Paloma

7.4 SERIES

- The Paloma Tankless for 2-3 bath homes
- 2-shower performance
- High energy efficiency
- Double the performance with DUOnex™, or up to 20 times the performance with MIC-180
- Indoor, Outdoor and Direct Vent versions

Hot Water Performance

The 7.4 Series in standalone SOLO Mode offers an optimal solution for most 2-3 bath homes. For homes with larger hot water needs, simply connect two units with the DUOnex™ Cable for DUO Mode performance. With the optional MIC-180, larger systems up to 20 units in size will support any luxury residential hot water vision.

7.4 SOLO Mode Performance			
	Temperature Rise		
	40°	70°	100°
Gallons Per Minute	8.5	4.8	3.3
Gallons Per Hour	510	288	200

Safety Engineering

The 7.4 Series includes safety engineering you will not find on other brands:

- ICAD™, our proprietary safety system that constantly monitors combustion for evidence of unsafe carbon monoxide. On the Indoor and Direct Vent models.
- Overheat Limiter Wrap, a resin film wrapped around the heat exchanger, for the earliest possible detection of unsafe overheating. On all models.

Energy Efficiency

Qualifies for a Federal tax credit up to $300 when installed on your principal residence.

Uses gas only when the consumer need hot water and never squanders energy when they are asleep or away from home.

Government tests show that the Paloma 7.4 Tankless will heat a standard amount of hot water with:

- 29% less energy than most new 50-gallon tank-type heaters
- 40% less than an excellent new 100-gallon heater

Convenience

Digital controller lets the consumer change temperature settings immediately and precisely.

ICAD CO SAFETY
Paloma ENGINEERED

MULTIready
scalable systems

DUOnex™ ready

Up to $300 Home Energy Improvement Federal Tax Credit
palomatankless.com/taxcredit

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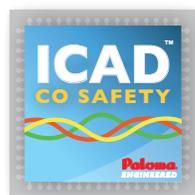
specifications

models and venting

Indoor
Nat. PH-28R IFSN
LP   PH-28R IFSP

Outdoor
Nat. PH-28R OFN
LP   PH-28R OFP

Direct Vent
Nat. PH-28R DVSN
LP   PH-28R DVSP

BTU Input Range	19,000 ~ 199,900 (fully modulating)
Maximum Hot Water Output	8.5 GPM (40 degree rise at 30 psi)
Minimum Flow for Ignition	0.66 GPM
Dimensions (inches)	14 7/8 (w) x 25 3/8 (h) x 11 1/8 (d)
Working Water Pressure	14 ~ 150 psi
Temperature Range	100 ~ 140 degrees F
Gas Connection	3/4" NPT Female (with included gas shutoff value)
Water Connection	3/4" NPT Male
Efficiency Rating	84%
DOE Energy Factor	0.82
Gas Inlet Pressure (Indoor and Outdoor Models)	Natural Gas: Min 4.0" W.C.; Max. 10.5" W.C. LP Gas: Min. 8.0" W.C.; Max 14.0" W.C.
Gas Inlet Pressure (Direct Vent Model)	Natural Gas: Min 4.5" W.C.; Max. 10.5" W.C. LP Gas: Min. 10.0" W.C.; Max 14.0" W.C.
Low NOx compliant (SCAQMD Rule 1146.2)	Yes
Electrical Requirement	120 V/60 Hz AC, 2 Amps
Power Cord (Except Outdoor)	10-foot. 3-pin indoor power cord (pre-installed)
Freeze Protection	Minus 30 degrees F (including windchill factor)
Controller/Diagnostic Display	UMC-117
Electronic Manifold Ready?	Yes: 2 to 20 units (use MIC-180 Controller)
DUOnex™ Ready?	Yes: 2 units with DUOnex™ Cable
Gas Shutoff Valve	Included
Vent Requirement (Indoor/Direct Vent)	4" Category III stainless steel venting required
Vent Maximum Length	37.5 feet (with three 90-degree elbows)
Air Intake (Direct Vent)	4" stainless steel, PVC or aluminum
Air Intake Maximum Length	37.5 feet (with four 90-degree elbows)
Net Weight	55 lbs.

safety engineering

Carbon Monoxide Safety	ICAD™, our proprietary system to monitor and optimize combustion (Not on Outdoor version).
Heat Exchanger Overheat Protection	Overheat Limiter Wrap. Resin film that surrounds the heat exchanger.
Flame Failure	Three separate flame rods to monitor flame failure.
Anti-boil Protection	Temperature sensor.
Anti-scald Protection	Bath Controller maximum temp 120 degrees F. When on, Bath Controller takes priority over others. While hot water running, Bath Controller max. temp. cannot be raised above 112 degrees F.

features

- Continuous hot water on demand
- Energy-saving design
- Energy efficiency - 30% more efficient than tank-type water heaters
- Compact, space-saving design
- Self-diagnostic program
- UMC-117 Main Digital remote control
- Remote control displays adjustable temperature settings
- Exclusive film wrap overheat limiter
- May be installed as part of a circulating water system
- Built-in electric blower on all models
- Double the performance with DUOnex™
- 2-to-20 unit systems with MIC-180 Controller
- Extensive diagnostics and error display

accessories

- USC1-117 First Bath Controller
- USC2-117 Second Bath Controller
- DUOnex™ Cable for 2-unit system
- MIC-180 Controller for 2-to-6 unit systems
- MICS-180 expansion board allows 7-to-20 unit systems
- MIC Communication Cable in 16 foot, 32 foor and 65 foot lengths
- High Altitude Adjustment Chips
- Special vent terminations

in the box

- One Paloma Tankless unit
- One Digital Controller
- One gas shutoff valve
- Attached power cord (indoor models)
- Operating and Installation Manual

residential warranty

- 10-Year Limited Warranty on Heat Exchanger
- 3-Year Limited Warranty on Parts

For more information, visit www.palomatankless.com