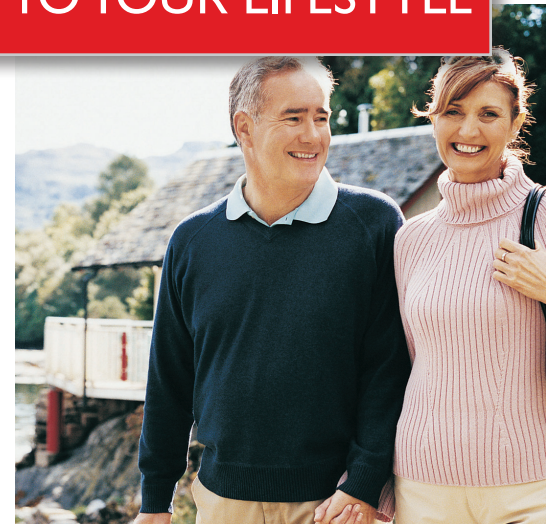




PALOMA TANKLESS HOT WATER MATCHED TO YOUR LIFESTYLE



When Your Day Begins And Ends With Hot Water, Paloma Will Give You Just What You Need.

Before you start the dishwasher, do a load of laundry, turn on your multi-jet shower, or take a relaxing bath in your whirlpool tub, there is the water heater. If you've ever run out of hot water before you've finished your shower, or yelped in dismay when the hot water turned icy cold as another appliance came on, you know what we're talking about. You probably don't often think about your home's production of hot water so long as you have all you need. When you don't, you discover that an inefficient hot water tank is usually the cause. In the next few pages we'll show you how a Paloma Tankless Hot Water Heater will change the way you think and feel about how hot water is supplied in your home.



SHOWERS AND BATHS



MULTI-HEAD SHOWERS AND WHIRLPOOLS



KIDS' BATHS AND SHOWERS



THE KITCHEN SINK AND DISHWASHER



THE LAUNDRY ROOM



A SECOND HOME



Showers and Baths

There are few things better in life than a hot shower or a relaxing soak in a hot bath. But a family taking too many simultaneous showers and baths will often leave the hot water tank cold.

Once you run out of hot water with a common storage-tank water heater, you have to wait a long time for it to heat up again. Waiting for it to recover is not a good use of your family's time. This is especially true during the morning rush, or when younger members of the family linger in the shower. A typical single-head shower uses 2.5 gallons per minute of hot water. If they have been in the shower for twenty minutes, when it's your turn, get ready for the "Big Chill."

With a Paloma Tankless, you will never run out of hot water again. A Paloma is able to produce hot water at the same rate and temperature continuously shower after shower.

Hot Water Under Control and Safe



You can use a Paloma Bath Controller to set your shower at a safe and comfortable temperature, around 104 degrees F (depending on your personal water temperature preference). The water in the shower will be a little lower than that and will still be comfortable.

Multi-Head Showers and Whirlpools

When the planning stage begins for one of these spectacular bathrooms, many people forget to plan for the amount of hot water that will be required.

A Paloma Tankless can easily keep up with the demands of your luxurious bath environment. For instance, a whirlpool tub in the master bath will usually hold 60 to 80 gallons. A conventional 100-gallon tank will fill a whirlpool tub, but there won't be enough hot water for anything else.

If your plans include one of those multi-head showers pouring out water at 10 to 15 gallons per minute, quick arithmetic will tell you a 50-gallon conventional tank will last only 5 minutes. That won't be enough time to unwind from a long day.

A properly sized Paloma Tankless hot-water system is the best way to meet peak hot water demands because it never runs out. It's continuous.

Temperature Control for a Better Bath



With precise temperature control through your Paloma Bath Controller, you can learn your perfect bath temperature. You'll have the perfect bath every time.





Kids' Bath and Shower

In a home with teenagers or small children, bathroom time can be a real competition.

When hot water is a scarce resource, things can get more complicated. A typical single-head shower uses 2.5 gallons per minute of hot water. That means too many showers or baths will leave your hot water tank cold. Your teens, especially, may not like to be told how long and when to use bathroom time, but schedules may be your only solution. There is an alternative, and that's a Paloma Tankless hot water heater. Think about it: With a Paloma Tankless you'll never have to live with these inconveniences again. You'll have plenty of hot water when you need it and for as long as you want.

