

Gas & LP Tank Connections

GAS & LP CYLINDER

Check Local Codes

Consult your local LP dealer or Natural Gas Company for recommended installation procedures and regulations. In the absence of local codes, installation must conform to the National Fuel Gas Code, ANSI Z223.1 or CAN/CGA-B149.1 Natural Gas Installation Code or CAN/CGA-B149.2, Propane Installation Code.

Natural Gas Models

The grill is designed to operate on Natural Gas at a pressure of 7" water column (W.C.) [1.75 kPa]. Check with your gas utility for local gas pressure. Use of your gas grill at pressures other than approximate 7" WC could affect the performance of your grill.

Natural Gas Hose & Inspection

A single hose of not more than 12 feet long (3.6 meters) is supplied with the cart-styled models.

- Check the hose before each use at places where there could be extra bending, such as near the gas supply quick-disconnect coupling and at the grill valve connection. Look for cracking, cuts or heat damage. Check the entire length for cracking and excessive wear.
- To replace the hose, turn off gas supply at valve. Release the quick-disconnect coupling. Using a wrench, disconnect hose from grill valve connection under the control panel, and clean threads.
- Replace only with an identical hose from the manufacturer or an authorized dealer. **Do not use pipe joint compound on the flared fitting at the control panel grill valve connection.**

LP Gas Models

The Grill using a **Type I** LP cylinder includes the Gaslow Regulator that incorporates an industry exclusive Leak Detector and Fuel Supply Indicator. Any replacement pressure regulator or hose assembly must meet or exceed the specifications of the Gaslow Regulator.

DO NOT CONNECT THE GRILL TO AN LP GAS CYLINDER GREATER THAN 20 LB. CAPACITY.

LP Gas Cylinder Requirements: (The LP-Gas Cylinder is not supplied with your MHP Grill.)

- The LP cylinder should be equipped with an OPD (Overflow Prevention Device) and a QCC! Or Type 1 (CGA810) cylinder connection. This cylinder connection is compatible with the grill connection. OPD is an internal mechanical device that limits the amount of liquid propane and prevents overfilling the LP cylinder. The correct filling methods for the filling of your cylinder are by weight or volume, as described in NFPA 58. Please make sure your LP dealer fills your LP cylinder by weight or volume. Ask your LP dealer to read purging and filling instructions on the LP cylinder before attempting to fill.
- All LP cylinders supply systems must include a collar to protect the cylinder valve.
- The LP cylinder must be a 20-LB size (18 1/4" high, 12 1/4" in diameter).
- The LP cylinder must be constructed and marked in accordance with the specifications for LP-gas cylinders of the U.S. Department of Transportation (D.O.T.). In Canada, gas cylinders must meet Canadian LP Gas Tank Specification Code, National Standard of Canada, CAN/CSA-B339, Spheres and Tubes for the Transportation of Dangerous Goods and Commission.
- Be sure your LP cylinder has a D.O.T. certification and has been tested within five years. This information is usually marked on the protective collar.



WARNING: If you use an LP tank exchange service, be sure that the exchanged tank is equipped with an OPD. If there is not an LP tank available for exchange equipped with an OPD, we recommend that you have your LP tank filled by an authorized LP dealer.



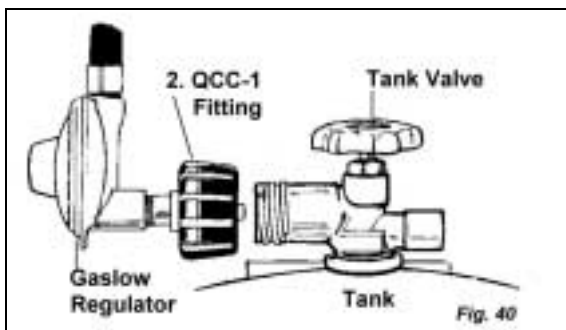
DANGER

Do not use an open flame to check for gas leaks. Be sure there are no sparks or open flames in the immediate area while you check for leaks. Sparks or flames will result in a fire or explosion which can cause serious bodily injury or death, and damage to property.

