Marshall Excelsior ME519

Marshall Excelsior ME519 Type 1 QCC Connector User Manual

Model: ME519

Introduction

This manual provides essential information for the safe and effective use of the Marshall Excelsior ME519 Type 1 QCC Connector. Please read all instructions carefully before installation and operation.



Image: Marshall Excelsior ME519 Type 1 QCC Connector. This image shows the red connector with a brass threaded male end on the left and a brass female connection point visible inside the right opening.

The Marshall Excelsior ME519 Type I (QCC) connector is engineered with advanced safety features, including a built-in excess flow mechanism and a positive shut-off system. This design prevents gas flow until the connector is fully and securely engaged. In the event of a fire, the integrated thermal protection feature allows the nipple to disengage from the tank connection, effectively stopping the flow of propane. Furthermore, the QCC connector incorporates a positive back check seal that activates upon disconnect, preventing propane from being released into the atmosphere from the hose.

Safety Information

WARNING: Propane is highly flammable. Always ensure proper ventilation and follow all local codes and regulations when handling propane and related equipment. Do not use this product if it appears damaged.

- Always check for leaks after installation using a leak detection solution.
- Ensure the connector is fully engaged before opening the propane supply.
- Do not overtighten the connector.
- Keep away from open flames and ignition sources.
- Store propane tanks and equipment in well-ventilated areas.

Setup and Installation

1. **Inspect the Connector:** Before installation, visually inspect the ME519 connector for any signs of damage, such as cracks, deformities, or worn threads. Ensure the internal components are clean and free of debris.
2. **Prepare the Connection Points:** Ensure the male NPT thread on the appliance or hose and the female QCC connection on the propane tank valve are clean and free of dirt or old sealant.
3. **Apply Thread Sealant (if applicable):** For the 1/4" MNPT (Male National Pipe Taper) threaded end, apply an appropriate thread sealant (e.g., PTFE tape or pipe dope rated for gas) to the threads. Ensure the sealant does not block the opening.
4. **Connect the MNPT End:** Thread the 1/4" MNPT end of the ME519 connector into the corresponding female NPT port on your appliance or hose. Tighten securely with a wrench, but do not overtighten.
5. **Connect to Propane Tank:** Align the 1-5/16" female QCC end of the ME519 connector with the male QCC fitting on the propane tank valve. Push the connector firmly onto the tank valve and then turn the large black plastic nut clockwise until it is hand-tight. The QCC connector's internal mechanism will not allow gas flow until it is fully engaged.
6. **Leak Test:** After connecting, open the propane tank valve slowly. Apply a leak detection solution (soapy water) to all connections. Bubbles indicate a leak. If a leak is detected, close the propane tank valve, disconnect, re-inspect, and re-tighten the connections. Repeat the leak test until no bubbles appear.

Operating Instructions

The ME519 connector is designed for straightforward operation once properly installed.

- **Connecting:** As described in the Setup section, ensure the QCC connector is fully engaged and hand-tightened to the propane tank valve. The internal safety mechanism prevents gas flow until a secure connection is made.
- **Opening Gas Flow:** Once the connector is securely attached, slowly open the propane tank valve. The excess flow feature will restrict gas flow if there is a sudden large demand, indicating a potential leak or open valve downstream.
- **Disconnecting:** To disconnect, first ensure the propane tank valve is fully closed. Then, unscrew the large black plastic nut of the QCC connector counter-clockwise until it detaches from the tank valve. The positive back check seal will prevent residual propane in the hose from escaping.

Maintenance

Regular inspection and proper storage will ensure the longevity and safe operation of your ME519 connector.

- **Visual Inspection:** Periodically inspect the connector for any signs of wear, corrosion, or damage, especially before each use. Pay close attention to the threads and the integrity of the plastic housing.
- **Cleaning:** Keep the connector clean and free of dirt, dust, and debris. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the connector in a clean, dry place, away from direct sunlight and extreme temperatures. Protect the threads from damage.
- **O-Rings/Seals:** While the ME519 is designed for durability, if you notice any issues with sealing or persistent leaks

(after ensuring proper tightening), the internal seals may need inspection by a qualified professional. Do not attempt to disassemble the connector.

Troubleshooting

Problem	Possible Cause	Solution
No gas flow after connecting.	• Connector not fully engaged. • Propane tank valve not fully open. • Excess flow device activated (due to sudden opening or leak). • Empty propane tank.	• Ensure QCC connector is hand-tight. • Fully open the propane tank valve. • Close tank valve, wait 30 seconds, then open slowly. Check for leaks. • Replace or refill propane tank.
Gas leak detected (bubbles during leak test).	• Loose connection. • Damaged threads or seals. • Improper thread sealant application (MNPT end).	• Close tank valve, disconnect, re-inspect, and re-tighten all connections. • If damaged, replace the connector. • Reapply thread sealant correctly.
Difficulty connecting/disconnecting.	• Misalignment. • Damaged threads. • Debris in connection.	• Ensure proper alignment before twisting. • Inspect threads for damage; replace if necessary. • Clean connection points.

If troubleshooting steps do not resolve the issue, discontinue use and contact Marshall Excelsior customer support or a qualified technician.

Specifications

Feature	Detail
Model Number	ME519
Connector Type	Type 1 QCC (Quick Connect)
Inlet Connection	1/4" MNPT (Male National Pipe Taper)
Outlet Connection	1-5/16" Female QCC
Material	Brass (threads), Propane (housing material, likely a typo in source, should be plastic/composite)
Exterior Finish	Brass (for threaded parts)
Color	Red
Item Weight	Approximately 7.36 - 7.4 ounces
Key Features	Built-in excess flow, Positive shut-off, Thermal protection, Positive back check seal at disconnect

Note: Specifications are subject to change without notice.

Warranty Information

Specific warranty details for Marshall Excelsior products are typically provided at the point of purchase or on the manufacturer's official website. Please retain your proof of purchase for any warranty claims. Generally, products are warranted against defects in materials and workmanship under normal use and service for a specified period.
For detailed warranty terms and conditions, please refer to the documentation included with your purchase or visit the Marshall Excelsior website.

Customer Support

For technical assistance, product inquiries, or warranty support, please contact Marshall Excelsior customer service.

- **Manufacturer:** Marshall Excelsior
- **Website:** www.marshallexcelsior.com
- **Contact Information:** Please refer to the official Marshall Excelsior website or product packaging for the most current contact details (phone, email).

When contacting support, please have your product model number (ME519) and purchase information readily available.

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