Everyone is Safe



With proper use of a Paloma Bath Controller, the little ones will never be in danger of being accidentally scalded by turning on the hot water. Place one in their bathroom and teach them to turn it on before bathing.

The Kitchen Sink and Dishwasher

Are you having trouble getting all your dishes clean? The problem may be your hot water tank, not your dishwasher.

Your conventional hot water tank can't provide the consistent hot temperatures needed by your dishwasher. The Paloma Tankless gives you hot water without a temperature drop and you can even temporarily raise the temperature up to 140 degrees F if you need to. Most dishwasher manufacturers recommend a temperature range of 120 to 140 degrees F. True, many dishwashers have a built-in water heat booster, but this may not be enough.

You see, home hot water tanks are set at 120 degrees F for safety and energy saving. When a large quantity of hot water is needed, cold water flows in and lowers the temperature in the tank. As a result, a great amount of time is needed to heat a whole tank to 140 degrees F. You have better things to do with your time. Paloma Tankless can free you.

The Right Temperature Anytime



Simply use the Main Controller to temporarily raise the temperature to 140 degrees F and instantly have hot water for cleaner dishes without waiting. Here's another nice feature: If the Bath Controller is turned on while the Main Controller is in use, the Bath Controller setting will override it. Bath safety is more important to us than dishes. You'll find this feature on all digital Paloma Tankless models.





The Laundry Room

It's not your detergent that's not working hard enough; it's your hot water that's not getting hot enough.



When you have heavily soiled clothes or tough stains, you need really hot water to get them clean. No problem. A Paloma can be set to the manufacturer's recommended temperature for the duration of the wash. With just a touch of a fingertip on the digital Controller, you can adjust the temperature to the precise level you need. Hot or warm, you're in control and your clothes will be cleaner.

The best part is, while you're doing the laundry, there's no waiting before anyone can enjoy a relaxing bath or shower.

A Second Home

Low Demand, High Efficiency and Money Saving

Paloma Tankless makes sense at your seasonal getaway in the mountains or at the shore. Not only will you save on energy between visits, you'll never have to drain a 40-gallon tank again. And, you will enjoy hot water immediately each time you reconnect. The race for the shower at the end of the day is a thing of the past. There's plenty of hot water for the whole gang.

The Paloma Legacy Line can even accommodate remote locations with low water pressure and doesn't require an electrical connection.

Protecting Your Paloma Against the Cold



If you live in an area with severe winters, your Paloma is equipped with Freeze Protection. The Paloma Tankless 7.4 Series has electrical heating elements that will protect the unit in conditions down to minus 30 degrees F (including windchill factor).





Eco-Centered

The Paloma Tankless ensures the efficient use of energy resources in water heating. You can further reduce the lifecycle carbon impact of your Paloma Tankless with simple maintenance procedures.

Everyone claims that their product is greener but few take the next step. Paloma is taking that step and is making the choice not to be a bigger cause of the problem.

Energy Efficiency

A Paloma is about 30 to 40 percent more efficient than a conventional hot-water tank. Energy is used to produce hot water only when you need it. It is never used to heat water over and over again while you aren't using it. Isn't this a better use of our resources?

Long Life

A Paloma Tankless is built for a much longer life. Diagnostic codes will tell you if mineral deposits have built up in the heater. A simple flush will dissolve these deposits and improve thermal efficiency. We build for durability.

Less Space

All good things come to an end of a useful life and when they do, there is less of our unit to send off to the landfill.

Lower Cost of Operation

That hot water tank you have in the basement is keeping water hot 24 hours a day, 7 days a week, 365 days a year, even when you're away during the day or for summer vacation or a business trip.

So how can you match energy use with your actual lifestyle? Consider the Paloma Tankless, which lets you heat water only when you need hot water. It matches your use of energy to the specific way that you use hot water. No tank-type water heater can do that. The Paloma Tankless will provide you with lower operating costs.

