

# GAS BOOSTER HEATERS PT SERIES



PT56



PT125/200

**Hubbell**  
WATER HEATERS



## THE ULTIMATE IN DEPENDABILITY AND PERFORMANCE

The PT Gas Booster Heater Series is engineered with Hubbell's patented **VariFlame™** temperature control system and an array of innovative features, placing it far ahead of other gas booster heaters in its class. The PT Series delivers the ultimate in dependability, performance, ease of installation, and low maintenance. With a 90% thermal efficiency rating, fully modulating burner, and multiple venting options, the Hubbell PT Series gas booster is the best "green choice" for today's environmentally conscious foodservice operation.

The PT Series is available in three sizes, the PT56, PT125 and PT200, with input capacities of 55k, 125k, and 199k BTU/Hour, respectively. All are designed to supply 180°F sanitizing rinse water to commercial dishwashers, and the PT125 and PT200 are the only high capacity gas booster heaters on the market that do not require a tank or pump. The PT Series is ideal for all foodservice applications such as restaurants, schools, hospitals, casinos, country clubs, banquet centers, correctional facilities, and food preparation facilities.

The PT Series reflects Hubbell's constant commitment to providing efficient, dependable, and long lasting products to serve every application. Hubbell PT Series gas booster heaters are backed by a full one (1) year parts/labor warranty. The burner, heat exchanger and PT56 internal accumulator tank carry an additional four (4) year part warranty from the date of installation, provided the booster is installed within three (3) months of the date of shipment and is installed as outlined in the Hubbell PT Series Operation and Maintenance Manual.



## About Hubbell

Hubbell has been engineering, designing, and manufacturing water heaters to meet foodservice requirements for over 50 years. Whether it's for domestic hot water, sanitizing rinse water for a dishmachine, or point of use hot water, Hubbell is your source for an endless supply of hot water products.

All Hubbell booster heaters are tested, certified, and labeled in accordance with the relevant foodservice third party approvals ( UL, cUL, UL EPH / ANSI NSF 5, ETL, ASME).

All Hubbell products are engineered and manufactured in the U.S. in ISO 9001:2008 certified facilities and meet all of the current standards. Hubbell stands behind its products and customers with world-class service, combining cutting-edge technology with committed people who take pride in being the very best.



**ANSI/NSF5**

# Hubbell PT56 Ventless Gas Booster

The Hubbell PT56 is the industry's first certified ventless gas booster heater. This means the PT56 can be installed underneath a dish table or similar area, conserving valuable work space. The patented **VariFlame™** temperature control system eliminates the need for an energy-wasting standing pilot, so the heater operates with optimized efficiency. The PT56 is designed for high and low temperature applications and is available in both natural gas and propane configurations. If service is required, the PT56 is designed with easy access controls and self-diagnostics to keep down time to a minimum and optimize runtime.

## Features

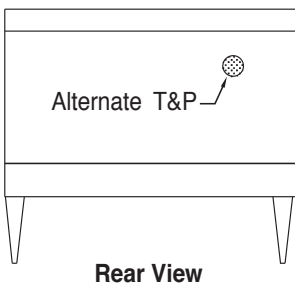
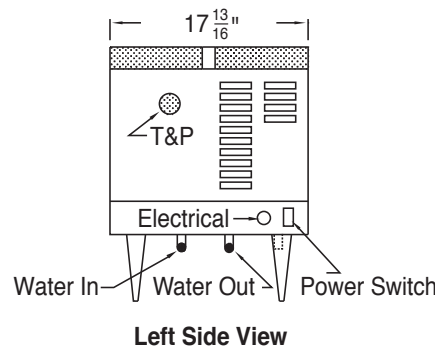
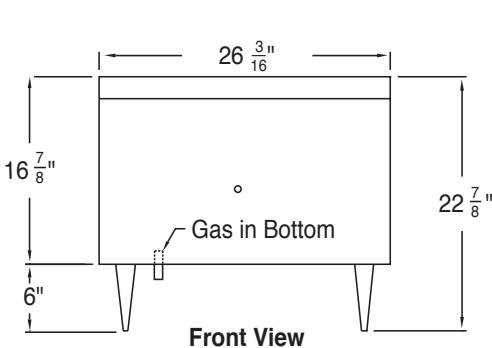
- Ventless Operation
- Available in NG or LP
- **VariFlame™** Technology
- Finned Tube Copper Heat Exchanger
- All Stainless Steel Jacket and Base
- ECO High Temp Shut Off with Manual Reset
- All Stainless Steel Internal 3 Gallon Accumulator Tank
- Brass Pressure Reducing Valve
- T&P Relief Valve
- (2) T&P Gauges
- 6" Plastic Legs
- Thermal Expansion Tank

