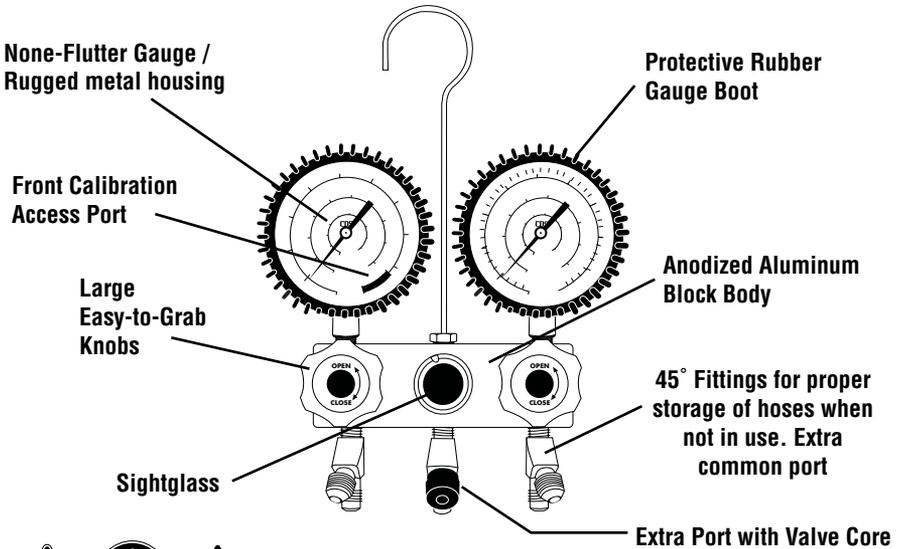


# CPS®

# VORTECH™ 2 VALVE MANIFOLD



## GENERAL SAFETY INSTRUCTIONS

**ONLY QUALIFIED SERVICE PERSONNEL SHOULD OPERATE THIS UNIT. MOST STATES, COUNTRIES, ETC... MAY REQUIRE THE USER TO BE LICENSED. PLEASE CHECK WITH YOUR LOCAL GOVERNMENT AGENCY.**

**Danger-** Avoid breathing refrigerant vapors and lubricant vapor or mist. Breathing high concentration levels may cause heart arrhythmia, loss of consciousness, or even cause suffocation. Exposure may irritate eyes, nose, throat, and skin. Please read the manufacturer's Material Safety Data Sheet for further safety information on refrigerants and lubricants.

**Danger- EXPLOSION RISK.** Use extreme caution when working with flammable refrigerants. Never use this manifold with Oxygen.

**Danger- EXPLOSION/RUPTURE RISK. DO NOT** use this manifold with unregulated nitrogen, carbon dioxide or other very high pressure gasses. Unregulated gasses can cause components in a refrigeration system to rupture. Severe Injury or Death can occur.

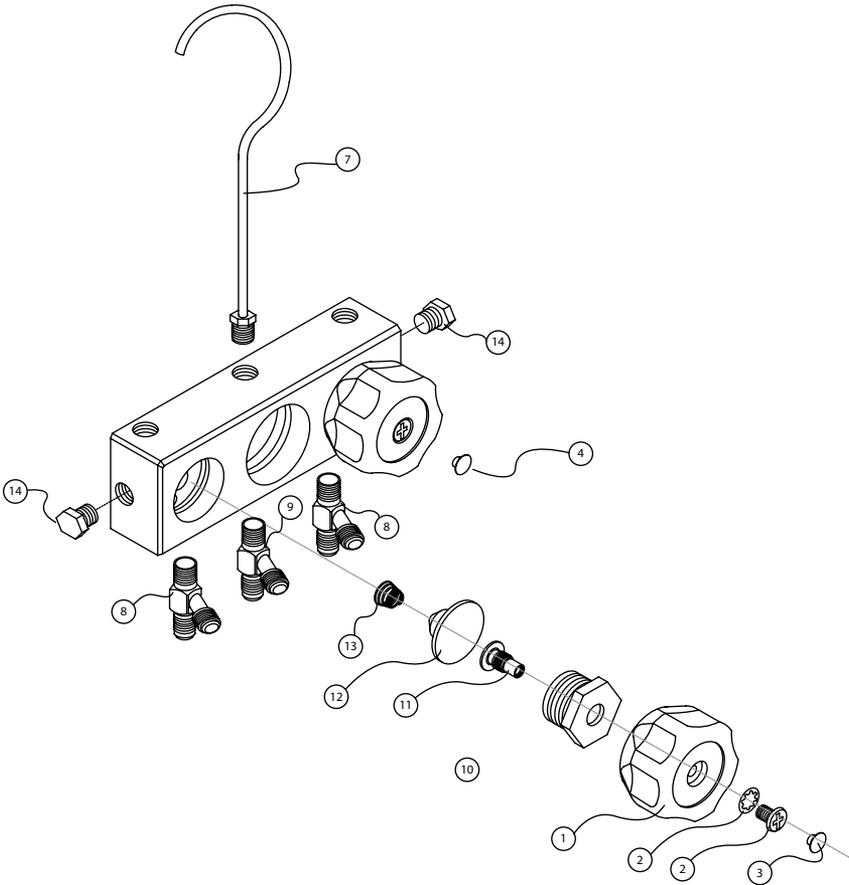
**Caution-** all hoses may contain liquid refrigerant under pressure. Contact with refrigerant may cause frostbite or other related injuries. Wear proper personal protective equipment such as safety goggles and gloves. When disconnecting any hose, please use extreme caution.