How much lower? That depends on how you use hot water. The US Department of Energy test of simulated use, which is used to calculate the so-called energy factor, shows that the Paloma Tankless will use nearly 30 percent less energy than the better new 50-gallon heaters on the market and up to 40 percent less than the 100-gallon models. If you use less than the "standard" amount of hot water - for example, if you have a small household or you travel frequently - you will save even more with a Paloma Tankless.

Introducing the Paloma Digital Tankless Gas Water Heater Line



For 2- and 3-Bath Homes

- Run two showers simultaneously and continuously during the morning rush, with capacity to spare.
- Run three showers simultaneously in the summer in most locations.
- Outdoor and Direct Vent
- Natural Gas, or LP Gas

For 1- and 2-Bath Homes

- Enjoy a long shower with capacity for other light household use.
- Run two showers simultaneously in the summer in most locations.
- Outdoor and Direct Vent
- Natural Gas, or LP Gas

How it Works

When you turn on hot water, it's as if you turned the key of your ignition system on your car. The movement of the water tells your Paloma that it's time to get started. This kicks off a series of events inside the heater:

- The gas valve opens up, allowing gas to enter the combustion chamber.
- The electronic ignition system starts combustion in the chamber.
- Water is then routed through the heater in copper tubes with fins extending into the combustion chamber.
- Inside there is a very efficient exchange of heat energy from the gas flame to the water. The amount of heat energy that is transferred successfully to the water is an impressive 80 percent to 84 percent.

- The High Efficiency Models are 93%.

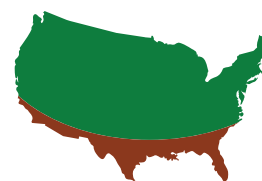
Hot water can be produced continuously. Good to know, if you're the last one in the shower.

Choosing the Right Model

Simply choose the solution that will support your home's peak hot-water requirement. If you get this right, you will never, ever run out of hot water.

Since in most households peak demand occurs at shower time, ask yourself these simple questions:

- How many showers are typically running at the same time at your house during peak shower time?
- Are any other hot-water appliances, like the dishwasher or clothes washer, usually running at the same time?
- Do you live in the Southern Coastal Region or in a Northern Climate where water comes into the house colder and, therefore, needs a bigger boost to come up to shower temperature?



- Northern Climate
40 degree F inlet water
- South Coastal Region
60 degree F inlet water

For larger requirements, learn about the Paloma DUOnex™ system. See pages 21 and 22.

Premium Features

Paloma Tankless water heaters deliver more than the basics. They help you reduce your impact on the environment, ensure the safety of your family, provide convenience and durability, and they do it all while showering you with the luxury you desire.

Carbon Monoxide Protection



Paloma Digital Tankless indoor models' ICAD™ (Incomplete Combustion Avoidance Device) is a sophisticated safety system that monitors and optimizes combustion in the firing chamber. If the ICAD™ detects flame conditions that produce carbon monoxide, the unit shuts down and the controller displays an error code. Only Paloma Indoor and Direct Vent Tankless Models have ICAD™.

Convenience



All Digital Tankless models come with one detachable electronic digital controller, and you can add up to two more. They let you set and change water temperature from different locations in your home. Use a Bath Controller to lower shower and bath temperatures to just the right point, and protect against scalding.





Tank vs Tankless

Some younger members of the family may like to take long showers. If that's the case, when it's your turn, get ready for the "Big Chill." But with a Paloma Tankless you'll never be out of hot water again. A Paloma is able to produce hot water at the same rate and same temperature continuously.

With any water heater, the trick is to make certain that you don't run out of hot water in actual usage. Once you run out with a storage-tank water heater, you have to wait a long time for it to heat up again. But a Paloma Tankless can easily keep up with the demands of your luxurious bath environment.

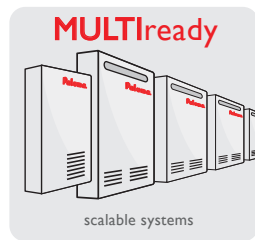
A Paloma Tankless is a smarter way to use energy resources, because gas is used to heat water only when you need it. The conventional tank keeps burning fuel when you're not using it. So the next time your shower turns into the "Big Chill," stop and wonder what benefit you got by burning gas during the day while you were gone.

