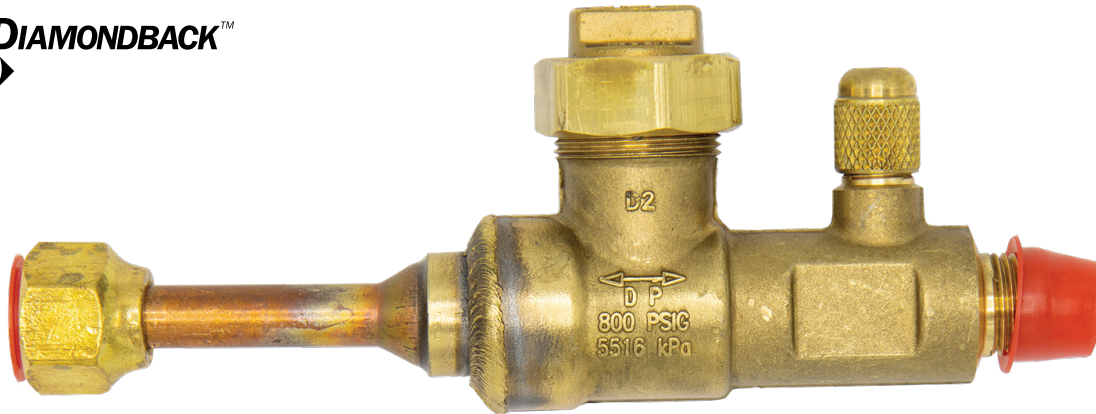
BV-FF SERIES UNIBODY BALL VALVES



Job Name:

System Reference:

Date:



SPECIFICATIONS

- Engineered for Mini-split and Multi-split HVAC Units
- Full Port Design
- 800 PSIG Rated
- R410A Compatible
- Flare Connections

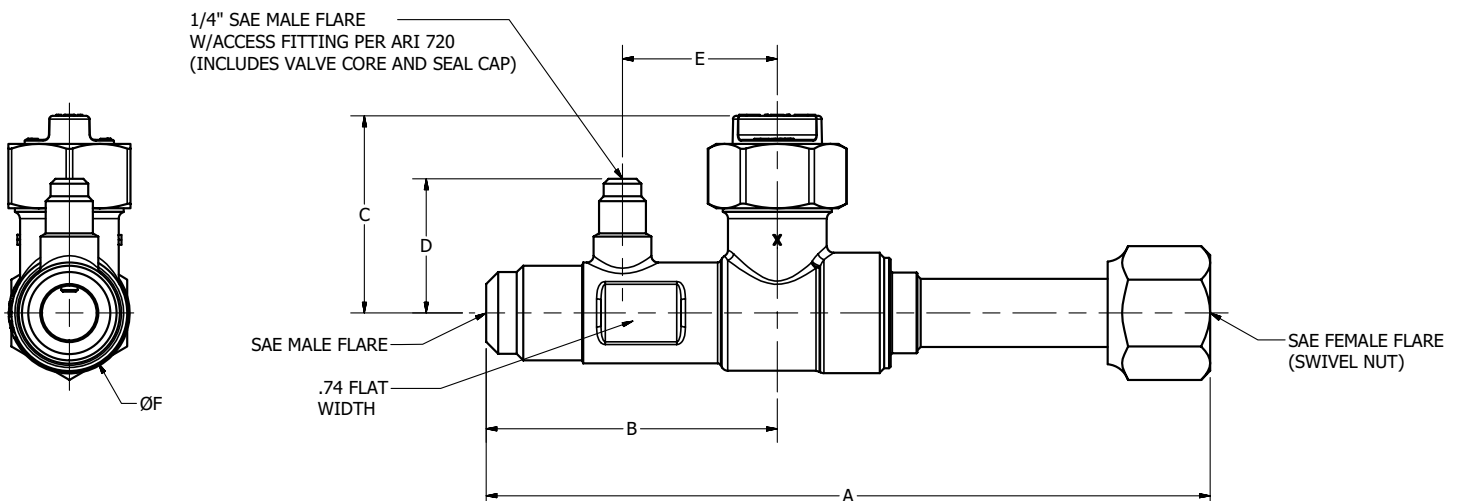
MODEL NUMBERS:

