

The Hardy



STAINLESS STEEL OUTSIDE WOODBURNING HEATER

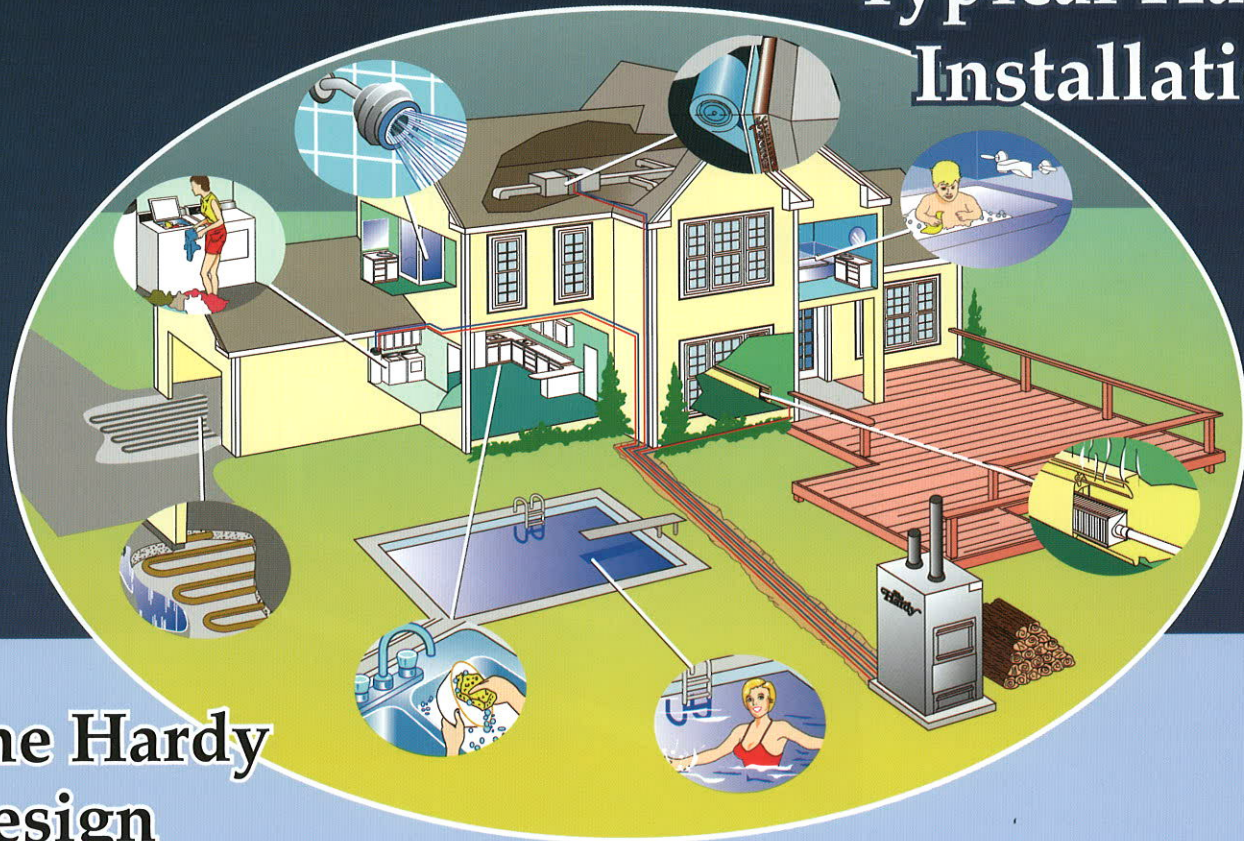


Since 1976

The development of the first “Hardy” Outside Woodburning Heater put Hardy Manufacturing Co. at the forefront, pioneering a new field of heating. With the knowledge and experience gained over the years in developing water based outside woodburning heaters, Hardy Manufacturing remains ahead of the competition by offering the best quality products and services on the market. “Hardy” heaters are all stainless steel construction, top-quality workmanship, and an EPA listed exempt appliance, along with a limited 25-year warranty guaranteeing our products are built to last. Our products, made in the USA, are supported by independent distributors, and a 500 member nationwide dealer network ready to assist the end customer. These qualities and proven durability, along with manufacturing experience since 1976, make the “Hardy” the best outside woodburning heater on the market. Our pledge is to provide the latest technology, quality products, and a genuine commitment to customer service and satisfaction, starting with your local dealer, supported by the distributor, and backed by the manufacturer.