## 2 WAY MANIFOLD FUNCTION

1. The right side hand knob (red) will control the flow to the right side port.
2. The left side hand knob (blue) will control the flow to the left side port.
3. The center port is used from common connection to vacuum pump, recovering unit or refrigerant supply tank. The center port is also equipped with a tee fitting with valve core. This allows for dual hook up between vacuum pump and refrigerant supply tank.
4. Low Pressure gauge measures pressure on the left side port with the left side valve closed.
5. High Pressure gauge measures pressure on the right side port with the right side valve closed.



## SERVICE PARTS LIST: 2V VVS MANIFOLDS



CPS P/N	Items (qty.)	Description	2V Models
MVXK	1,2,3,4,5,6	Black Knob w/covers w/screw	MV2,MV3,MV7, MV8, MV11
MVXTD	12,13	VVS Valve Repair Kit	MV2,MV3,MV7, MV8, MV11
MV2XRK	12(2), 13(2)	2V VVS Valve Repair Kit	MV2,MV3,MV7, MV8, MV11
MXMH	7	Hook Hanger	MV2,MV3,MV7, MV8, MV11
42-691	10	VVS Packing Nut	MV2,MV3,MV7, MV8, MV11
42-694	11	VVS Stem	MV2,MV3,MV7, MV8, MV11
40-147	8	1/4 SAE STR Fitting	MV8
42-109	8	1/2 ACME STR Fitting	MV7
40-396	9	1/4 SAE TEE with Core	MV2,MV3,MV8
40-397	8	1/4 SAE Tee with Dummy	MV2, MV3
40-398	9	1/2-20 Tee with Core	MV11
40-399	8	1/2-20 Tee with Dummy	MV11
40-388	9	1/2 ACME Tee with Core	MV7
42-120	14	Low Side R 134a fitting	MV7, MV8
42-121	14	High Side R134a fitting	MV7, MV8
41-003	14	Plugs	MV2, MV3, MV11



**WORLD HEADQUARTERS**

**1010 East 31st Street, Hialeah, Florida 33013, USA**  
**Tel: 305-687-4121, 1-800-277-3808, Fax: 305-687-3743**  
**e-mail: cpssales@cpsproducts.com www.cpsproducts.com**

**CPS CANADA**

**4605 Chrysler Ave. Niagara Falls, Ontario L2E 3V6**  
**Tel: 905-358-3124, Fax - 905-358-7187, 1-866-629-3895,**  
**e-mail: cpscanada@bellnet.ca**

**CPS PRODUCTS N.V**

**Krijgsbaan 241, 2070 Zwijndrecht, Belgium**  
**Tel: (323) 281 30 40, Fax: (323) 281 65 83, www.cpsproducts.be,**  
**e-mail: info@cpsproducts.be**

**CPS AUSTRALIPTY. LTD.**

**109 Welland Avenue, Welland, South Australia 5007**  
**Tel: +61 8 8340 7055, Fax: +61 8 8340 7033**  
**e-mail: sales@cpsaustralia.com.au**

**CPS ASIA**

**56A Kallang Pudding Road #02-00 Singapore Road 349329**  
**Tel: (65) 68461056, Fax: (65) 68461054**  
**e-mail: cpsasia@singnet.com.sg**