

#### !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 equipment must be installed, operated, and maintained in accordance with federal, state, and local codes and MEC instructions. The installation in most states must also comply with NFPA 58 and NFPA 54 standards.

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

#### !DANGER!

Black changeover lever must be rotated as far as possible towards reserve cylinder before disconnecting empty cylinder.

Failure to rotate changeover lever and / or disconnection of hose while indicator is red will result in a propane gas leak which, if ignited, may cause property damage, bodily injury, or death.

#### Description

The MEC Automatic Changeover Regulator automatically redirects LP gas vapor flow from an empty designated service cylinder to a reserve cylinder, without interruption of service. It is ideal for use with Recreational Vehicles (RV's), small cottages and cabins.

#### !CAUTION!

The MEC regulators are to be installed or adjusted by qualified LP Gas service personnel only. Contact a qualified LP dealer for installation.

#### Operation

Ensure that the regulator has been mounted with the vent pointing downward so that water or debris cannot gather in the regulator. Place one of the two cylinders in "primary" by switching the black changeover lever in the direction of the selected cylinder. The arrow on the lever will denote the "primary" side. Open both cylinder valves slowly. The indicator on the top of the regulator will turn green.

The "primary" side of the regulator will continue to supply gas as long as sufficient gas is present in the "primary" cylinder. When pressure in the cylinder drops below a designated pressure, the "reserve" side will open and continue to primary gas to the regulator. At the time that the "primary" cylinder becomes exhausted, the indicator on the changeover lever will turn red indicating a cylinder change can be made.

#### Cylinder Exchange

Prior to removing the empty cylinder, position the black changeover lever so that it points to the alternate cylinder that is now supplying the regulator. Close the valve on the empty cylinder and remove. After the empty cylinder is refilled and



FIGURE 1: MEGR-253 AND MEGR-253H

reconnected, slowly open the cylinder valve. The new cylinder is now the reserve cylinder. The indicator at the top of the regulator will turn green.

#### !WARNING!

Never check for leaks with an open flame. Do not check for leaks using ammoniated or chlorinated household type detergents. Only use a solution of water and liquid soap to check for leaks. These can cause cracks to form on the metal tubing and brass fittings. If the leak cannot be located, take the unit to a LP Gas service representative.

#### Specifications:

##### BTU Capacity (propane)

SPECIFICATIONS				
Part Number	Inlet Pressure	Outlet Setting Pressure	Primary Capacity & BTU/HR	Reserve Capacity & BTU/HR
MEGR-253	100 PSI	11" W.C.	225,00*	150,000
MEGR-253H	100 PSI	11" W.C.	350,000*	200,000

Inlet: 1/4" NPT  
 Outlet: 3/8" NPT  
 UL Listed to UL 144

- \* Based on 100 PSIG inlet pressure and 20% droop at manufacturer's set point.
- \* Manufacturer's set point = 100 PSIG Inlet and 11" W.C. outlet flowing at 30 SCFH propane.