Typical Hardy Installations



The Hardy Design

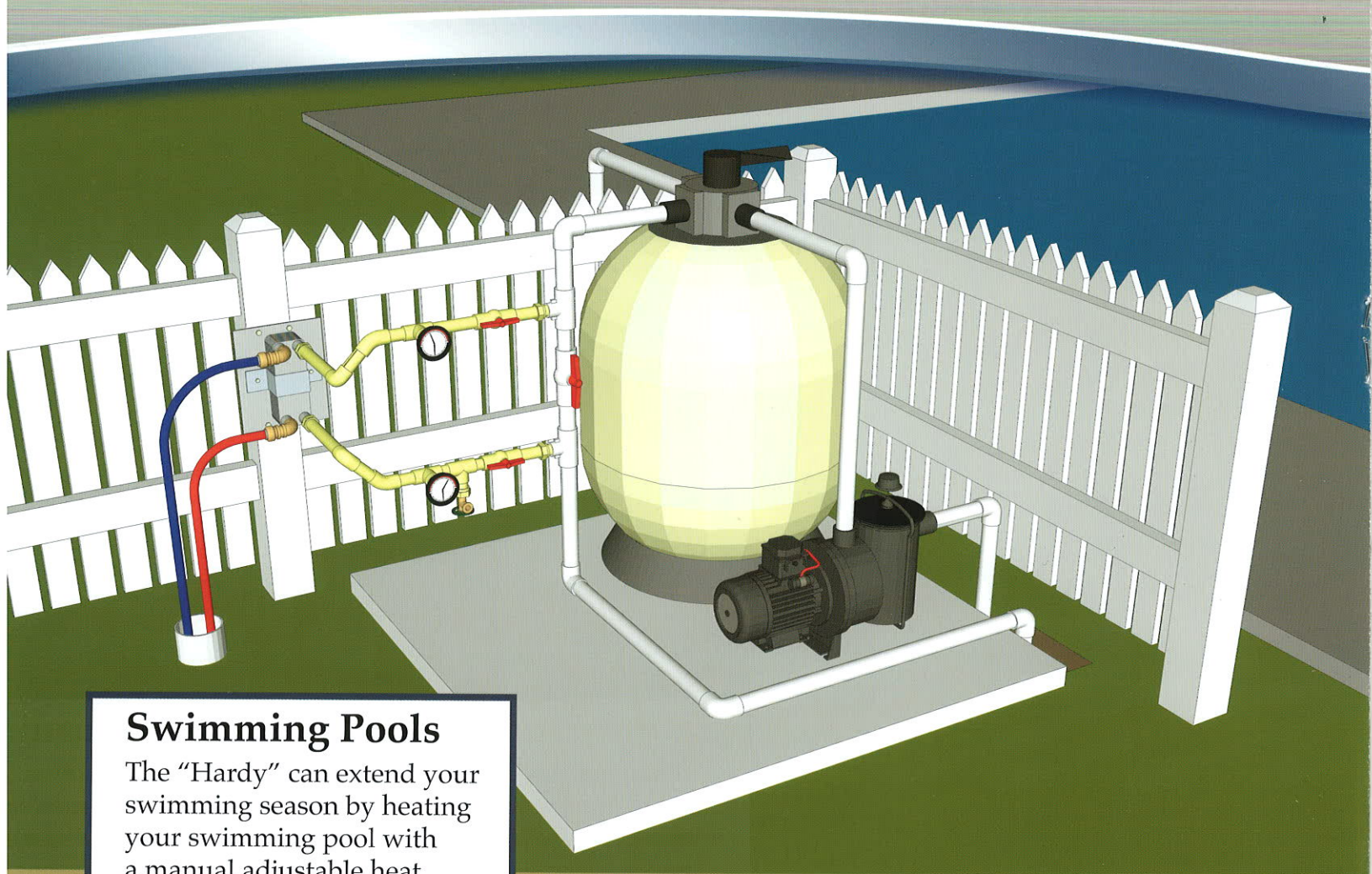
The "Hardy" Outside Woodburning Heater is designed to be located between 10 feet and 100 feet from your home, next to your firewood storage for convenient loading. This removes the fire danger from your home and keeps wood trash, smoke, and ashes out of your home. The "Hardy" heater is constructed of stainless steel to provide the best heat transfer, which is three times greater than 3/8" carbon steel.