Gas & LP Tank Connections

CONNECTING THE LP CYLINDER (Fig. 40)

1. Slip the LP cylinder into the grill LP Tank Mounting. Position the LP cylinder so that the tank valve receives the regulator without kinking or creating sharp bends in the hose. Secure the tank to the grill base. For cart base models fasten the mounting thumbscrew to secure the tank in place. The Optimum Console base models has the LP Tank Locking Bar to hold the LP Cylinder in place (**refer to mounting section for detail**).
2. The Gaslow Regulator has a large plastic nut - QCC-1 fitting - for hand tightening (no tools required) and a RIGHT HAND THREAD (turn clockwise). Connect the regulator to the cylinder by inserting the regulator nipple into the tank valve. Tighten the large plastic nut **CLOCKWISE** by hand until secure.



REMOVAL OF THE LP CYLINDER (Fig. 38)

1. Close the LP tank valve.
2. Unscrew the QCC-1 plastic nut **BY HAND COUNTERCLOCKWISE** (to the left).
3. Loosen the LP cylinder from the Tank Mounting
4. Lift cylinder off.

WARNING: If you exchange your LP cylinder, make sure you get a similar tank in return.

WARNING: Your exchanged LP cylinder must be equipped with a QCC-1 or type-1 valve and an OPD (Overflowing Prevention Device). Other LP cylinders may not be compatible with your grill connection.

LP-GAS CYLINDER FILLING & HANDLING

A qualified attendant, who fills the cylinder by weight, should fill your LP cylinder at an authorized LP gas dealer. Improper filling is dangerous.

- When transporting the LP cylinder be sure the plastic dust cover is in place over the valve. This keeps the valve threads free of dirt.
- Do not handle the cylinder roughly.
- Do not apply heat directly to the cylinder.

LP-GAS CYLINDER FILLING & HANDLING (Continued)

- Air must be removed from a new LP cylinder before the initial filling. Your LP dealer is equipped to do this.
- The cylinder supply system must be arranged for vapor withdrawal
- Always keep and store cylinders in an upright, secure position.
- Use this grill outdoors in a well-ventilated area. Do not use in a garage, building, or any other enclosed area.
- Storage of an outdoor cooking gas appliance indoors is permissible only the cylinder is disconnected and removed from the outdoor cooking gas appliance.
- If the outdoor cooking appliance is not in use, the gas must be turned off at the supply cylinder.
- Cylinders must be stored outdoors out of reach of children and must not be stored in a building, garage or any other enclosed area.

LP GAS CYLINDERS SAFE HANDLING TIPS

- Liquid propane (LP) gas is a petroleum product as are gasoline and natural gas. LP gas is a gas at regular temperatures and pressures. Under moderate pressure, inside a cylinder, LP gas is a liquid. As the pressure is released, the liquid readily vaporizes and becomes gas.
- LP gas has an odor similar to natural gas. Be aware of this odor.
- LP gas is heavier than air. Leaking gas collects in low areas and prevents dispersion.
- To fill, take the LP cylinder to your local authorized LP dealer, or look up "gas-propane" in the yellow pages to find authorized dealers.
- A new LP cylinder must be purged before the first filling. Your LP dealer is equipped to do this.
- An LP cylinder must be transported, installed and stored in an upright position.
- LP cylinders should not be handled roughly.
- Never store or transport an LP cylinder where the temperatures can reach 125 degrees. Never leave an LP cylinder in a car on a hot day.
- Always close the LP cylinder valve before disconnecting the tank or any other gas fitting.
- Always close the LP Cylinder valve after using grill.
- Do not use a damaged LP cylinder. Dented, rusty or a damaged LP cylinder valve may be hazardous and should be replaced with a new one immediately.

- **Never fill the LP cylinder beyond 80% full.**
- **Do not store a spare LP gas cylinder under or near the grill.**

If this information is not followed exactly, a fire causing death or serious injury may occur.