

RH  PETERSON co.
Technical Services Bulletin 17-02

Fire Magic® and AOG Grill Enclosure Construction Update

Fire Magic and AOG installation manuals are being updated to clarify the ANSI Z21.58/CSA 1.6-2015 ventilation and other requirements for field constructed grill enclosures/islands. The attached pages 8 and 9 from the Fire Magic manual highlight the areas that are being modified.

Remember that Fire Magic and AOG brand GFRC grill islands meet all grill enclosure and ventilation requirements.

Please note the special requirements for LP installations regarding tank protection, ventilation and that LP cylinder must rest at least 2” above ground level. As indicated in the attachments, a good way to ensure compliance with these requirements is to use a Fire Magic or AOG brand access door with tank tray and louvers.

If additional help is needed, please contact the R.H. Peterson Technical Services Department at 800 332-3973.

GRILL ENCLOSURE / VENTILATION REQUIREMENTS

Fire Magic GFRC islands are available. They meet all enclosure and ventilation requirements. For requirements regarding custom-built enclosures, see below.

VENTILATION (ALL ENCLOSURES)

For All Piping Systems and All Gas Types:
(Natural Gas, Household Propane, L.P. Cylinder)

FOR YOUR SAFETY, you must provide the openings listed below for replacement air and ventilation of the grill enclosure (in case of possible leakage from gas connections or L.P. cylinders). Failure to do so may result in a fire or explosion causing property damage, bodily injury, or death.

One side of the enclosure shall be left completely open to the outside; OR 4 (minimum) ventilation openings **MUST** be created (reference Fig. 8-1 and Fig. 8-2):

- Each opening must have a minimum of **10 sq. in.** of free area. The openings must be equally sized.
- Two openings must be in the side walls of the enclosure, at the top level, and spaced at a minimum of 90 degrees. The openings must begin 1" or less below the countertop level and end no more than 5" below the countertop level.
- Two openings must be in the side walls of the enclosure, at the floor level, and spaced at a minimum of 90 degrees. The openings must begin 1" or less above the floor level and end no more than 5" above the floor level.

• **The openings must remain unobstructed:**

The clearance between the openings and any items outside of the enclosure is a minimum of 6". The clearance between the openings and any items within the enclosure is a minimum of 2". See Fig. 8-2.

When an L.P. cylinder is used in the enclosure, additional requirements exist, see the following section.

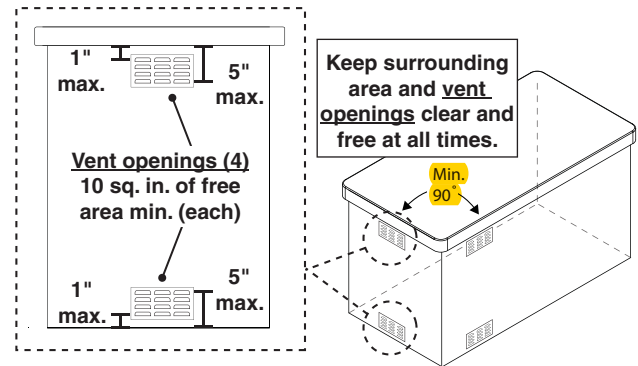
It is acceptable to use RHP venting panels (PN 5510-01). Contact your dealer.

KEEP THE REQUIRED VENT OPENINGS AND SURROUNDING AREA OF THE ENCLOSURE CLEAR AND FREE AT ALL TIMES.

WARNING: Ventilation openings in side walls shall not communicate directly with other enclosures of the outdoor cooking gas appliance.

Ventilation Requirements:

- Minimum 4 openings
(2 per side wall - spaced at minimum **90 degrees**)
- Top openings: within 5" of countertop (see below)
- Bottom openings: within 5" of floor (see below)
- Each vent opening: min. 10 sq. in. of free area



Note: Vent openings example shown. Your design may vary.

Fig. 8-1 Ventilation detail

- **6" min. clearance between all vent openings and any items outside of enclosure**
- **2" min. clearance between all vent openings and any items within enclosure**

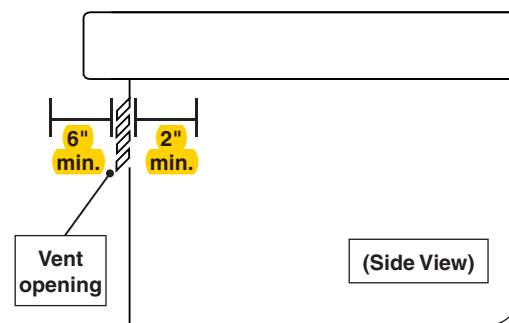


Fig. 8-2 Vent openings clearance

GRILL ENCLOSURE / VENTILATION REQUIREMENTS (cont.)