The "Hardy" is comprised of an all stainless steel firebox, smokestack, firebox door, and ash door which maintain the heat while resisting rust and burnout. Due to the corrosive resistance of stainless steel, chemicals are not necessary in the water tank. Hardy invented a condenser stack which condenses the steam and returns it to the water tank to minimize evaporation. The design also eliminates the safety hazards common with a pressurized boiler by venting the water tank to the atmosphere. Another design element included as standard on the "Hardy" is the thick cast iron grates, which make weekly ash removal both simple and fast. Strategically designed to eliminate the need for weather protection or painting, the exterior cover is comprised of stainless steel.

Other standard features of the "Hardy" heater include:

- Adjustable aquastat
- Combustion blower
- Stainless steel pump with on/off relay
- Automatic water level controls
- Heat exchanger for domestic hot water

The "Hardy" provides hot water for hot air duct systems, water baseboard, radiant floor heat, and unit heaters. This product has been designed and tested for use by homeowners. The primary design goal is to provide you, the homeowner, with years of excellent service and easy maintenance.



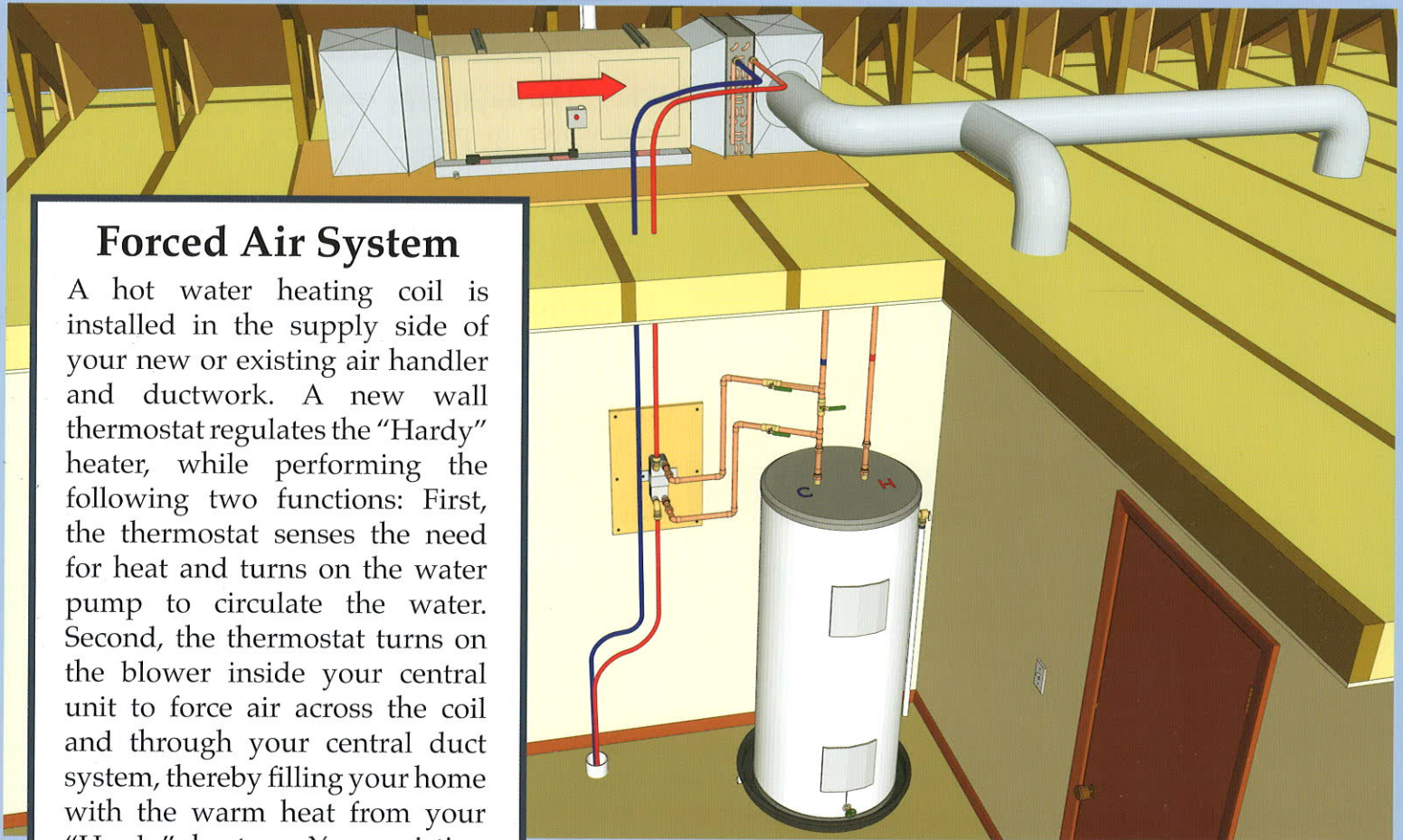
Swimming Pools

The "Hardy" can extend your swimming season by heating your swimming pool with a manual adjustable heat exchanger.



"Hardy" Fan Coil Unit

Homes without existing ductwork can benefit from the advantages of "Hardy" heat with a "Hardy" Fan Coil Unit, HFCU. The HFCU is an attractive finished furniture cabinet containing a hot water coil and fan. Water is circulated from the "Hardy" heater to the HFCU which is located inside your home. The fan inside the HFCU forces hot air across the water coil and heats your home, while a thermostat mounted on an electrical outlet adjacent to your HFCU regulates the temperature.

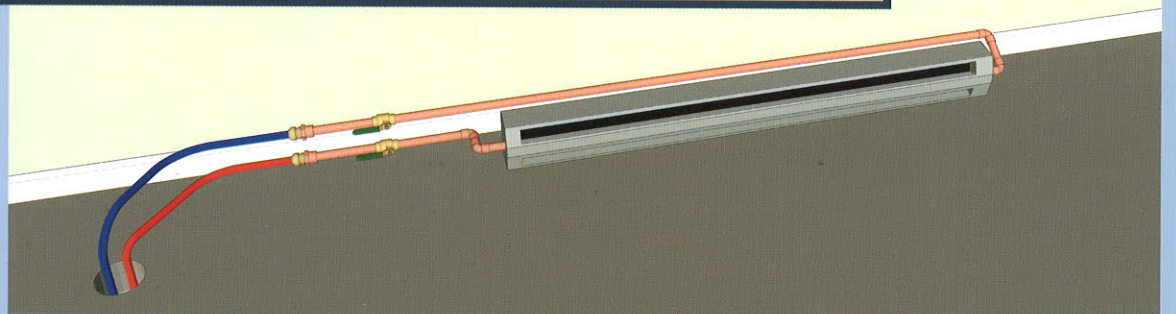


Forced Air System

A hot water heating coil is installed in the supply side of your new or existing air handler and ductwork. A new wall thermostat regulates the "Hardy" heater, while performing the following two functions: First, the thermostat senses the need for heat and turns on the water pump to circulate the water. Second, the thermostat turns on the blower inside your central unit to force air across the coil and through your central duct system, thereby filling your home with the warm heat from your "Hardy" heater. Your existing system can serve as a back-up heating source.