Tank vs. Tankless Comparison Chart

	 50-gallon Tank	 199,900 BTU	 180,000 BTU	 150,000 BTU
Performance Standards				
Department of Energy's Energy Factor	0.58 - 0.65	0.82	0.82	0.82
"First Hour" Hot Water	65 - 92 gallons	262 gallons	240 gallons	197 gallons
Morning Shower Hour				
Shower After Shower After Shower		✓	✓	✓
2 Simultaneous 10-minute Showers	✓	✓	✓*	✓*
2 Simultaneous 20-minute Showers		✓	✓*	✓*
3 Simultaneous 10-minute Showers		✓*		
3 Simultaneous 20-minute Showers		✓*		
Bath Time				
Fill 60 gallon tub		✓	✓	✓
Take a Shower Immediately After		✓	✓	✓
Fill Large 140 Gallon Whirlpool Tub		✓	✓	✓
Multiple Applications				
Shower + Dishwasher	✓	✓	✓	✓
Shower + Washing Machine	✓	✓	✓	✓
Dishwasher + Washing Machine	✓	✓	✓	✓
Environmental Impact				
Constant Use of Gas	✓			
Uses Gas Only When You Need it		✓	✓	✓
Compact Design		✓	✓	✓
12-Year Limited Warranty	Optional	Standard	Standard	Standard

* Performance in the South Coastal Regions during extreme winter months with 60 degree F inlet water. See the diagram on Page 18.

MULTIready Systems



For the high-end home with extremely high-volume hot water requirements, the Paloma Series can be configured into larger systems of 2 to 20 units to meet any residential need.

These solutions offer design flexibility, scalability and redundancy, as well as wise use of energy resources.

MIC-185 Multi-Unit Controller



The MIC-185 Controller is linked to each Paloma with a separate communication cable. Temperatures are set for the entire system by a single Main Controller, which is linked directly to the MIC-185. The Main Controller will also display diagnostic codes for each unit in the system.

DUOnex™ Easy Expansion







DUOnex™ gives you the capability to create a 2-unit system by simply connecting the two units together with Paloma DUOnex™ Cable.

With DUOnex™, the Paloma residential series can be expanded in four steps from just 150,000 BTUs with the 6.4 Series operating by itself in SOLO Mode, up to 399,800 BTUs with the 9.5 Series in DUO Mode.

DUOnex™ Cable

Simply connect two units with the DUOnex™ Cable and flip a switch for DUO Mode performance.

Tank vs. Tankless DUOnex™ Comparison Chart

	 100-gallon Tank	 399,800 BTU	 360,000 BTU	 300,000 BTU
Performance Standards				
Department of Energy's Energy Factor	0.48	0.82	0.82	0.82
"First Hour" Hot Water	65 - 92 gallons	525 gallons	480 gallons	394 gallons
Morning Shower Hour				
Shower After Shower 30 Minutes or Longer		✓	✓	✓
2 Simultaneous 20-minute Showers	✓	✓	✓	✓
2 Simultaneous 30-minute Showers		✓	✓	✓
3 Simultaneous 10-minute Showers	✓	✓	✓	✓*
3 Simultaneous 20-minute Showers		✓	✓	✓*
Bath Time				
Fill 60-gallon tub	✓	✓	✓	✓
Take a Shower Immediately After	✓	✓	✓	✓
Fill Large 140-gallon Whirlpool Tub		✓	✓	✓
Multi-Head Shower System (1 l gpm)				
10-minute Shower	✓	✓	✓	✓*
Continuous Showering		✓	✓	✓*
Multiple Applications				
Shower + Dishwasher + Washing Machine	✓	✓		
Shower + Washing Machine	✓	✓	✓	✓
Dishwasher + Washing Machine	✓	✓	✓	✓
Warranty				
10-Year Limited Warranty	Optional	Standard	Standard	Standard

* Performance in the South Coastal Regions during extreme winter months with 60 degree F inlet water. See the diagram on Page 18.



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All temperatures are in degrees Fahrenheit. Paloma is constantly working to improve products and reserves the right to change specifications at any time.

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