

# Marshall Excelsior



## Gas Connections

### MEGR-164SR GAS REGULATOR

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## MEGR-164SR GAS REGULATOR

### INSTALLATION:

The MEC high-flow MEGR-164SR is designed for LPG & Natural gas service. The maximum supply pressure is 250 PSI.

Qualified personnel only should perform installation, operation and maintenance in accordance with NFPA Standards 54 & 58 and other local, State and Federal Regulations.

Clean all pipe line to remove dirt and scale before installation is made. Apply minimum amount of pipe compound to male threads of gas line only. Install regulator in gas line: body is fitted with a 1/2" NPT for inlet and outlet connections. The words "IN" and "OUT" are cast into body to indicate the direction of flow. Regulator can be mounted in any position without affecting its operation. Avoid undersized fittings that will limit flow through the regulator and cause pressure drop downstream. The use of a filter to remove dirt and liquid in the gas line ahead of the regulator is recommended for best performance.

### OPERATION:

The MEGR-164 is a high capacity regulator that provides a uniform output pressure independent of supply pressure variations.

Before putting the regulator into service for the first time, relieve pressure on the range spring by turning the adjusting assembly counterclockwise. To operate, turn the pressure adjusting assembly slowly in a clockwise direction until required downstream pressure is obtained. Turned in this direction, the range spring compresses causing increased output pressure.

### MAINTENANCE:

The Regulator is easily disassembled for the occasional cleaning or removal of foreign matter. Before this is done, however, shut off valve upstream of the regulator to prevent escape of gas when regulator is disassembled. There is no need to remove the regulator from the pipe line; remove the (2) #8-32 screws on the bottom of the unit and pull out the pintle assembly. Wash inner valve assembly with solvent exercising care to avoid damaging diaphragms and valve facings. (Avoid such solvents as acetone, carbon tetrachlorethylene.) Replace assembly carefully.

The vent hole (1/4" NPT) in the bonnet should be kept clear. The unit must be able to exhaust excess pressure through this port.

### TO INSTALL REPLACEMENT PARTS:

1. Order replacement parts.
2. Shut off gas supply.
3. To replace "O"-Ring and Pintle assembly, see disassembly instructions above under "Maintenance".
4. To replace Diaphragm assembly:  
Remove adjusting assembly, (6) #8-32 screws securing bonnet, guide, range spring, and diaphragm assembly.  
Install diaphragm assembly and other parts in reverse order. Be sure to align bonnet vent hole with the "in" port.

0-15 PSIG Range Spring (Yellow)  
0-30 PSIG Range Spring (Red)  
1-60 PSIG Range Spring (Blue)  
2-100 PSIG Range Spring (Orange)  
2-150 PSIG Range Spring (Green)