

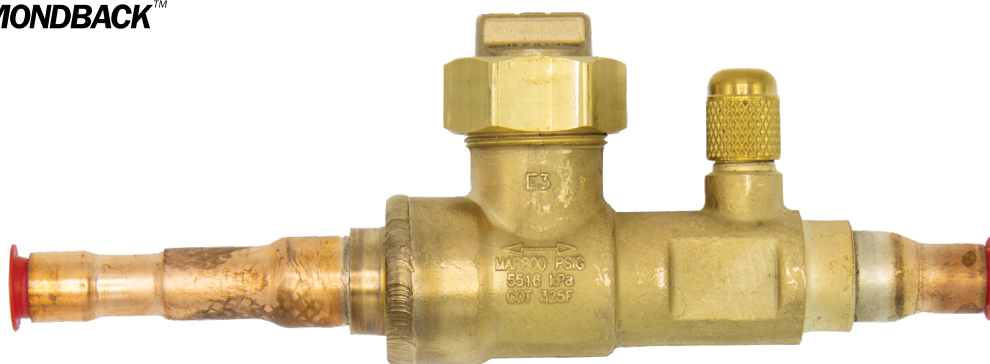
# BV-BB SERIES BALL VALVES BRAZED CONNECTIONS



Job Name:

System Reference:

Date:



## SPECIFICATIONS

- Engineered for Mini-split and Multi-split HVAC Units
- Full Port Design
- 800 PSIG Rated
- R-410A Compatible
- Brazed Connections

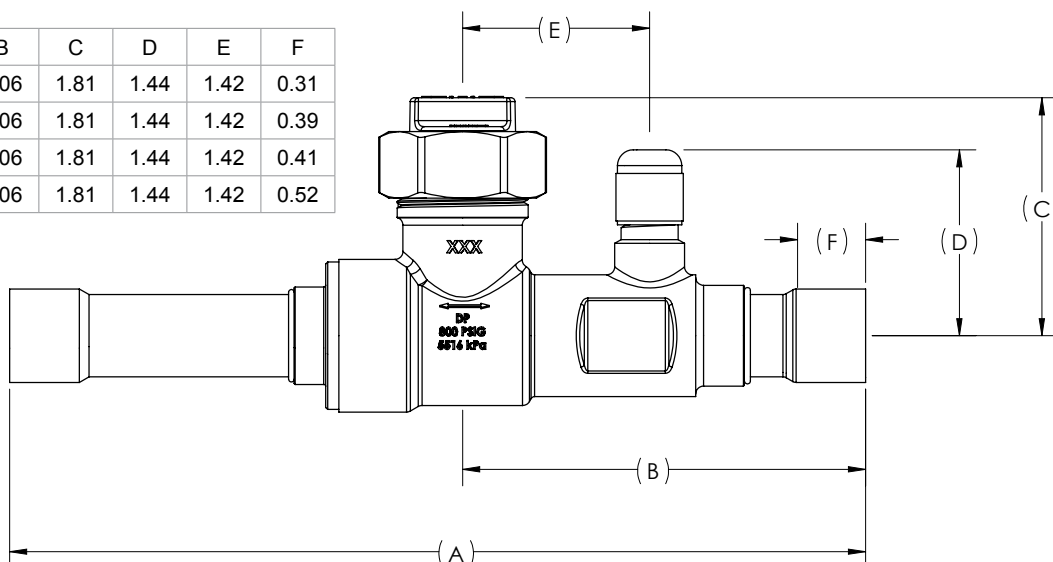
## MODEL NUMBERS:

BV12BBSI, BV14BBSI, BV38BBSI, and BV58BBSI

- Size available: 1/4"; 3/8"; 1/2"; 5/8"
- Fully factory assembled
- Furnace brazed and pressure tested
- Each ball valve is equipped with Schrader Valve for refrigerant service—valve rated to 800 psi
- Design working pressure: 700 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

\*ball valves come with an insulation piece

| Part Number | ODS | A   | B    | C    | D    | E    | F    |
|-------------|-----|-----|------|------|------|------|------|
| BV14BBSI    | 1/4 | 6.5 | 3.06 | 1.81 | 1.44 | 1.42 | 0.31 |
| BV38BBSI    | 3/8 | 6.5 | 3.06 | 1.81 | 1.44 | 1.42 | 0.39 |
| BV12BBSI    | 1/2 | 6.5 | 3.06 | 1.81 | 1.44 | 1.42 | 0.41 |
| BV58BBSI    | 5/8 | 6.5 | 3.06 | 1.81 | 1.44 | 1.42 | 0.52 |



# BV-BB SERIES BALL VALVES BRAZED CONNECTIONS (INSULATION DETAILS)



Product name: Ball valve insulation

Product code: HKG-20HF

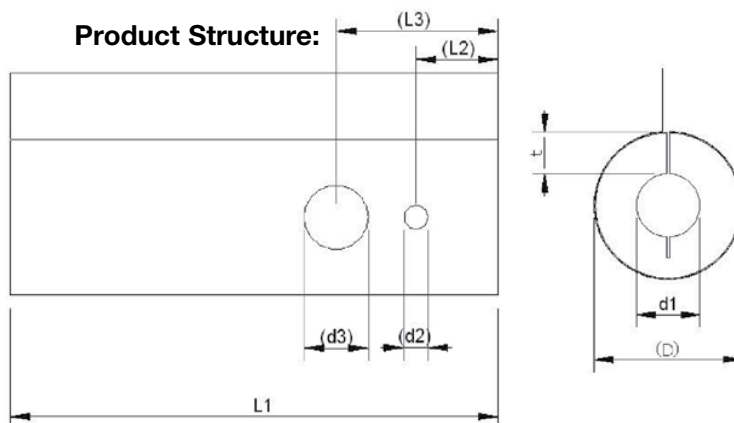
## Materials:

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<br>Unit: inches (mm) | 1 3/8<br>(30) | 3/4<br>(20) | 2 3/4<br>(70) | 8 9/16<br>220 | 7/8<br>(11) | 1 9/64<br>(29) | 1 15/32<br>(37) | 2 7/8<br>(73) |

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

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