



# ME951 AND ME952 SERIES 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.

Marshall Excelsior Co. equipment must be installed, operated, and maintained in accordance with federal, state, and local codes and Marshall Excelsior Co. instructions. The installation in most states must also comply with NFPA No. 54 and 58 standards.

Only personnel trained in the proper procedures, codes, standards, and regulations of the LP-Gas industry should install and service this equipment.



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



### Things to tell the gas customer:

1. Show the customer the connection outlet(s).  
Stress that the outlet(s) should remain free from foreign material and debris, and that the dust cap(s) should be installed over the outlet(s) when an appliance is not connected to the Gas Box. Tell the customer to check the outlet opening(s) for foreign material or dirt that may have collected before connecting an appliance to the Gas Box.
2. Show the customer the shut-off valve(s) located inside the Gas Box.  
The shut-off valve(s) should be turned off when an appliance connected to the Gas Box is not in use. The customer should close the shut-off valve(s) immediately if gas is smelled, a connected appliance fails to light, or any other abnormal situation occurs.
3. Tell the customer to call your company if the Gas Box should require any service or repair.  
**Only a qualified gas serviceman should install or service the Gas Box.**

### Introduction

#### Scope of manual

This instruction manual covers installation and maintenance for part number series ME951 and ME952 Gas Box convenience gas outlets. These products are designed for use on LP-Gas vapor service applications. **They are not to be used on liquid service.**

#### Description

The Marshall Excelsior Gas Box is available in single (ME951) and dual (ME952) outlet models. The Gas Box is designed for permanent outdoor installations and can be connected to tank pressure or first stage 10 psig portions of the gas supply piping in the permanent LP-Gas supply system. Colors available: Black, Ivory, and Gray.

### Product Specifications

**Maximum allowable inlet pressure:** 250 psig    **Temperature capabilities:** -40°F (-40°C) to 200°F (93.3°C)    **Gas supply:** LP-Gas vapor service  
**Inlet connection:** ½"-14 NPT female    **Outlet Connection(s):** 1 5/16" Male Acme – Standard Type I QCC / Female .885-14NGO-LH POL

### Flow rate / Capacity specifications

#### Model ME951 – Single outlet \*

750,000 BTU/HR – 100 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)  
450,000 BTU/HR – 10 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)

#### Model ME952 – Dual outlet \*

##### **One outlet closed**

750,000 BTU/HR – 100 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)  
450,000 BTU/HR – 10 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)

##### **Both outlets open (at each outlet)**

750,000 BTU/HR – 100 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)  
325,000 BTU/HR – 10 psig inlet pressure / Outlet regulated @ 9.5 – 13 in. W.C. (11" nom.)

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\* These are average capacities and may change slightly due to pressure drop depending on individual installation conditions and length of gas supply runs for the service line. The BTU capacities shown will be further reduced by the flow limiting device in the female type I connection provided with the appliance being attached to the Gas Box.

## Installation

### General installation instructions

#### *Before installing the Gas Box:*

- Check for damage, which might have occurred in shipment.
- Check for and remove any dirt or foreign material, which may have accumulated in the inlet or outlet connections.
- Apply pipe compound to the male 1/2" NPT threads of service line pipe or riser before installing into Gas Box inlet.

#### **Installation Location**

- Select a location that offers a solid mounting surface for the Gas Box.
- The installed Gas Box should be adequately protected from vehicular traffic and damage from other external sources.
- Do not install the Gas Box in a location where there can be excessive water, snow, or ice accumulation.
- The Gas Box can be installed with the outlets facing down or to the side, using the universal mounting hardware and stand-offs provided with the kit. The installation location may require alternate mounting hardware as determined by the installer. The Gas Box should never be installed with the outlets facing up, as dirt, water, snow, and ice could collect in the outlets.



#### **Gas supply**

- The Gas Box is designed to operate at full tank pressure (max. 250 psig) or first stage service pressure (10 psig). The service line can be tapped at the tank before the first stage regulator or at any point in the 10 psig service line between the first stage regulator and the second stage regulator.
- The Gas Box and service line must be installed in accordance with federal, state, and local codes. The installation in most states must also comply with NFPA No. 54 and 58 standards.
- Before putting the Gas Box into service, all joints made during installation must be checked for leaks using a leak detector solution.

## Operation

### General operation instructions

- **!!!WARNING!!!** – Appliances connected to the Gas Box **MUST** have a low pressure regulator with the output pressure regulated @ 9.5 – 13 in. W.C. (11" nom.)
- With the shut-off valve(s) closed, connect the appliance to the Gas Box by turning the appliance connector onto the Gas Box outlet until hand tight.
- Slowly turn the shut-off valve on the outlet being used to the open position (1/4 turn). The flow arrow on the Shut-off valve should be pointing toward the outlet in use.
- Test the connection joint for leaks using a solution of soap and water (look for bubbles). If bubbles appear there is a leak. Disconnect the appliance and check the Gas Box outlet for foreign material or dirt. If the leak continues, do not use the Gas Box (call gas company for service)
- When connection of the appliance is complete you are ready to use your new Gas Box. Always refer to the lighting and operation instructions provided with your appliance.

#### Safety tips

- When the Gas Box is not in use, always return the shut-off valves to the closed position.
- If you use an appliance extension hose, make sure it does not pose a trip hazard. The appliance extension hose should be disconnected from the Gas Box when not in use.

#### Trouble shooting

- Your appliance connector (and the connector on the appliance extension hose, if used) contains an excess-flow safety shut-off device. If your appliance fails to light, this device may have activated. Turn off the appliance, and the Gas Box. Disconnect the appliance from the Gas Box and repeat the connection process.



## Accessories

Marshall Excelsior Co. offers convenient hose extensions for connection of various LP-Gas appliances to your new Gas Box. These are available through your local gas distributor.

**MER428-60:** 5' Appliance extension gas hose assembly

**MER428-120:** 10' Appliance extension gas hose assembly