

# ME519 - Safety Warning

**Purpose:** The intent of this bulletin is to remind LP-Gas dealer managers and service personnel that proper attention and care are critical during the installation, inspection, maintenance and use of **Marshall Excelsior** valves. Inadequate attention or care while working with LP-Gas valves could result in serious injury and/or property damage.

## Nature of Safety Warnings

All service personnel must understand all safety warnings to ensure proper procedures and maintenance are consistently practiced. This notice does not fulfill the requirements for a complete approach of the subject of installing Quick Connect Coupler (QCC) valves; it does not cover all the required safety practices to follow during installation, operation, maintenance and/or use of LP-Gas systems. Confirm all employees are familiar with the safety requirements related to the LP-Gas industry.

## ME519 High Capacity Quick Connect Coupler Valve (QCC)

### FEATURES

- High Capacity Flow Rating (400,000 BTU per hour)
- Common Connection (1-<sup>5</sup>/<sub>16</sub>" ACME x <sup>1</sup>/<sub>4</sub>" MNPT)
- Easy System Installation (<sup>7</sup>/<sub>16</sub>" wrench flats on body)
- User Friendly (Easy grip coupling handle)
- Positive Seal (Gas does not flow until completing a good connection to the OPD)
- Thermally Sensitive (Unique Patent Pending design to completely stop the flow of gas when activated)
- Approved (listed with Underwriters Laboratories)
- Unique Look (**Red** coupling handle)

### INSTALLATION

Install the **ME519 red** coupling nut (1-5/16" ACME) directly to a Type 1 OPD valve on top of the LP-Gas tank.

**WARNING** – The **ME519** utilizes two safety features to control the flow of gas in case of an emergency involving the escape of a flammable material such as propane. Properly install the **ME519** per the following information to achieve both safety features.

1. One safety feature requires direct connection to an approved Type 1 Overfill Protection Device (OPD) valve. In case a fire envelops the QCC, the valve automatically disconnects from the OPD when the temperature of the valve exceeds 300°F. This action causes the cylinder valve (with OPD) to shut off the flow of propane.

2. The second safety feature involves the excess flow valve integral to the QCC. Properly size all downstream connections and devices so their combined flow rating exceeds the flow rating of the excess flow device. The **ME519** has an excess flow rating of approximately 400,000 BTU per hour. Proper installation will include the following critical considerations:

- A. **Properly size the downstream system** (this includes the pressure reducing regulator, pipe and/or hose, and all connections/fittings).
  - a. Confirm the system's downstream pressure reducing regulator capacity exceeds the rating of the excess flow device.
  - b. Confirm the length and size of the pipe or hose and all connections allow for the same unrestricted flow noted above.
- (Design the downstream system large enough to handle between 25% and 50% more capacity than your rated excess flow device. In the case for the **ME519**, design the downstream system to handle an unrestricted flow exceeding 500,000 to 600,000 BTU per hour).
- B. **Do not use on Recreational Vehicles (RV's).** The capacity of the **ME519** exceeds the safe limit for installation into any RV. **Do not install the ME519 in any RV application!**

3. **Intended for outdoors use only.**

### General Warning

Confirm the use of all products with the appropriate materials. **DO NOT** use products specified for use with one material (such as propane) with another material. Marshall Excelsior designed their QCC valves for use with propane.

Marshall Excelsior Quick Connect Coupler valves may eventually fail due to wear, contamination, corrosion and aging of parts made of metal and/or synthetic materials. The working environment for products supplied by Marshall Excelsior determines the safe service life for these products. Periodic inspection and maintenance of these products are necessary and critical to maintain a good working environment. Advise end-users to replace the Marshall Excelsior QCC when the product looks damaged or otherwise suspect.