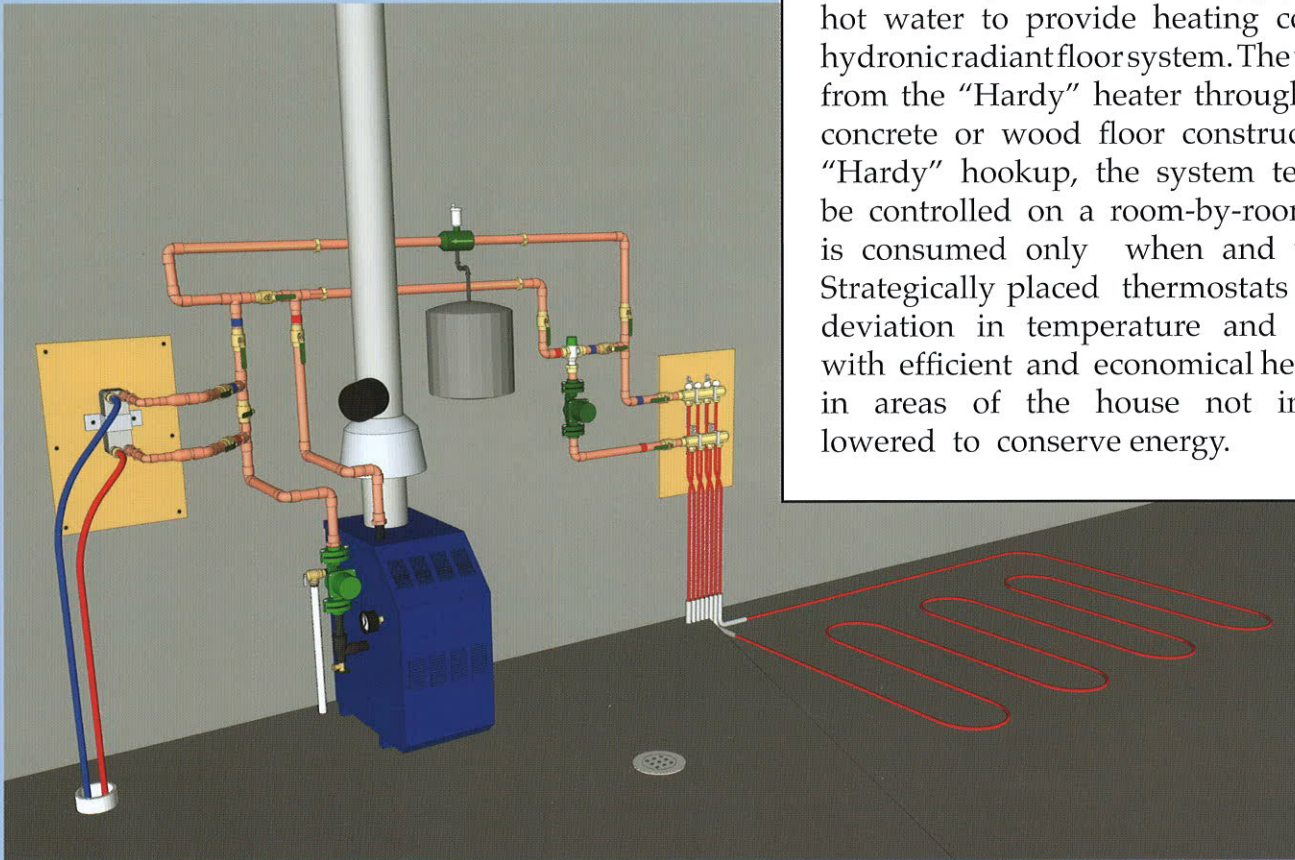
Hydronic Heater System

The "Hardy" heater can be connected directly to a new or existing boiler heating system where the heater circulating pump will supply the flow of hot water. The heat will be transferred throughout your home with the existing pump, zone valves, and baseboard radiation. The "Hardy" can be connected to any existing hydronic heating system that operates at 180 degrees Fahrenheit or less, pressurized or non-pressurized. Your existing system can serve as a back-up heating source.



