



# MEP700

## Methanol Injector Instruction Manual



### 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 Pamphlet #58, ANSI K61.1 and DOT standards.

Only personnel trained in the proper procedures, codes, standards, and regulations of the LP-Gas or anhydrous ammonia (NH<sub>3</sub>) industries should install and service this equipment.

### INTRODUCTION

#### SCOPE OF MANUAL

This manual covers instructions for the type MEP700 Liquid Methanol Injector.

#### DESCRIPTION

This device allows liquid methanol to be injected into stationary liquid propane cylinders and tanks to prevent condensation and freezing.

#### SPECIFICATIONS

Connection: 1-1/4 Female Acme Vapor Coupling  
Capacity: 42 ounces of liquid methanol  
Maximum Pressure: 250 PSIG

#### OPERATION

1. Remove 1" NPT pipe plug and fill with desired amount of methanol up to 42 ounces.
2. Reinstall 1" NPT making sure proper seal has been made.
3. Connect vapor coupling to 1-1/4 Acme cylinder inlet valve until a hand tight connection is made.
4. Slowly open the cylinder valve fully.
5. Open the control valve located on the neck of the methanol injector.
6. Slowly open the bleed valve located on the top of the methanol injector 1 (one) turn. This will equalize the pressures between the cylinder and injector allowing the methanol to flow into the cylinder.

7. Close bleed valve.
8. Close control valve.
9. Close cylinder valve.
10. Disconnect injector from cylinder.

### CAUTION

**Never attempt to refill injector with methanol while connected to propane cylinder**

### MAINTENANCE

A simple preventive maintenance program for the injector and its controls will eliminate potential problems.

Marshall Excelsior Co. recommends these steps be conducted at least once a month:

1. Inspect the operating lever to see that it operates freely.
2. Confirm the control valve fully opens and closes without sticking. Keep the injector control valve free of any build-up of corrosion or other foreign material. Such a build-up could prevent the control valve from closing which could jam the injector in the open position. Do not permit this condition to occur.
3. Inspect and clean all operating controls.

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