## Optional Equipment

- Adjustable Stainless Steel Legs
- Stainless Steel Floor Mount Legs
- Water Treatment System (blended phosphate)
- Replacement Cartridge for Water Treatment System
- Wall Mount Bracket
- Shock Absorber



Specifications	Model PT56				
Type	Gas, Instantaneous, Tank Type				
Fuel	NG at 3.5WCI / LP at 11WCI				
Input (BTU/ hr.)	55,000 BTU/hr.				
Output (BTU/ hr.)	44,000 BTU/hr. = 12.8kW				
Temperature Control System	Patented VariFlame Technology				
Ignition	Direct spark to main burner (electronic direct spark type)				
Venting Type	Direct vent (venting not required - subject to local code)				
Safety Features	Flame rectification (gas shuts off in .8 sec if flame outage, redundant gas solenoid, electroic high temp shut off (2), ECO high temp shut off (at 210°F), pressure relief valve				
Gas Pressure for Adjustments	NG		LP		
Inches - Water Column	10.5 Max (7.0 Min)		14.0 Max (11.0 Min)		
Gas Connection	1/2" NPT				
Water Connection	Brass 3/4" NPT				
Dimensions in Inches (W x D x H)	26" x 18" x 17"				
Net Dry Weight (lbs.)	96 lbs				
Electrical Requirements	115V / 3 AMPS				
Recovery Rate in GPH at °F Temperature Rise (ΔT)	30°F ΔT	40°F ΔT	50°F ΔT	60°F ΔT	70°F ΔT
	176	132	105	88	75



# Hubbell PT125/200 Tankless Gas Booster

The Hubbell PT125 and PT200 are the industry's only tankless gas booster heaters designed specifically for use with conveyor or flight-type dishmachines. The tankless design provides the ultimate in efficiency while eliminating a tank and pump make it more dependable and less costly to maintain. The patented **VariFlame™** temperature control system optimizes efficiency while reducing burner cycling and eliminating rough ignition. The PT125 and PT200 also feature a digital display and built-in self-diagnostics to help keep service calls to a minimum. The available wall mount option saves precious floor space and simplifies the installation process.

## Features

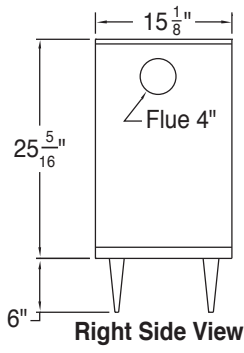
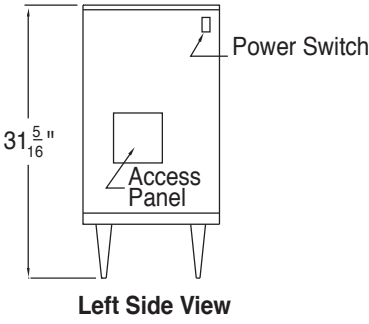
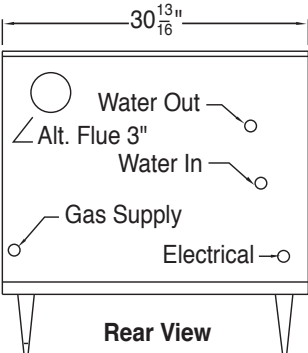
- Tankless Operation
- **VariFlame™** Technology
- Finned Tube Copper Heat Exchanger
- All Stainless Steel Jacket and Base
- 90% Efficient
- Digital Display
- ECO High Temp Shut Off with Manual Reset
- Water Treatment System (blended phosphate)
- Available in NG or LP
- Shock Absorber
- Brass Pressure Reducing Valve
- Pressure Relief Valve
- (2) T&P Gauges
- 6" Plastic Legs

