



# FAIRVIEW FITTINGS & MFG. LTD.

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## Gas-Flo® - GR-9984P Two Stage Automatic Changeover Regulator.

### Warning

Be sure all instructions are read and understood before installation, operation and service.  
Failure to do so may result in an explosion or fire causing severe injury or death.

### Danger

Prior to disconnecting an empty cylinder fully rotate the black changeover lever towards the reserve cylinder.  
Failure to do so will result in an LP Gas leak which may cause severe injury, death or property damage.

#### Specifications:

##### BTU Capacity (propane)

Service Cylinder: 345,000 BTU/H\*

Reserve Cylinder: 200,000 BTU/H\*

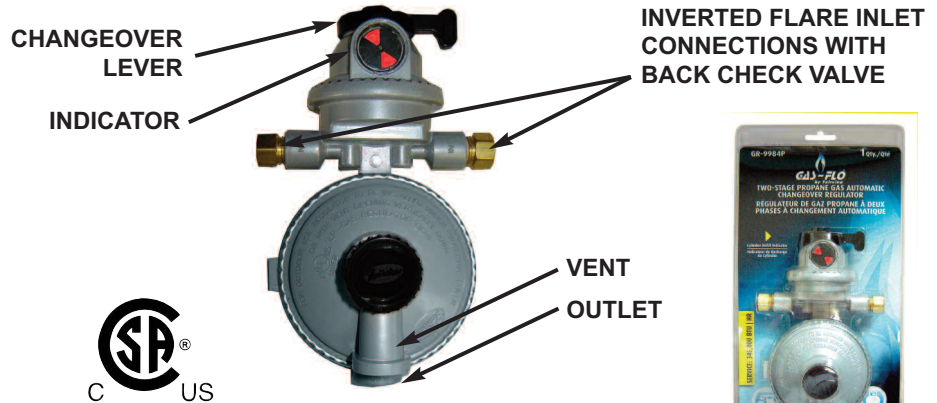
Inlets: 1/4" Female Inverted Flare (2)

Outlet: 3/8" Female NPTF

CSA Approved to U.L. 144

\*Based on 25 PSIG inlet pressure and 9" W.C. outlet pressure at manufacturer's set point.

\*\* Manufacturer's set point = 100 PSIG Inlet and 11" W.C. outlet at 40 SCFH propane.



The Fairview **X-SERIES** Two Stage regulator meets RVIA requirements for use on recreational vehicles

#### Caution

This regulator should be installed and adjusted by a qualified LP Gas technician. Contact a qualified LP Gas contractor or dealer for installation.

The Fairview Automatic Changeover Two Stage Regulator combines a high pressure first stage and a low pressure second stage regulator into a single unit, with an automatic changeover system designed to supply uninterrupted LP Gas on two cylinder installations. The unit is ideally suited for LP Gas systems for Recreational Vehicles (RV's), small cottages and cabins.

#### Installation:

1. The regulator must be installed in compliance with the Codes and Standards in place in the jurisdiction where the regulator is to be installed.
2. Install regulator outdoors only.
3. The regulator is intended for propane vapour service only. DO NOT CONNECT TO PROPANE LIQUID SYSTEMS.
4. Use a regulator mounting bracket to attach the regulator firmly in place with the vent pointing downward or under a protective cover.
5. To minimize the possibility of debris/insects blocking the vent keep the vent cover in place.
6. Use an approved pipe dope or tape when making steel threaded connections.
7. Use flexible QCC1 type hose connectors to connect the two regulator inlets to the two LP Gas cylinder service valves.
8. Test connections for leaks using either a commercial leak detector solution or an electronic detector calibrated for propane.

#### Placing LP Gas cylinder in service:

1. Prior to placing a LP Gas cylinder in service, turn all appliances to the "off" position and ensure there are no open LP Gas lines in the system.
2. Place one of the two connected LP Gas cylinders into service by rotating the black changeover lever in the direction of the selected cylinder.
3. The "service" arrow on the lever points towards the cylinder in service.
4. Open both cylinder service valves slowly.
5. The indicator on top of the regulator will turn from red to green.

#### Operation:

1. The cylinder in service will continue to supply LP Gas until the pressure in the cylinder drops below a designated set point at which time the reserve side of the regulator opens providing LP Gas from the reserve cylinder.
2. The indicator on top of the regulator will turn from green to red indicating that the reserve cylinder is now supplying LP Gas to the system.
3. Prior to disconnecting the empty cylinder, rotate the black changeover lever in the direction of the cylinder now in service.
4. Close the cylinder service valve on the empty cylinder.
5. Disconnect the empty cylinder by removing the QCC1 Type connection from the cylinder service valve.
6. Remove the cylinder and install a filled cylinder by reconnecting the QCC1 Type connection to the new cylinder service valve.
7. Slowly open the new cylinder service valve, check for leaks.
8. The indicator on top of the regulator will turn from red to green.

### Caution

When using a leak detector solution, rising bubbles indicate a leak. If the leak cannot be stopped by tightening the connection, turn off the propane system, and have checked by a qualified LP Gas technician.

### Warning

Never check for leaks with an open flame, do not check for leaks using ammoniated or chlorinated household type detergents, these can cause cracks to form on the metal, tubing and brass fittings.

### Warning

GAS\_FLO regulators have internal moving components that will over time become inoperative due to wear, corrosion and aging of rubber components. As with all mechanical devices the environment and conditions under which the regulator is used will determine its safe service life. Periodic inspection and maintenance by a qualified LP Gas technician is essential to avoid serious injury and property damage.

Regulator Inspection: Regulator's exhibiting any external damage should be replaced. The regulator can be inspected for internal corrosion by removing the vent cover and using a strong flashlight to examine the interior surfaces. If signs of corrosion are observed the regulator should be replaced.

### Warning

Proper application, installation and maintenance of this regulator are essential. Users should obtain further information if there are any doubts or questions by contacting a qualified LP Gas contractor or dealer.