

Paloma®

Residential Tankless Gas Water Heaters

Features

- Endless hot water on demand
- Energy saving design
- Energy efficiency – 30% more efficient than tank type water heaters
- Compact, space saving design
- Self-diagnostic program
- Digital remote control for convenience, comfort, and ease of maintenance
- Remote control displays adjustable temperature settings
- Intelligent electronic controls designed to increase energy efficiency and safety
- Exclusive film wrap overheat limiter
- Indoor model uses 4" Category III stainless steel venting material
- May be installed as part of a circulating water system
- USC1-117 waterproof remote control is included (120° F maximum setting)
- Optional remote controls available
- Built-in electric blower on all models
- Indoor model supplied with a 120 volt power cord
- Low NO_x emissions meet SCAQMD rule 1121 requirements
- May be used for light commercial use.

10 YEAR
Limited Warranty on
Heat Exchanger*

3 YEAR
Limited Warranty
on Parts*

* Residential applications. Ask a Paloma dealer for more information.
Warranty for commercial use, also ask a Paloma dealer for more information.

Specifications (Approx.)

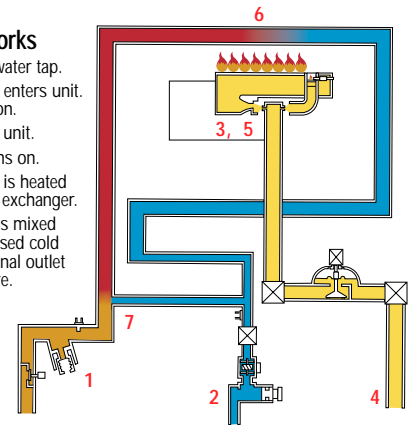
	INDOOR Models	OUTDOOR Models
Natural Gas Model No.	PH-28RIFSN	PH-28ROFN
LP Gas Model No.	PH-28RIFSP	PH-28ROFN
Rated Gas Input (Btu/Hr.)	19,000 (minimum) 199,900 (max.) Modulating	
Dimensions (Inches)	14-7/8 (w) x 25-3/8 (H) x 11-1/8 (D)	
Net Weight (lbs.)	55	
Working Water Pressure	14 psi (minimum); 150 psi (maximum)	
Water Flow Rate	0.66 GPM (minimum); 7.4 GPM (maximum) (23 psi)	
Gas Connection	3/4" NPT Female (With Supplied Gas Shutoff Valve)	
Water Connection	3/4" NPT Male	
Vent Size	4" Special Venting	N/A (Outdoor Installation)
Efficiency Rating	84%	
Energy Factor	0.82	
Electrical Rating	120 VAC/60 Hz, Less than 2 Amps	

- Factory set maximum temperature is 120° F.
- For installations above 3,280 feet the connector on PC board must be replaced. Consult factory or your supplier for details.

Before purchasing this appliance, read important energy cost and efficiency information available from your supplier.

How It Works

- 1 Open hot water tap.
- 2 Cold water enters unit.
- 3 Fan turns on.
- 4 Gas enters unit.
- 5 Burner turns on.
- 6 Cold water is heated in the heat exchanger.
- 7 Hot water is mixed with bypassed cold water for final outlet temperature.



These units are designed to meet or exceed ANSI (American National Standards Institute) requirements and have been tested according to D.O.E. test procedures and meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, BOCA Code and all state energy efficiency performance criteria for energy consuming appliances.



Digital Remote Controls

One Bath Remote Control (USC1-117) comes with each unit.

Three remote controls (one main remote control and two bath remote controls) can be installed together.

UMC-117 - Main Remote Control is intended to be installed in kitchen, laundry or utility room. Temperature Adjusting Range: 100°F-120°F (Max 140°F)

USC1-117 & USC2-117 - Bath Remote Control is intended to be installed in bathroom area. Temperature Adjusting Range: 100°F-120°F



UMC-117
Main remote control



USC1-117 & USC2-117
Bath remote control

Digital Display – Easy Setting

Allows you to visually set the temperature of hot water for your needs. The LED also displays error codes and necessary maintenance information for easier maintenance procedures.

Self Diagnostics

The unit runs its own diagnostic program to obtain necessary information to analyze errors.

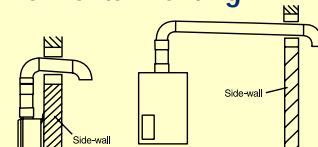
Venting Requirements

Only indoor tankless gas water heaters require special venting. Category III 4" stainless steel venting material (UL 1738 certified) is required due to positive pressure and possible condensation.

TYPE "B" VENTS ARE NOT PERMITTED.

A stainless steel vent adapter (or equivalent) is also required for indoor vent connection.

Horizontal Venting



Indoor tankless gas water heaters should be vented horizontally to an exterior side wall. For vertical venting, ask a Paloma dealer for more information.

