

**BPV SERIES BULLET PIERCING VALVES**



The ONLY Valve with a Permanent Type, Patented Gasket Application!

- Patented Valve Gasket Application Provides 50 Times More Sealing Area than Competitive “O” Ring Types
- A Sealing Force of Over 180 Inch lbs., Torque Tested with 500 lbs., Pressure Tested at 250°F
- Precision Piercing Needle is Engineered for Concentricity and Hardness to Insure Perfect Seating Every Time
- Nonpositional Mounting - No Adapter Valve Required
- Requires Only a 2” Clearance Area for Installation and Operation
- Hex Key Wrench Included - No Additional Tools Required
- Corrosion Resistant Plated
- Max 500 PSIG operating pressure
- Can use on low side of R410 only

| Part No. | O.D. Tubing Size  | Packaging |
|----------|-------------------|-----------|
| BPV31*   | 1/4", 5/16", 3/8" | 12/Box    |
| BPV31D*  | 1/4", 5/16", 3/8" | 48/Box    |
| BPV21*   | 1/2", 5/8"        | 8/Box     |
| BPV14    | 1/4"              | 12/Box    |
| BPV56    | 5/16"             | 12/Box    |
| BPV38    | 3/8"              | 12/Box    |
| BPV34    | 3/4"              | 1/Box     |
| BPV78    | 7/8"              | 1/Box     |

\*Note: BPV31 and BPV21 are furnished with adapter sleeves for indicated multiple use applications

**A1 & A2 ADJUSTABLE LINE TAP VALVES**



Signature Series of Clamp-On Line Tap Valves Provide Easy Access to System Refrigerant Without Having to Evacuate System.

- Patent Depressor Valve Action
- Mounts in Any Position
- Retracting Needle for Maximum Flow
- Designed for Permanent Use on System
- Hex Wrench and Adapter Sleeves Included
- Max operating 800 PSIG

| Part No. | Tube Size O.D.    |
|----------|-------------------|
| A1       | 1/4", 5/16", 3/8" |
| A2       | 1/2", 5/8"        |

**CA1 ACCESS CONTROL VALVE**



Controls the Flow of All 1/4” SAE Male Flare Depressor Type Valves.

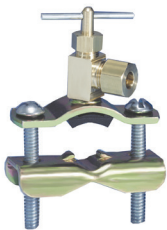
- Purging Port for Air Removal and Safety
- Steel Construction
- Use with Standard Charging Hose

**FTV12 SELF TAPPING VALVES**



- For Humidifiers, Oil Lines and Steam Systems
- Maximum Operating Pressure 500 PSI
- 3/8” SAE Flare
- 1/2” Steel or Brass Pipe Approx. 7/8” O.D

**STV2LL SELF-TAPPING WATER VALVE**



- Self Piercing on Copper Tubing or 0.035” Wall Hard PVC
- Fits 3/8” O.D. Through 1 3/8” O.D. Tubing or Pipe
- Can be Installed on Pipe with Existing Hole
- Stainless Steel Piercing Needle
- Low Lead
- Complies with the SDWA Section 1417 (d)
- Molded Gasket has a Two Stage Seal on Both Tubing and Valve
- Threaded Bottom Bracket for Easy Installation
- Includes all Fittings for Copper and Plastic Tubing
- Maximum Water Temperature 180°F/82°C

| Part No. | Flow Rate | Outlet     | Piercing Needle    | Application    | Comments                           |
|----------|-----------|------------|--------------------|----------------|------------------------------------|
| STV2LL   | 1GPM      | 1/4” Comp. | 1/8” Dia. (hollow) | Ice Maker Kits | Reversible lower bracket, low lead |

**STV2DLL CONVENTIONAL “DRILL” TYPE VALVE**



- Must Pre-Drill 1/4” Hole in Pipe or Tubing
- Increased Water Flow from Standard Water Valve
- Fits Up to 1 3/8” O.D. Copper Tubing
- Fits 1/2” or 3/4” Galvanized Iron Water Pipe
- Flow Rate: 1 GPM
- Maximum Water Temperature 180°F/82°C
- Includes All Fittings for 1/4” O.D. Copper and Plastic Tubing
- Low Lead
- Complies with the SDWA Section 1417 (d)
- Refer to specs on STV2LL above