



MES-PVE3250CLM-SP

## DOT 100# SERVICE VALVE WITH GAUGE PORT INSTALLATION AND OPERATING INSTRUCTIONS

### !WARNING!

Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage and personal injury or death.

Install, operate and maintain Marshall Excelsior Co. equipment in accordance with federal, state, and local codes and these instructions. The installation in most states must also comply with NFPA standards 58 and 59.

Only personnel trained in the proper procedures, codes, standards and regulations of the LP-Gas should install, maintain and service this equipment. Be sure all instructions are read and understood before installation, operation and maintenance. These instructions must be passed along to the end user of the product.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

### !CAUTION!

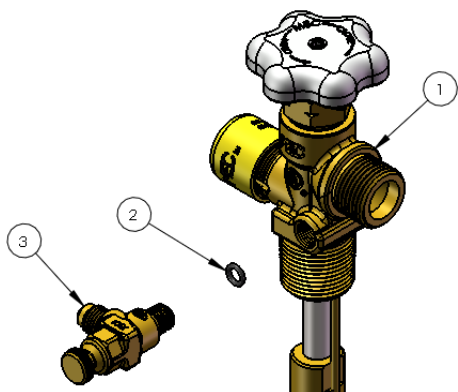
Contact or inhalation of liquid propane and its vapors can cause serious injury or death. LP-gas must be released outdoors in air currents that will insure dispersion to prevent exposure to people and livestock. LP-Gas must be kept far enough from any open flame or other source of ignition to prevent fire or explosion! LP-Gas is heavier than air and will not disperse or evaporate rapidly if released in still air.

### SCOPE OF THE MANUAL

This manual covers instructions for maintenance of the MES-PVE3250-SP series of tank-mounted DOT 100# service valves, and the installation of the provided Gauge Valve.

### INTRODUCTION

The MES-PVE3250-SP service valve contains a modified Gauge Valve that installs into the vent port in place of a standard adjusting screw, for use with low-pressure vapor products such as butane. This valve allows the installation of either a gauge to determine existing system pressure, or a female flared connection to withdraw product.



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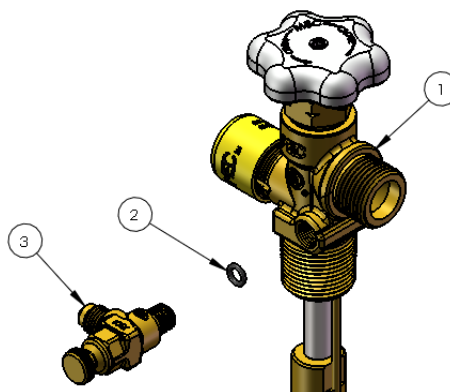
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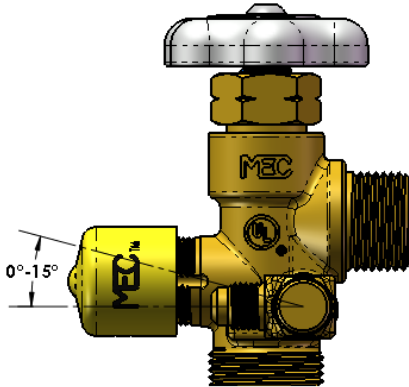


## MAIN VALVE INSTALLATION

### !WARNING!

Relieve all system pressure prior to installation of main valve. Ensure Gauge Valve is fully closed before installation.

1. Install Main Valve [1] into the storage system, using square flats on body to apply torque.
2. Apply Lubriplate or equivalent grease to packaged O-ring [2]; install O-ring into vent port of Main Valve [1]
3. Apply provided thread locker packet, or equivalent high-strength thread locker, to male threads of Gauge Valve [3]
4. Install Gauge Valve [3] into Main Valve [1]. Ensure valve is oriented as shown when installation is complete, remove excess thread locker.



5. Connect the main valve to a pressure source of at least 150 psi. Check for leaks at Gauge Valve connection using a suitable leak detector solution such as "Marshall Excelsior" leak detector.

### !CAUTION!

**DO NOT USE THE VALVE IF ANY JOINT CONTINUES TO LEAK UNDER PRESSURE**

## SERVICE, REPLACEMENT AND MAINTENANCE

- Inspect the Gauge Valve regularly. If its opening is clogged with foreign matter or if it shows any sign of tampering or is dented, bent or damaged in any way, replace the entire valve.
- For inspection and maintenance of the Main Valve, follow the standard directions on Form #1121 – MES-PVE3250 Series
- For replacement of bonnet assembly, see Form #MES-R-3329 (Form #1114) – Bonnet Repair Kit

## Marshall Excelsior Company

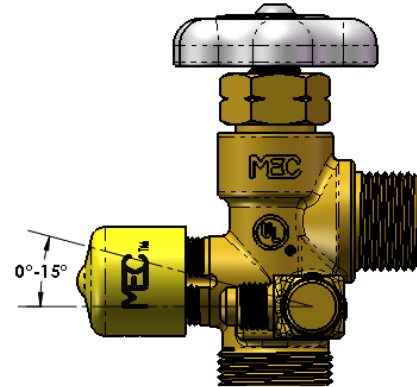
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[www.marshallexcelsior.com](http://www.marshallexcelsior.com)

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