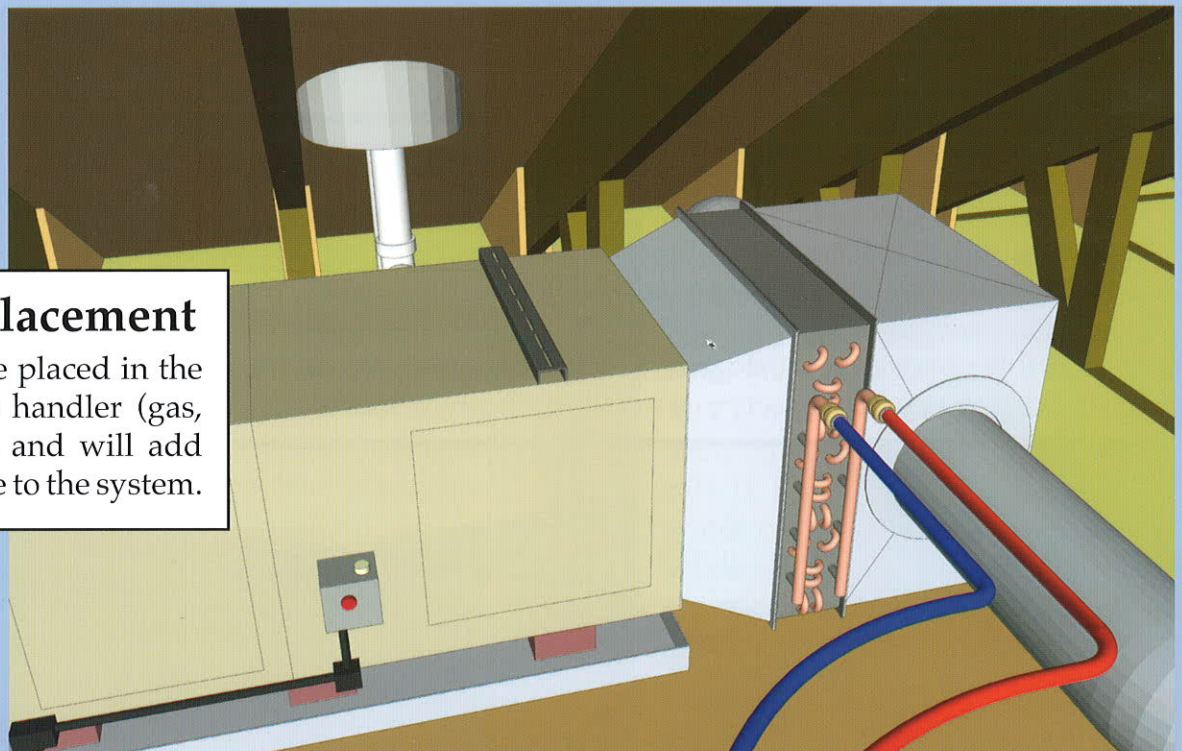
Radiant Floor Heating

The "Hardy" heater can supply the necessary hot water to provide heating comfort for your hydronic radiant floor system. The water circulates from the "Hardy" heater through tubing inside concrete or wood floor construction. With the "Hardy" hookup, the system temperature can be controlled on a room-by-room basis. Energy is consumed only when and where needed. Strategically placed thermostats recognize the deviation in temperature and react promptly with efficient and economical heat. Thermostats in areas of the house not in use can be lowered to conserve energy.



"Hardy" Coil Placement

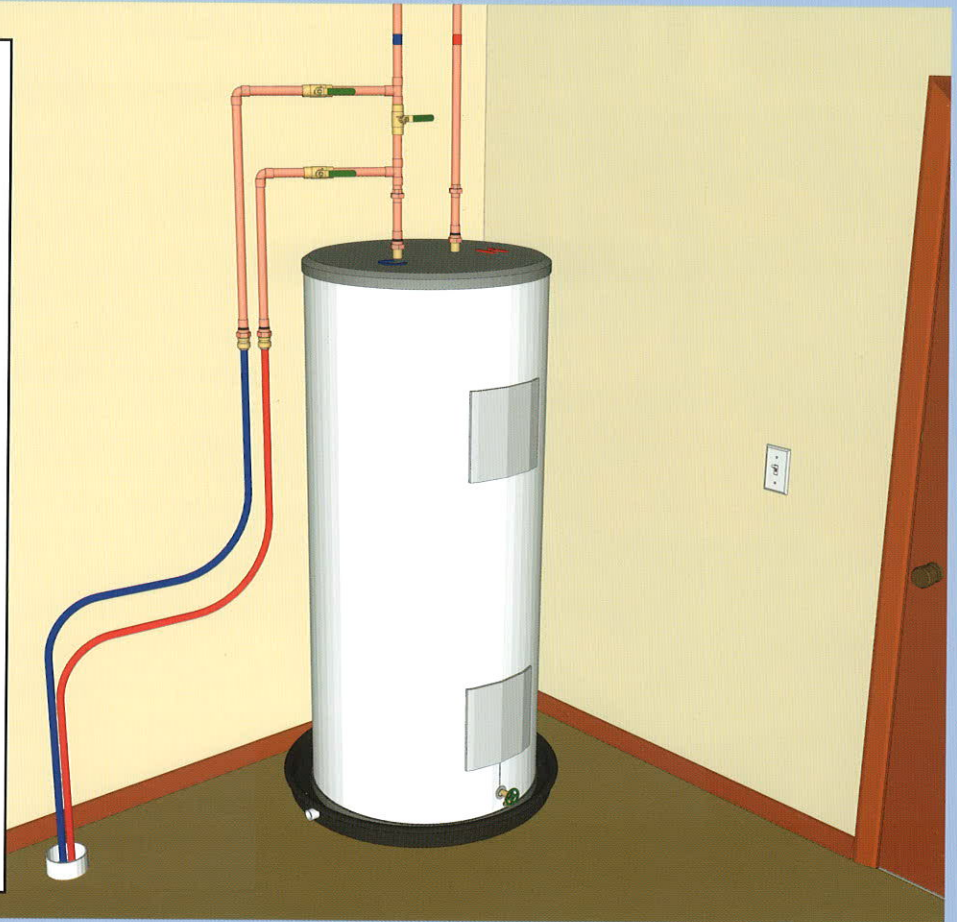
The "Hardy" coil can be placed in the supply duct of any air handler (gas, electric or heat pump), and will add little or no static pressure to the system.



