

Valves & Fittings

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

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
BPV36	3/16"	12/Box
BPV56	5/16"	12/Box
BPV38	3/8"	12/Box
BPV12	1/2"	8/Box
BPV58	5/8"	8/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

PART NO.	TUBE SIZE OD (IN.)
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



Valves & Fittings

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	1 GPM	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)



FTV12

SELF-TAPPING VALVES

- For Humidifiers, Oil Lines and Steam Systems
- Maximum Operating Pressure 500 PSI

PART NO.	BRANCH TAP FITTING	APPLICATION
FTV12	3/8" SAE Flare	1/2" Steel or Brass Pipe Approx. 7/8" O.D.

Not intended for gas applications.



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LINE SERVICE VALVES

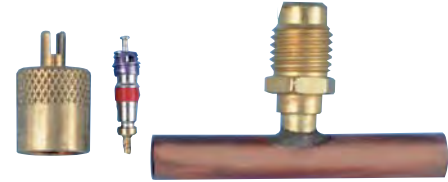
PART NO.	DESCRIPTION	PIPE THREAD
SF1010	1/8" copper tubing, wrench cap and core	—
SF2525	1/4" copper tubing, wrench cap and core	—
SF3600	1/8" ID hole, 3/16", 1/4", 5/16" steps, 1/8" MPT below hex wrench cap and core	—
SF3602	1/4" copper tubing, 3/16" & 1/8" copper bushings, wrench cap and core	1/8" m.



PART NO.	DESCRIPTION	PIPE THREAD
SF3603	3/16" copper tubing, wrench cap and core	1/8" m.
SF3604	1/4" copper tubing, wrench cap and core	1/8" m.
SF3605	5/16" copper tubing, wrench cap and core	—
SF3606	3/8" copper tubing, wrench cap and core	—
SF3608	1/8" copper tubing, wrench cap and core	1/8" m.

SF5421 TEE FITTING SERVICE VALVE

Copper Tee with the Body Brazed on. Furnished Complete with Core and Wrench Cap. The 1/4" I.D. x 5/16 O.D. Will Service 1/4", 5/16", and 3/8" Tubing.



SF5000 SERIES SADDLE VALVE COPPER TO COPPER

Completely Self Tapping. Steel Pin with Core Penetrates Line and is Locked Into Valve Body in One Operation, Simply by Tightening the Cap.

PART NO.	TUBING
SF5512	1/2" O.D.
SF5514	1/4" O.D.
SF5516	5/16" O.D.
SF5518	1 1/8" O.D.

PART NO.	TUBING
SF5534	3/4" O.D.
SF5538	3/8" O.D.
SF5558	5/8" O.D.
SF5578	7/8" O.D.



REPLACEMENT GASKET

PART NO.	DESCRIPTION
SF5501	25 per pack



SF3338 ACCESS VALVE

- Replaces A-1 F6290 (AV3-346)
- Standard 1/4" SAE Male Flare Connection
- Built in Valve Core and Brass Caps
- 3/16" OD or 1/4" & 3/8" Solder
- 100 Pack



AVU24 ACCESS VALVE

- 1/8" MPT x 1/4" SAE



REFRIGERATION

Valves & Fittings

SF8400 SERIES ECONOMY SERVICE VALVES

- Braze Only
- Includes SF1515 Core

PART NO.	I.D. HOLE	O.D.
SF8400	1/8"	3/16", 1/4", 5/16" Step
SF8408	1/8" Tube, 3/16", 1/4", 5/16" Step	
SF8403	3/16" Tube, 1/4" Step	
SF8404	1/4" Tube	
SF8405	5/16" Tube	
SF8406	3/8" Tube	

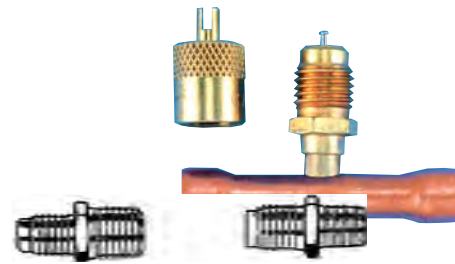


SF8000 SERIES UNIVERSAL LINE VALVES

Available in Various Sizes. Copper Tee with the Body Brazed on. Two Styles - a Flared or Straight End Copper Piece. (See Chart Below for Exact Size)