WHEN A PROPANE (L.P.) CYLINDER IS USED IN THE ENCLOSURE

When a propane (L.P.) cylinder is installed inside of the enclosure, the guidelines below **MUST** be followed. FAILURE TO DO SO MAY CAUSE DAMAGE TO YOUR UNIT AND/OR PERSONAL INJURY. Reference Fig. 9-1 and 9-2 for an example.

- Only a C.S.A. listed stainless steel connector can be connected to the grill.
- The regulator/hose assembly coming from the cylinder can only be connected to the above mentioned grill flex connector. **DO NOT connect the regulator/hose assembly directly to the grill.** An adapter will be required.
- A non-combustible heatshield must be installed to protect the regulator/hose assembly and cylinder valve.
- The cylinder must rest at least 2" above the ground.
- An additional vent opening is recommended in the access door near the cylinder and at the gas connection level (minimum 10 sq. in. of free area).

RHP offers an "access door with tank tray and louvers" which includes a heatshield that rests directly above the L.P. cylinder, a tray, and louvers to meet the cylinder install requirements. The door is shown in Fig. 9-3. Contact your dealer for ordering information.

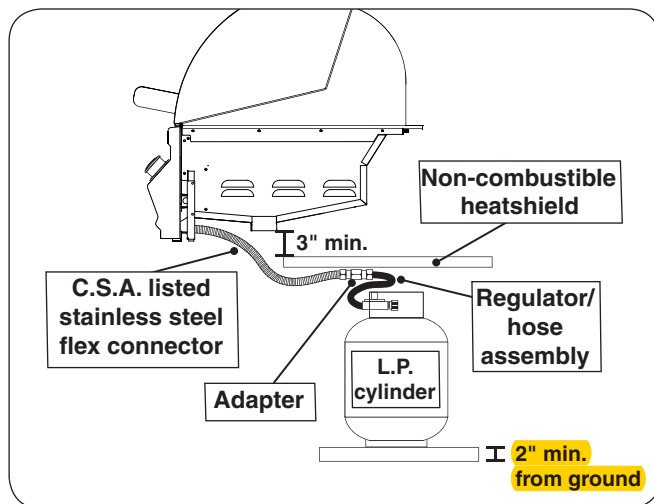


Fig. 9-1 L.P. cylinder orientation

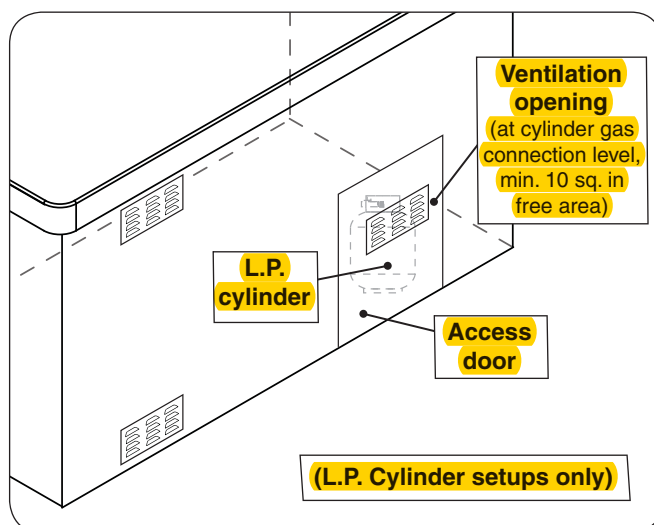


Fig. 9-2 Additional ventilation opening for L.P. cylinder

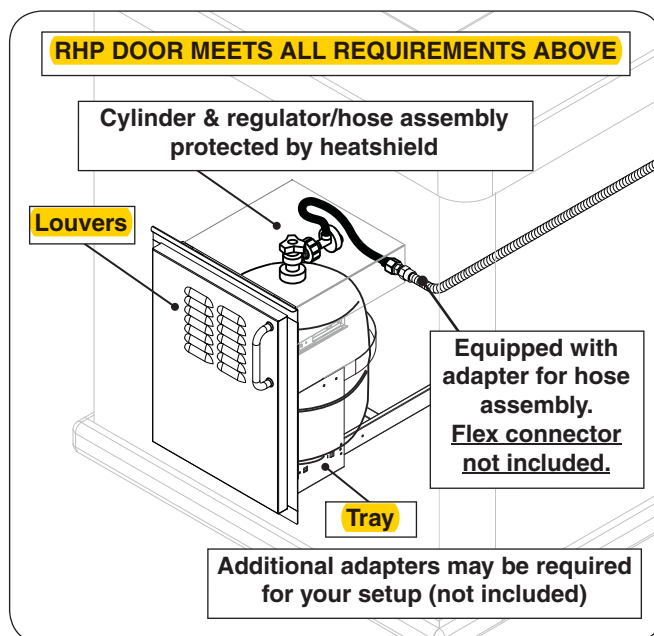


Fig. 9-3 Optional RHP door w/ tank tray & louvers