

## INSTALLING A GAS ROASTER

### INSTALLING AN LPG (PROPANE ROASTER)

#### WHEN USING PORTABLE LP TANKS:

When using the portable LPG tanks (20, 30, 40, 100lb. Tanks) You should choose to use a Marshall 1912/197 LPG Regulator (a BC-1 or 2 can use an 11-13WC LPG Regulator)

#### WHEN INSTALLING A PROPANE (LPG) IN A BUILDING:

When installing a gas roaster inside a building you will need to use a different type Regulator. For LP GAS you will need to make sure enough gas pressure is coming into your building.

In these cases many will use a 10PSI regulator on the tank outside and then a 2PSI regulator just before the line comes in the building. As long as the gas pressure is reduced to 2PSI or a bit lower you can use the suggested regulator inside your building (Consult a certifies gas tech for proper installation)

One such example of setup can be seen here:

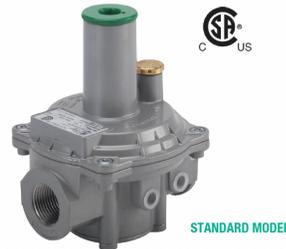
[https://youtu.be/vrjRwYGS2KI?si=4VkXaVuglv\\_kSqR](https://youtu.be/vrjRwYGS2KI?si=4VkXaVuglv_kSqR)

You can do a Youtube search using this search:

**“installing a 2PSI gas regulator”**

Once a 2 PSI regulator is installed outside then you can have the **PIETRO FIORENTINI 31051 with the YELLOW SPRING** to allow gas pressure from 9.8-27.5WC

#### GOVERNOR STANDARD MODEL



# 2<sup>PSIG</sup>

#### MAIN FEATURES

- ANSI Z21.80A-2012 / CSA 6.22A-2012 (R2016) Class I for outlet pressures up to 14" W.C. Certified
- Integral Vent Limiter
- External Vent Limiter – no vent line required\*\*
- Positive 100% bubble tight lockup
- Inlet and Outlet test ports
- 500 to 1 Turndown
- Filter included in all models

#### SPECIFICATIONS

- Suitable for use with Natural Gas, LPG, and other non-corrosive, clean gas
- Max. Inlet Pressure: CSA rated - 2 PSIG  
Pietro Fiorentini - 7.25 PSIG
- Outlet Pressure: 2" W.C. to 14" W.C. and up to 4.25 PSIG for non-CSA applications
- Temperature Range: -40°F to 150°F
- Connections: 1/2" - 4"
- Maximum Emergency Inlet Exposure Pressure: 80 PSIG
- Suitable for Indoor or Outdoor Installation\*\*\*

#### VENT SIZE

- 1/4" NPT 1/2" – 1"
- 1/2" NPT 1 1/4" – 4"

#### OUTLET SPRING RANGE

- Green 2" W.C. to 5.1" W.C.\*
- Red 2.75" W.C. to 7.87" W.C.\*
- Black 6" W.C. to 14" W.C.\*
- Yellow 9.8" W.C. to 27.5" W.C.
- Violet 23.6" W.C. to 59" W.C.
- Orange 55" W.C. to 118" W.C.

\*Spring is CSA outlet pressure certified  
\*\*As Approved by Local Codes and Standards  
\*\*\*Brass vent limiter must be removed for outdoor installation

### INSTALLING A NATURAL GAS ROASTER:

When installing a natural gas roaster you need to make sure you have enough gas pressure (generally 7-14WC depending on model) and enough BTU for each roaster (see the MFG Spec or STAT sheet for each models BTU requirements)

#### NEXT:

A gas regulator needed such as the **PIETRO FIORENTINI 31051** can be used. The model comes standard with the RED Spring which allows 2.75-7.87WC. If you need more pressure and you gas line gas up to 14WC you can add the **YELLOW SPRING** (Allows 9.8-27.5WC)

If you need to change spring on model see the PDF on this.

If you wish to order one of these regulators you can check our website or check with your local gas tech.

**There are several brand models that can be used for 2PSI or under that cost gas down to 7-14WC (1.75-3.5 KPA)**