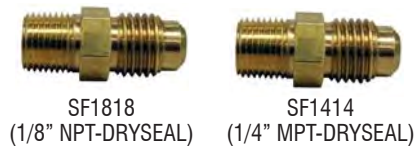
PART NO.	LENGTH	I.D.	O.D.
SF8418	1 7/8"	1 1/8"	1 1/4"
SF8434	1 5/16"	3/4"	13/16"
SF8478	1 9/16"	7/8"	1"

PART NO.	LENGTH	I.D.	O.D.
SF8412	1 3/4"	1/2"	9/16"
SF8414	2 9/32"	1/4"	5/16"
SF8416	2"	5/16"	3/8"
SF8438	2"	3/8"	1/2"
SF8458	2"	5/8"	11/16"



SF1818 AND SF1414 BRASS BODIES

- Both Bodies Complete with Neoprene Seal, Core and Cap
- Each is a Quarter Male Flare Above the Hex



VALVE REPLACEMENT PARTS

PART NO.	DESCRIPTION
SF2235	Heavy Duty Hex Brass Cap with Dual Neoprene or Metal Seal
SF2245	Heavy Duty Round Brass Cap with Neoprene Seal
SF2250	Heavy Duty Round Brass Cap with Handy Core Wrench Top and Neoprene Seal
SF4450	Valve Core with Neoprene Seal Compatible with Most Refrigerants (Replaces SF1515)
SF5161	5/16" OD Neoprene Hose Gasket for Charging Hoses



ADAPTERS/COUPLERS

Quick Valve Depressors Complete with Leakproof Neoprene Seal and Depressor Tips. Use to make Connection between Equipment with Unlike Threads. Made of CDA 360 Brass. Available in Straight and 90° Configuration.

PART NO.	DESCRIPTION
SF2010	1/4" female flare swivel x 1/4" male flare access, 90° configuration. Depressor tip and seal, no valve core.
SF2012	1/4" female flare swivel x 1/2" Acme male, depressor tip and seal
SF2020	1/4" female flare hex x 1/2" Acme male
SF2028	1/4" male flare x 1/2" Acme female swivel, depressor tip seal



SF2035 HOSE GAS RETAINING COUPLER

- 1/4" Female Flare Retainer Sure-Seal x 1/4" Male Flare



Valves & Fittings

SF2060 & SF5050 THUMBSCREW CORE DEPRESSORS

For Use on a 1/4" Male Flare to Allow the Core to be Opened to the Degree of Flow Desired. Solid Brass Construction. Compact Design Makes it Ideal in Close Quarters.



PART NO.	DESCRIPTION
SF2060	For 1/4" Male Flares
SF5050	For 1/4" Male Flares. Made Small for Use in Close Quarters

SF2070 HOSE GAS RETAINER AND CORE DEPRESSOR TOOL

This Tool is Attached to a Charging Hose, then it is Coupled to an Access Fitting. Thumb Screw the Depressor Tip Down to Depress the Core and Allow Gas to Flow Through the Hose. Thumb Screw Back to Allow the Core to Shut Off. The Depressor Tip Rod will Back Seat in a Teflon Gasket to Retain the Gas in the Hose. There will be no Loss of the Gas in the Hose When you Disconnect from the Access Fitting. Replaces Gasket SF1090.



SF2090 HOSE GAS RETAINING COUPLER

• 90° 1/4" Female Flare Retainer x 1/4" Male Flare



SF2595 & SF2597 GAUGE ADAPTER

SF2595 A 1 1/4" Piece of 1/4" Copper Tubing, Double Flared on One End with a 1/4" Female Flare Nut and a Depressor Tip. The End of the Copper Tube Opposite the Female Flare has been Swagged to Allow 1/4" Copper Tube to Enter for Brazing.

