

TECHNICAL SPECIFICATIONS 12V

WATER REQUIREMENTS

Water flow per bowl: 10 – 15 GPM.

Water supply line should be 3/4" Schedule 40 PVC to each bowl. A larger diameter main supply line may be needed for multiple bowl applications.

GAS REQUIREMENTS

The required gas pressure and flow should be measured at each bowl location.

Natural Gas: 7" WC (0.25 psi)

Propane (LP): 11" WC (0.4 psi)

Gas supply line should be 1/2" Schedule 40 black steel gas pipe to each bowl. A larger diameter main supply line may be needed for multiple bowl applications. *NOTE: Check with your gas supplier to verify gas flow and pressure available at the location of your installation. In many cases, utility companies will install larger meters at no charge to accommodate larger flows.*

GAS FLOW REQUIREMENTS	
# of bowls	BTU/ per hour
1 bowl system	60,000 – 80,000 BTU/HR
2 bowl system	120,000 – 160,000 BTU/HR
3 bowl system	180,000 – 240,000 BTU/HR
4 bowl system	240,000 – 320,000 BTU/HR

ELECTRICAL REQUIREMENT

Transformer panel input voltage: 120VAC / 60Hz

Transformer output voltage: 12VAC / 60Hz nominal

Automated burner assembly input voltage: 12VAC / 60Hz nominal

Use 14 gauge wire to connect transformer panel to bowls

INSTALLATION REQUIREMENTS

- **Installation should be performed by a licensed contractor.** All aspects of installation must conform to local codes, or in the absence of local codes, with National Fuel Gas Code ANSI Z223.1.
- Adhere to recommended CSA/AGA clearances: sides 4ft/top 6ft.
- Do not install near any combustibles (side or overhead) such as wood structures, fuels, clothing, fabrics or dry vegetation.
- Install bowls well out of the way of pedestrian traffic.
- The water, gas and electrical plumbing shall be installed underground.
- Install 90° elbow at flexible gas hose gas connection inside each bowl for proper installation. When connecting the flexible gas hose to the burner assembly do not make tight radius bends or kinks in the flexible gas hose. *Warranty is void if elbow is not installed.*

- Low voltage wiring (14ga 12VAC) should be installed underground between the transformer panel and each bowl. Wire per PTI wiring diagram. 120VAC source into transformer panel can come from any 120VAC source, including pool controller or home system.
- On commercial installations, it is required to install a keyed valve switch and kill switch located in close proximity, in visible sight, of feature or features. The keyed and kill switches are not supplied by PTI.
- With all gas connections tight, position burner assembly so that it sits level in the bowl. Rotate as required so that the gas hose is not kinked.