## Optional Equipment

- Adjustable Stainless Steel Legs
- Stainless Steel Floor Mount Legs
- Replacement Cartridge for Water Treatment System
- Wall Mount Bracket



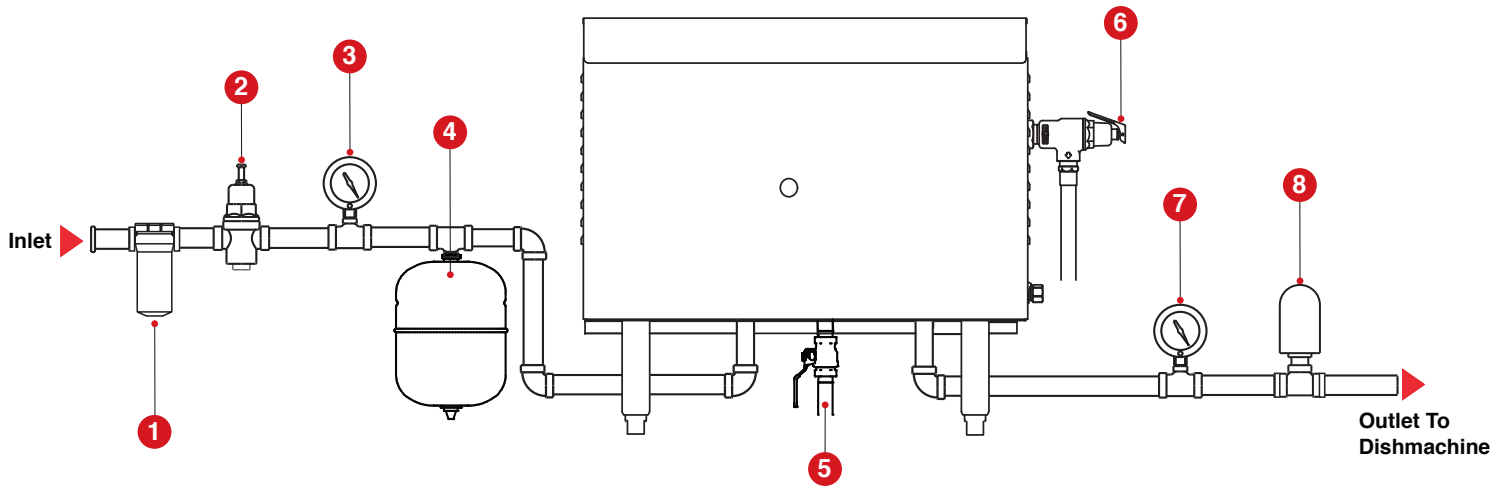
Specifications	Model PT125					Model PT200				
Type	Gas, Instantaneous, Tankless									
Fuel	NG at 3.5WCI / LP at 11WCI									
Input (BTU/ hr.)	125,000 BTU/hr.					199,000 BTU/hr.				
Output (BTU/ hr.)	100,000 BTU/hr. = 29kW					160,000 BTU/hr. = 47kW				
Temperature Control System	Patented VariFlame Technology					Patented VariFlame Technology				
Ignition	Electronic					Electronic				
Venting Type	Power venting through 4" side vent or 3" rear vent into condensate hood Side vent must be used when using wall mount bracket									
Safety Features	Flame rectification (gas shuts off in .8 sec if flame outage, redundant gas solenoid, electroic high temp shut off (2), ECO high temp shut off (at 210°F), pressure relief valve									
Gas Pressure for Adjustments Inches Water Column	NG									
	10.5 Max (7.0 Min)									
	LP									
	14.0 Max (11.0 Min)									
Gas Connection	3/4" NPT									
Water Connection	Brass 3/4" NPT									
Dimensions in Inches (W x D x H)	31" x 15" x 25"					31" x 15" x 25"				
Net Dry Weight (lbs.)	110 lbs					107 lbs				
Electrical Requirements	115V/ 4 AMPS									
Recovery Rate in GPH at °F Temperature Rise (ΔT)	PT125					PT200				
	30°F ΔT	40°F ΔT	50°F ΔT	60°F ΔT	70°F ΔT	30°F ΔT	40°F ΔT	50°F ΔT	60°F ΔT	70°F ΔT
	440	330	264	220	188	640	480	384	320	274