Domestic Water Heater

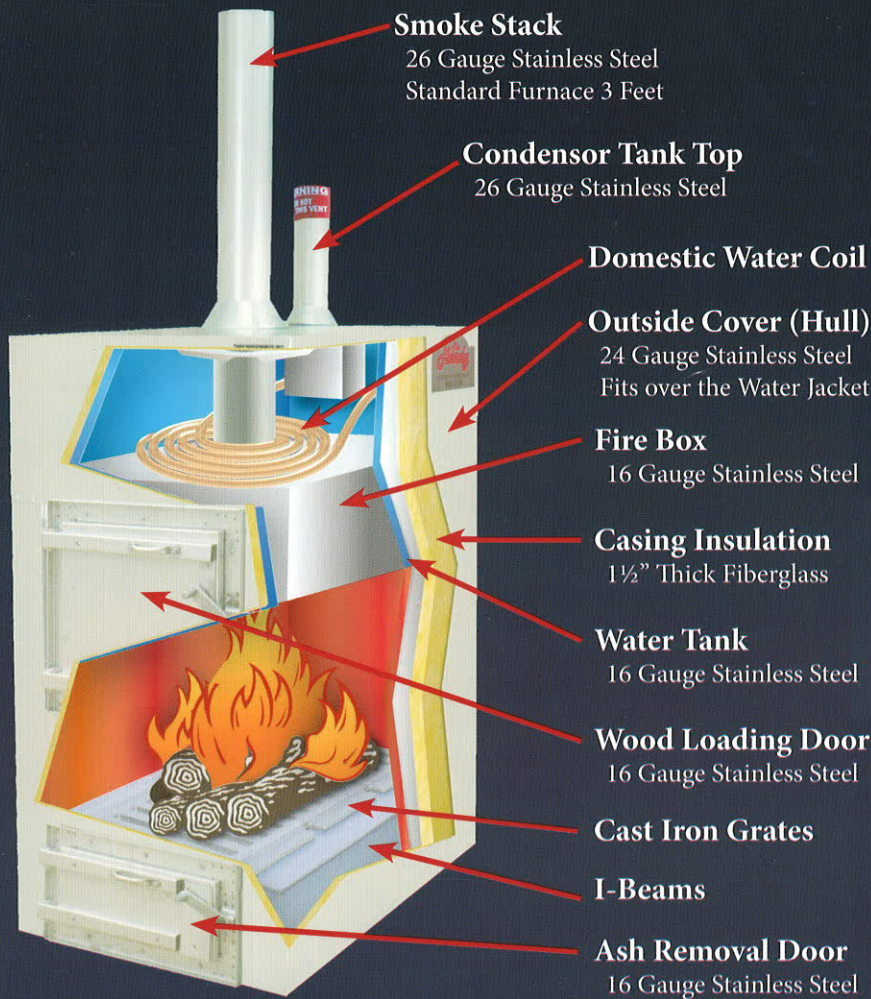
A heat exchanger connects the domestic water line to your "Hardy" heater to provide all your household hot water needs. The "Hardy" provides hot water for your bath, shower, kitchen, and laundry from hot water stored in the domestic water heater.

By opening a hot water faucet inside your home, the water pressure on the supply line will force water through the heat exchanger. As this water passes through the heat exchanger it is heated and then enters the cold water input on your hot water heater. This preheats your domestic hot water, increases the amount of hot water available for use, and reduces your hot water heating cost.



Dairies & Shops

The "Hardy" provides hot water for your dairy and shop from hot water stored in your domestic water heater. Your shop can be heated by connecting the "Hardy" heater to hydronic or forced air systems. The "Hardy" Commercial Fan Coil Unit is available for use in dairies or shops without existing hydronic or forced air systems.