BV14FFS2, BV38FFS2, BV12FFS2, and BV58FFS2

- Size available: 1/4"; 3/8"; 1/2"; 5/8"
- Fully factory assembled
- Single piece "Unibody" design to eliminate most welded joints
- Furnace brazed and pressure tested
- Each ball valve is equipped with Schrader Valve for refrigerant service—valve rated to 700 psi
- Design working pressure: 800 PSIG
- Temperature range: -40° F to +325° F (-40° C to +149° C)
- Forged brass body and seal cap
- PTFE seals and gaskets (no synthetic O-rings)
- Seal cap design permits valve operation without removal of seal cap
- Suitable for use with R-11, R-22, R-123, R-125, R-134A, R-236FA, R-4202A, R-402B, R-404A, R-407C, R-410A, R-500, R-502, and R-507
- One year limited materials and workmanship warranty on Ball Valves
- Made in the U.S.A

Part Number	SAE	A	B	C	D	E	F
BV14FFS2	1/4"	6.26	2.67	1.81	1.23	1.42	1.10
BV38FFS2	3/8"	6.38	2.67	1.81	1.23	1.42	1.10
BV12FFS2	1/2"	6.55	2.67	1.81	1.23	1.42	1.10
BV58FFS2	5/8"	6.71	2.67	1.81	1.23	1.42	1.10

*ball valves come with an insulation piece



Specifications are subject to change without notice.

© 2021 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

BV-FF SERIES UNIBODY DESIGN BALL VALVES (INSULATION DETAILS)



Product name: Ball valve insulation

Product code: HKG-20HF

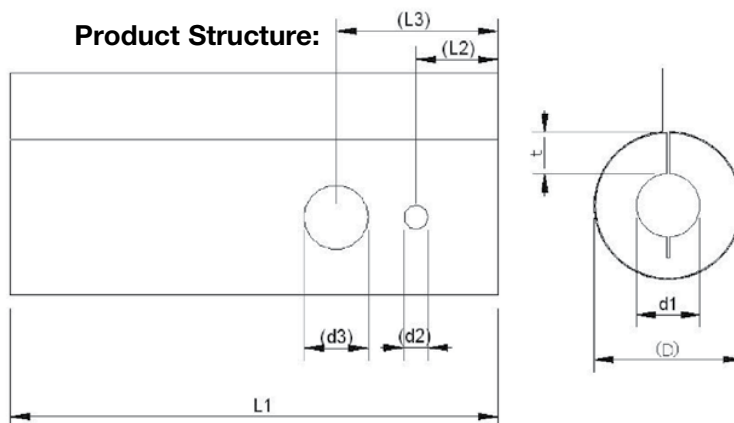
Materials:

1. Insulation: Inner and outer layer Polyethylene foam (PEF)
2. Covering: Adhesive tape of Polyvinyl chloride (PVC)
3. Separator: Soft film of Polyvinyl chloride (PVC)

Physical property:

Insulation

Product Structure:



Product Code	d1	t	(D)	L1	(d2)	(d3)	(L2)	(L3)
HKG-20HF Unit: inches (mm)	1 3/8 (30)	3/4 (20)	2 3/4 (70)	8 9/16 220	7/8 (11)	1 9/64 (29)	1 15/32 (37)	2 7/8 (73)

Performance items	Unit	Performance
Density	lb/ft3 (kg/m3)	1.87 (30)
Heat Conductivity (at 23° C)	W/m•K	0.040
Tensile Strength	N/cm2	23
Heat Resistant	° F (° C)	≤176 (≤80)
UL-94	—	HF-1

1340 Satellite Boulevard, Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com