

DRAFT



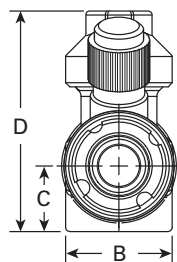
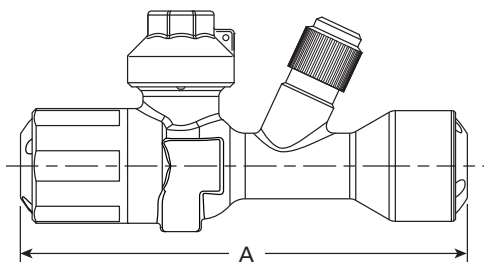
Push-to-Connect Refrigerant Ball Valve Type PZKP-BV

INSTALLATION INSTRUCTIONS
SD-469 / 62021



- Forged brass body construction with integrated ZoomLock Push connections and an access fitting.
- Factory tested to ensure positive, leak-free performance.
- Full size ports for unrestricted flow on all sizes – 1/4" through 7/8".
- Dual Teflon seals surround the polished, brass ball to prevent leakage. Stem seal and stem washer provide the primary stem seal. Bottom load stem for safety.
- Stainless steel stop plate ensures fully open to fully closed with a 1/4 turn.
- Ball internal relief port design ensures positive shut-off in either flow direction, even during system evacuation.
- All PZKP-BV ball valves are bi-directional and may be installed in any position.
- Continuous temperature range: -40°F to +248°F (-40°C to +120°C)
- Installation temperature (15 minutes max) limit: 300°F (149°C)
- Design working pressure: 870 psig (60 bar)
- U.L. Listed File No. SA5460
- The PZKP-BV ball valves are suitable for use with: R-32, R134a, R290, R404A, R407A, R407C, R407F, R410A, R448A, R449A, R454B, and R507.
- Date code stamped into valve body YYYYMMDD

Specifications



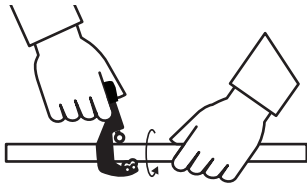
Charge port flare thread: 1/2-20UNF (optional: 7/16-20UNF)

Part Number	Model Number	Connection Size (Inch)		Connection Size (mm)			
	With Access Port	Inlet	Outlet	A	B	C	D
777170	PZKP-BV4-HNBR	1/4"		95	26	16	55
777171	PZKP-BV6-HNBR	3/8"		101	26	16	55
777172	PZKP-BV8-HNBR	1/2"		107	26	16	55
777173	PZKP-BV10-HNBR	5/8"		106	28	19	60
777174	PZKP-BV12-HNBR	3/4"		117	28	19	60
777175	PZKP-BV14-HNBR	7/8"		127	41	21	67

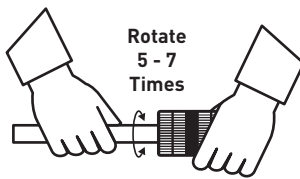
Installation

Consult Catalog K-2 for more detailed installation instructions on ZoomLock PUSH.

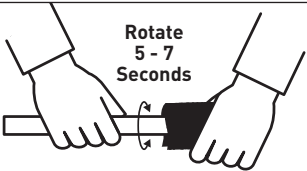
CAUTION: Do not insert fingers in the grip ring inside the ball valve. Immediate emergency medical attention may be required for removal.



STEP 1 - CUT COPPER TUBE

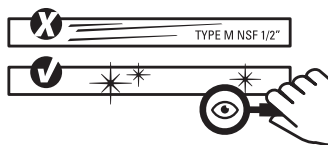


STEP 2 - DEBURR

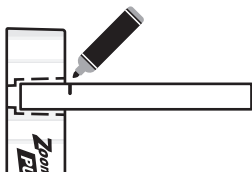


CAUTION: Avoid sanding lengthwise.

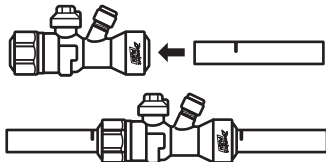
STEP 3 - SAND and CLEAN



STEP 4 - INSPECT TUBE



STEP 5 - MARK DEPTH



STEP 6 - PUSH TUBE INTO VALVE

Operation Notes

1. Remove seal cap. **CAUTION:** Pressure may be under seal cap, remove slowly.
2. Rotate stem using adjustable wrench. Turn 90° against the mechanical stops. Align open arrow with refrigerant line for non-directional flow. Turn clock-wise to close; counter-clockwise to open.
3. This valve contains mechanical stops. **DO NOT USE EXCESSIVE FORCE AGAINST STOPS OR PERMANENT DAMAGE MAY OCCUR.**
4. Install seal cap.
5. Valves are designed for use with R-32, R134a, R290, R404A, R407A, R407C, R407F, R410A, R448A, R449A, R454B, and R507.

For use with CFC, HFC, and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Sec. 9.2 where the saturation vapor pressure at 125°F (52°C) (high side) and 80°F (27°C) (low side) is less than the maximum design working pressure. After charging, mark unit with refrigerant type and oil type.

NOTICE: DO NOT DISASSEMBLE VALVE FOR ANY REASON.

NOTE: WARRANTY IS VOID IF THESE INSTRUCTIONS ARE NOT FOLLOWED.