Smoke Stack
26 Gauge Stainless Steel
Standard Furnace 3 Feet

Condenser Tank Top
26 Gauge Stainless Steel

Domestic Water Coil

Outside Cover (Hull)
24 Gauge Stainless Steel
Fits over the Water Jacket

Fire Box
16 Gauge Stainless Steel

Casing Insulation
1 1/2" Thick Fiberglass

Water Tank
16 Gauge Stainless Steel

Wood Loading Door
16 Gauge Stainless Steel

Cast Iron Grates

I-Beams

Ash Removal Door
16 Gauge Stainless Steel

The Hardy

Manufactured by:

Hardy Manufacturing Co., Inc.

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Philadelphia, MS 39350-3366

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Sales Information

1-800-5HARDY5 (542-7395)

www.hardyheater.com

Outside Heating Inc.

19870 Virgil H Goode Hwy

Rocky Mount VA 24151

800-695-7259 hardyfurnace.net



MODEL SPECIFICATIONS	H2 STANDARD	H3 ECONOMY	H4 STANDARD	H5 ECONOMY	H25 HIGH CAPACITY
Max. BTU/Hour Output	120,000	120,000	180,000	180,000	250,000
Fire Chamber Capacity	16 cu. ft.	16 cu. ft.	22.6 cu. ft.	22.6 cu. ft.	26 cu. ft.
Maximum Log Length	30"	30"	30"	30"	30"
Weight	650 lbs.	650 lbs.	850 lbs.	850 lbs.	1,000 lbs.
Fuel	Wood	Wood	Wood	Wood	Wood
Water Capacity	100 Gallons	100 Gallons	130 Gallons	130 Gallons	160 Gallons
Flue Size	6"	6"	8"	8"	8" x 10" Double Wall
Electrical Equipment	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz
DIMENSIONS					
Furnace With Cover	30" x 52.5" x 59.5"	30" x 52.5" x 59.5"	40" x 52.5" x 59.5"	40" x 52.5" x 59.5"	40" x 60.25" x 59.5"
Firebox	24" x 32" x 44"	24" x 32" x 44"	34" x 32" x 44"	34" x 32" x 44"	34" x 32" x 52" *
CONSTRUCTION					
Firebox, Water Tank, Base Ash Bin, and Doors	14 & 16 Gauge Stainless Steel	14 & 16 Gauge Stainless Steel	14 & 16 Gauge Stainless Steel	14 & 16 Gauge Stainless Steel	14 & 16 Gauge Stainless Steel
Smoke Stack and Outside Cover	26 Gauge Stainless Steel	26 Gauge Stainless Steel	24 & 26 Gauge Stainless Steel	24 & 26 Gauge Stainless Steel	24 & 26 Gauge Stainless Steel
STANDARD EQUIPMENT ON MODELS H2, H4, H25			STANDARD EQUIPMENT ON MODELS H3, H5		
Stainless Steel Circulator Pump, Combustion Blower, Automatic Aquastat Control, Cast Iron Grates, Automatic Water Fill Valve, Domestic Hot Water			Stainless Steel Circulator Pump, Combustion Blower, Automatic Aquastat Control, Cast Iron Grates		
OPTIONAL EQUIPMENT ON MODELS H2, H4, H25			OPTIONAL EQUIPMENT ON MODELS H3, H5		
2nd or 3rd Stainless Steel Pump and Controls			2nd or 3rd Pump and Controls, Automatic Water Fill Valve, Domestic Hot Water		
HEATING COIL FOR CENTRAL UNIT			HARDY FAN COIL UNIT (for homes without duct system)		
6" x 22" x 28" 89,000 BTU Capacity Higher and Lower Capacity Coils are Available			16" x 30" x 25" 60,000 BTU Capacity Blower & Heating Coils Electrical Outlet Mounted Thermostat, Requires 115V Grounded Outlet		
HYDRONIC HEATING SYSTEMS			COMMERCIAL FAN COIL UNIT		
Pressurized or Non-Pressurized Less than 180° F			70,000 BTU, 150,000 BTU & 196,000 BTU Capacity blower and Heating Coil		

* Max wood length is 29". The total length of the firebox is 42" minus the 13" on the secondary burn chamber.
Specifications are subject to change without notice; capacities and dimensions are approximate.