# PT Series Recommended Plumbing Installation

## PT56

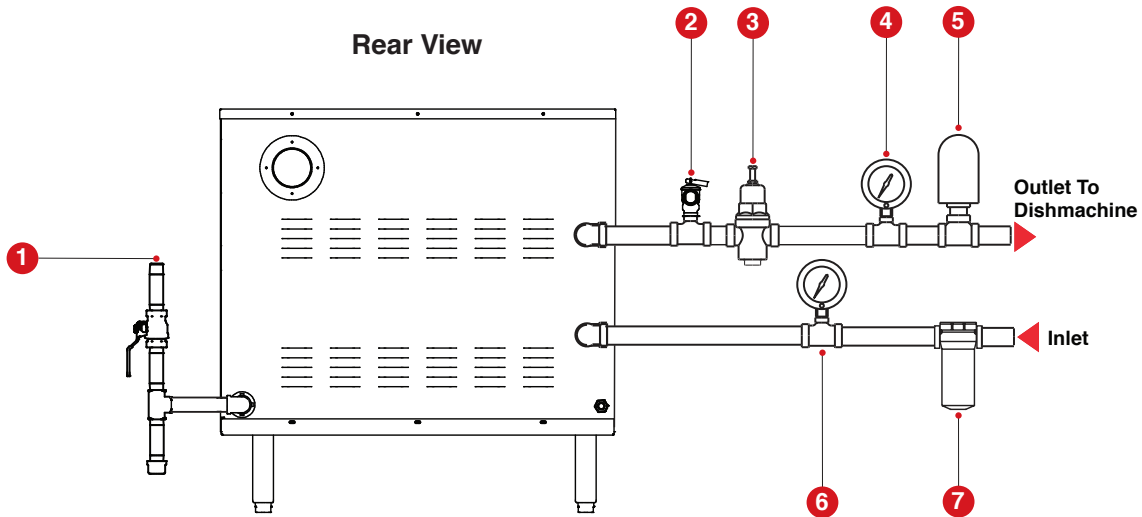
Front View



- |  |                          |                       |                             |
|--|--------------------------|-----------------------|-----------------------------|
| ① Water Treatment System (Optional)                  | ③ T&P Gauge (Inlet)      | ⑤ Gas Line Connection | ⑦ T&P Gauge (Outlet)        |
| ② Brass Pressure Reducing Valve with Built-In Bypass | ④ Thermal Expansion Tank | ⑥ T&P Relief Valve    | ⑧ Shock Absorber (Optional) |

## PT125/200

Rear View



- |  |                      |                          |
|--|----------------------|--------------------------|
| ① Gas Line Connection                                | ④ T&P Gauge (Outlet) | ⑥ T&P Gauge (Inlet)      |
| ② Pressure Relief Valve                              | ⑤ Shock Absorber     | ⑦ Water Treatment System |
| ③ Brass Pressure Reducing Valve with Built-In Bypass |                      |                          |



# Hubbell PT Series Gas Booster Installations

For over 50 years, Hubbell has been recognized as a best-in-class supplier of top quality, energy efficient booster heaters for the foodservice industry. Hubbell heaters are found in a vast array of foodservice applications, including supplying hot water for commercial kitchens, restaurants, schools, and food prep facilities.



PT200 Installation  
Mesquite Independent School District  
Mesquite, TX



PT125 Top Mount Installation  
Red Lobster  
Columbus, OH



PT200 Wall Installation  
Rockwall Independent School District  
Rockwall, TX



PT56 Installation  
Tony Roma's  
Jamaica, NJ

# Hubbell PT Series Gas Booster Specifications

## PT56

### Architect Specs

#### Gas Booster Heaters (For Door-Type Dishmachines)

The gas booster heater to supply the final 180°F rinse for the dishmachine shall be a Hubbell model PT56 as manufactured by the Hubbell Heater Company, Stratford, CT 06615 U.S.A.