SF2597 A 1 1/4" Piece of 1/4" Copper Tubing, Double Flared on One End with a 1/4" Female Flare and a Depressor Tip. The Other End has a 1/4" Male Flare that has been Brazed on. A Core May be Inserted in the 1/4" Male Flare, but it is not Provided.



SF5014 GAUGE ADAPTER

• 1/4" Male Flare to 3/16" Fittings. Contains Depressor Pin.



SF8725 CONNECTOR

The SF8725 has a Gasket in the 1/4" Hex Nut. The Valve Body is Stationary. When Threads of Existing System Fittings are Stripped and a New Core won't go in, use this. It has a Core and no Depressor Tip.



TEE CONNECTORS

PART NO.	DESCRIPTION
SF9601	1/4" M. Flare x 1/4" Flare Nut wth Depressor Tip x 1/4" M. Flare on the Branch with One Valve Core
SF9602	1/4" M. Flare with Valve Core x 1/4" M. Flare x 1/4" F. Flare Nut with Depressor Tip on the Branch
SF9603	All Brass Connector Tee. 1/4" M. Flare with Valve Core and Cap x 1/4" M. Flare x 1/4" F. Flare Nut with Depressor Tip on the Branch



REFRIGERATION

Valves & Fittings

SF9600 SERIES 1/4" FLARE FORGED ACCESS TEES

- Forged Brass Tee
- All 1/4" Flares are Threaded for Valve Cores



PART NO.	SIZE	MPT END I.D.
SF9614	1/4" m. flare x 1/4" MPT x 1/4" m. flare access on branch, one cap	5/16" for brazing a copper tube and one valve core
SF9616	1/4" m. flare x 1/8" MPT x 1/4" m. flare access on branch, one cap and	1/4" for brazing a copper tube valve core
SF9620	1/4" m. flare x 1/4" m. flare x 1/8" MPT on branch, one cap and valve core	1/4" for brazing a copper tube

SF9644 CONNECTOR

2 1/4" Male Flares, One with Core and Cap, in a "U" Shape. At the Side is a 1/4" Female Depressor Tip and Opposite that is an Additional 1/4" Male Flare.



GASKET "O" RINGS

PART NO.	ID SIZE	DESCRIPTION
SF0099	5/32"	Used for SF5050 Valve
SF0101	1/4"	-
SF0111	5/16"	Black Rubber (Used for SF3900)

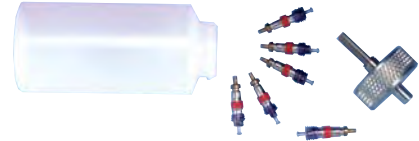
PART NO.	ID SIZE	DESCRIPTION
SF1060	3/16"	Used in Brass Caps
SF1090	5/16"	Black Rubber (Used for SF2070)
SF5501	1/4"	White Teflon (Used for SF5500 Series)



Valve Tools

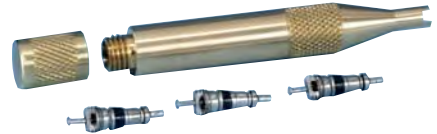
SF3800 CHASER

- Two Tools, a Core Wrench and Thread Chaser, Complete with a Core Carrying Case and Six Cores
- Length With Core Wrench Lid 3 1/2"



SF3813 VALVE CORE REMOVER/CONTAINER

- Heavy-Duty, All Brass
- Includes 3 Valve Cores
- Length is 3"



CORE REMOVAL TOOLS

PART NO.	DESCRIPTION
SF3900	Designed for Removing and Replacing a "Schrader" Type Core, Without Losing the Charge. All Brass Construction.
SF3910	Same as Above with an Additional Side Port (1/4" Male Flare) with Core.

Not Compatible with R-410A



CORE REMOVAL TOOLS (WITH BALL VALVE)

PART NO.	DESCRIPTION
SF3920	Removes a Valve Core from a 1/4" Male Flare Access Fitting Without Loss of Refrigerant. Because it has a Ball Valve Inside Rather than a Stem-type Valve, the Tool Can be Closed with Just a Quarter Turn.
SF3930	Same as Above with an Additional Port
SF5555	CRT Repair Kit (O-Rings)

Not Compatible with R-410A

