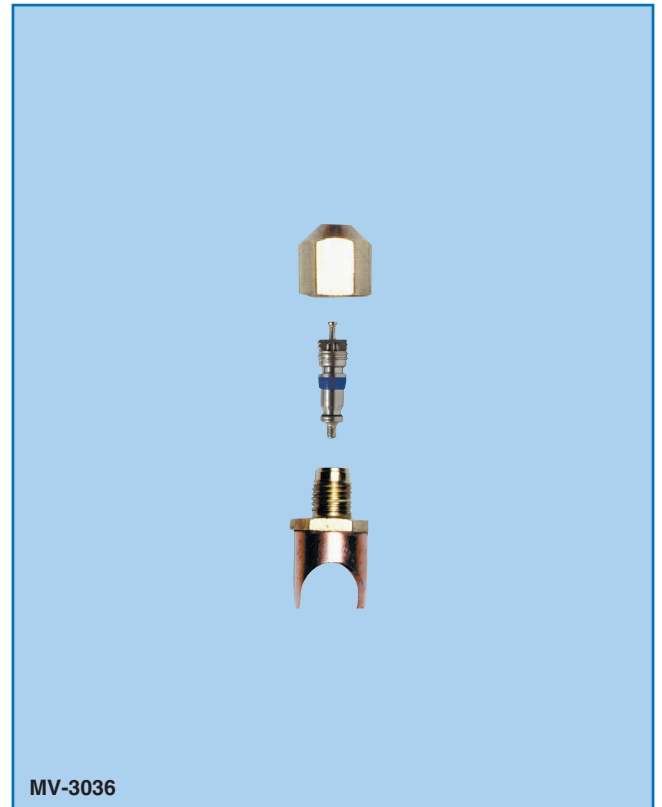


## SOLDER TYPE PIERCING VALVES

### “V-SERIES” SERVICE VALVES SPECIAL “BRAZE-ON” TYPE

<b>MV-3036</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 3/16" tube.
<b>MV-3094</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 1/4" tube.
<b>MV-3098</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 3/8" tube.
<b>MV-3092</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 1/2" tube.
<b>MV-3095</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 5/8" tube.
<b>MV-3034</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 3/4" tube.
<b>MV-3078</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 7/8" tube.
<b>MV-3018</b>	<b>V-SERIES VALVE</b> 1/4" MFL (+ core & cap) x for 1 1/8" tube.

- Copper saddle valves for special use with MV-3090 piercing attachment tool and any core removal tool MV-39.. series
- Available for **8 sizes** of copper tubing.
- These ports are similar to the “M-SERIES” fittings but are internally threaded to house a valve-core.
- Copper to copper brazing of tubing under pressure.



## “BOT” STINGER ADAPTER BRASS TO COPPER VALVES

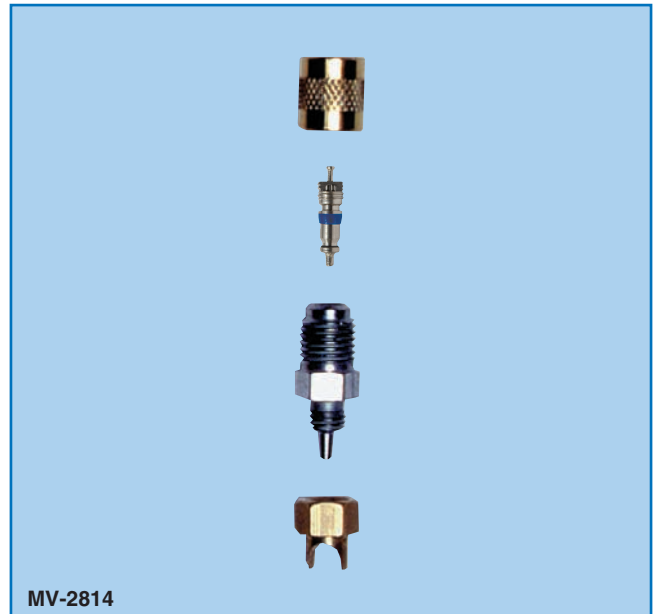
<b>MV-2814</b>	1/4" MFL (+ core & cap) x for	1/4" tubing.
<b>MV-2816</b>	1/4" MFL (+ core & cap) x for	5/16" tubing.
<b>MV-2838</b>	1/4" MFL (+ core & cap) x for	3/8" tubing.
<b>MV-2812</b>	1/4" MFL (+ core & cap) x for	1/2" tubing.
<b>MV-2834</b>	1/4" MFL (+ core & cap) x for	3/4" tubing.
<b>MV-2878</b>	1/4" MFL (+ core & cap) x for	7/8" tubing.

- Four-way seal between body and saddle:
  - 1- Press saddle onto line.
  - 2- Apply flux and braze to line.
  - 3- Allow to cool.
  - 4- Screw body with core into saddle.
  - 5- Evacuate and charge the system. Replace cap.
- Hex saddle and hex body permit using wrench and counterwrench.

### INSTRUCTIONS:

Braze SADDLE (copper/copper) then realize an automatic crimp following steps **1, 2, 3** and **4**.

Tightening CAP crimps firmly brass edgeover top of the PIN.



## “M-SERIES” COPPER TO COPPER “BRAZE-ON” SERVICE VALVES

<b>MV-5514</b>	1/4" MFL (+ core & cap) x for 1/4" tubing.
<b>MV-5516</b>	1/4" MFL (+ core & cap) x for 5/16" tubing.
<b>MV-5538</b>	1/4" MFL (+ core & cap) x for 3/8" tubing.
<b>MV-5512</b>	1/4" MFL (+ core & cap) x for 1/2" tubing.
<b>MV-5558</b>	1/4" MFL (+ core & cap) x for 5/8" tubing.
<b>MV-5534</b>	1/4" MFL (+ core & cap) x for 3/4" tubing.
<b>MV-5578</b>	1/4" MFL (+ core & cap) x for 7/8" tubing.
<b>MV-5518</b>	1/4" MFL (+ core & cap) x for 1 1/8" tubing.

- The “**M SERIES**” are the first and best “**BRAZE-ON**”, self-piercing copper saddle valves.
- **NOTE:** It is widely used and easily installed on a charged line.
- After brazing the saddle portion onto line, the steel pin with valve-core penetrates the line and is locked into place simply by tightening the cap. Available **from 1/4" to 1 1/8"**.

### INSTALLATION INSTRUCTIONS:

- 1- Prepare line and clean tube. Remove cap and pin.
- 2- Flux or solder paste saddle. Press copper saddle onto line firmly (use pliers). Heat and braze it.
- 3- Let cool then insert pin with TEFLON “O” Ring into body.
- 4- Put on cap and tighten it with wrench (use another backwrench on hex pad). As cap is tightened, steel pin penetrates tubing.
- 5- Last turn crimps brass edgeover top of pin for secure forming 1/4" male flare SAE end.
- 6- Remove cap and the valve is ready to use for permanent charging, testing, etc... Replace and tighten the cap or place another cap type with gasket if needed.