The gas booster heater shall have the capacity to heat 75 GPH from 110°F to 180°F or 132 GPH from 140°F to 180°F and it shall be rated 55,000 BTU, fired by (Natural Gas/LPG)\_\_\_\_\_ and operated by 115 volts, single phase. The booster shall be equipped with the patented **VariFlame™** temperature control system. The internal stainless steel accumulator tank shall be designed for a working pressure of 150 PSI.

The gas booster heater shall be equipped with a microprocessor control system and an electronic, on-board, self-diagnostic system. All serviceable components shall be front accessible and electronic boards shall be in a slide out drawer.

The gas booster heater shall be complete with all internal plumbing, including 3/4" NPT pipe fittings from inlet and outlet. All controls shall be built-in and carry safety approval in accordance with ANSI Z21.10.3 and CSA 4.3. Sanitary approval shall be in accordance with NSF Standard 5. A proper circuit breaker or fused disconnect switch shall be provided by the electrical contractor.

The gas booster heater shall be controlled by quick reading temperature sensors in the heat exchanger. The gas booster heater shall be protected with an electronic temperature sensor and high temperature limit switch (ECO).

The gas booster heater shall consist of a stainless steel jacket and base with standard 6" legs. The heater shall include a brass pressure reducing valve, temperature and pressure relief valve, (2) temperature and pressure gauges, and a thermal expansion tank.

## PT125/200

### Architect Specs

#### Gas Booster Heaters (For Conveyor + Flight-Type Dishmachines)

The gas booster heater to supply the final 180°F rinse for the dishmachine shall be a Hubbell model PT125/200 as manufactured by the Hubbell Heater Company, Stratford, CT 06615 U.S.A.

**PT125** The gas booster heater shall have the capacity to heat 188 GPH from 110°F to 180°F or 330 GPH from 140°F to 180°F and shall be rated at 125,000 BTU, fired by (Natural Gas/LPG)\_\_\_\_\_ and operated by 115 volts, single phase. The booster shall be equipped with the patented **VariFlame™** temperature control system, requiring no accumulator tank or circulating pump.

**PT200** The gas booster heater shall have the capacity to heat 274 GPH from 110°F to 180°F or 480 GPH from 140°F to 180°F and shall be rated at 199,000 BTU, fired by (Natural Gas/LPG)\_\_\_\_\_ and operated by 115 volts, single phase. The booster shall be equipped with the patented **VariFlame™** temperature control system, requiring no accumulator tank or circulating pump.

The gas booster heater shall be equipped with a microprocessor control system and an electronic, on-board, self-diagnostic system. All serviceable components shall be front accessible and electronic boards shall be in a slide out drawer.

The gas booster heater shall be complete with all internal plumbing, including 3/4" NPT pipe fittings from inlet and outlet. All controls shall be built-in and carry safety approval in accordance with ANSI Z21.10.3 and CSA 4.3. Sanitary approval shall be in accordance with NSF Standard 5. A proper circuit breaker or fused disconnect switch shall be provided by the electrical contractor.

The gas booster heater shall be controlled by quick reading temperature sensors in the heat exchanger. The gas booster heater shall be protected with an electronic temperature sensor and a high temperature limit switch (ECO).

The gas booster heater shall consist of a stainless steel jacket and base with standard 6" legs. The heater shall include a blended phosphate water treatment system, shock absorber, brass pressure reducing valve, pressure relief valve, and (2) temperature pressure gauges.

### Warranty:

All Hubbell PT Series gas booster heaters are backed by a 1 year parts/labor warranty plus an additional 4 year part warranty on the heat exchanger, burner, and PT56 internal accumulator tank.



Hubbell provides a complete line of commercial foodservice water heaters to meet your specific application needs.



**Quick, Easy, and Accurate**

With only a few clicks, you will be able to send quotes/specifications directly to dealers and consultants quickly and efficiently.

[www.boosterheater.com](http://www.boosterheater.com)

Hubbell Heater Company | 45 Seymour Street | P.O. Box 288 | Stratford, CT 06615

P: 203.378.2659 | F: 203.378.3593

