

# INDIRECT-FIRED STORAGE WATER HEATERS

## Slant/Fin Model WH



***The deluxe water heater built to last a lifetime***

▶ Long life stainless steel tank.

▶ Extremely low standby loss;  
saves energy.

▶ Faster recovery.  
More hot water per hour.

▶ 4 sizes: 30 gal., 40 gal., 60 gal.,  
and 80 gal.

***Slant/Fin***<sup>®</sup>

*For deluxe hot water service throughout your home, choose a Slant/Fin indirect-fired storage water heater. Equipped with its own heat exchanger coil, it offers better efficiency, faster recovery and longer life than a gas or oil direct-fired water heater. The Slant/Fin water heater provides an ample, continuous supply of hot water for your kitchen, bath and laundry.*

**Slant/Fin®**

**INDIRECT-FIRED WATER HEATERS**

**Model WH**

### **Much faster recovery for more hot water per hour**

In selecting a water heater for your home, "recovery rate" is just as important as tank size. When hot water is being used in the home, Slant/Fin water heaters restore full water temperature two to five times faster than direct-fired units. With more hot water per hour, you have more satisfying showers and less conflict between kitchen, bath and laundry for hot water use.

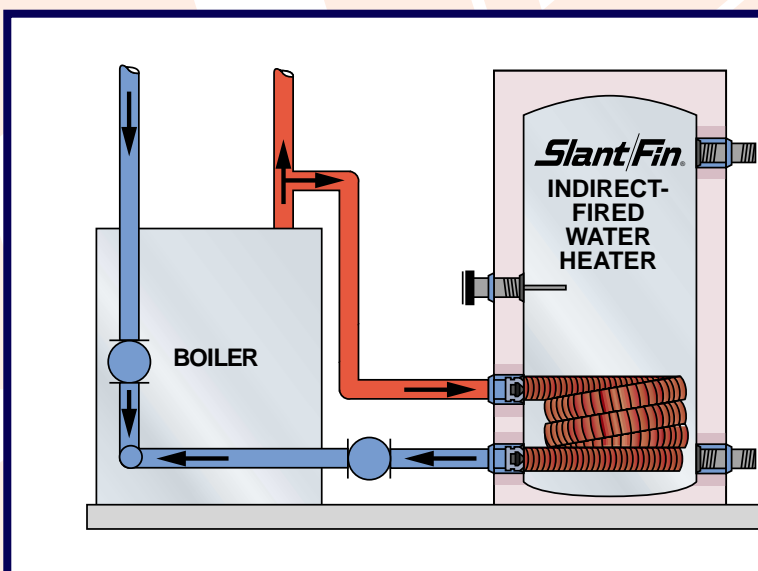
### **Not subject to typical stress leaks. Lasts years longer.**

The Slant/Fin water heater is not subjected to high temperature flames or flue gases. Its heat source is hot water from the boiler, typically in the 180° range. In contrast, direct fired water heaters experience continual stress between their metal tank and glass lining, caused by harsh fumes and flames up to 2,200°. The lives of these heaters are often ended by cracks and leaks that develop as a result of these elements. Ordinary water heaters are typically sold with just a 5 or 10 year warranty.

### **Resists rust and corrosion**

The Slant/Fin storage tank is made with type 316L stainless steel that resists rust and corrosion. Its high grade 90/10 cupronickel heat exchanger coil resists mineral build-up and provides maximum resistance to corrosion and discolored tap water, a potential problem with old style coils. The coil is continually scrubbed clean by the flow of incoming water. The heater's non-metallic jacket won't chip or rust.

The fully sealed design of the Slant/Fin water heater provides an extremely stable operating environment, resulting in many, many years of service.





## Far lower standby loss; higher efficiency

No other residential water heater is more effective at keeping water hot. Two inches of thermal foam insulation encapsulate the stainless steel storage tank of every Slant/Fin water heater. The standby temperature loss of the stored hot water is less than 1/2° per hour.

Other indirect heaters often have an inch or less of insulation, with a heat loss of 4 degrees or more per hour. Direct-fired heaters are even less efficient. They constantly lose heat up the flue, with standby loss of 7 to 12 degrees per hour. Their efficiency is often as low as 50 to 55%.

A boiler's efficiency is generally much higher (high efficiency Slant/Fin boilers have AFUE's in the 83 to 88% range). Since the boiler is the heat source for the Slant/Fin indirect water heater, energy costs are lower.

Annual fuel savings with a Slant/Fin Model WH heater can be substantial. And since there is no burner and vent, there's less maintenance, too.

Whether you're building a new home or replacing old equipment, the Slant/Fin indirect-fired water heater is an ideal choice. Since it doesn't require a chimney, it's a natural for use with through-the-wall vented boilers.

## Simple installation

With no separate burner, no moving parts and no venting required, Slant/Fin water heaters are easy to install. Threaded tapings are provided for cold city water in, hot water out, boiler water in and boiler water return. The temperature control well is factory installed. The control itself is ready to mount and wire to the boiler. Simple to follow instructions describe how to connect the heater with all of the common boiler piping and control configurations. When separate circulators are used for the home's heating zones, the optional Slant/Fin multi-zone switching relay can simplify wiring for the entire system while providing priority control for domestic hot water.

Double wall heat exchanger models are available in 40, 60 and 80 gallon capacities.

## How it works

***The Slant/Fin water heater is connected to your boiler just like a heating zone. Hot water from your boiler circulates through a heat exchanger coil built into the center of the water heater. The hot coil then heats the domestic water in the tank. Since each system is totally sealed, water from the boiler is never mixed with the storage water. This heating "loop" is only activated when the temperature of the water inside the tank drops below the control temperature.***

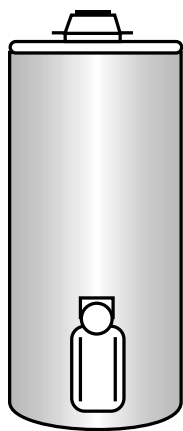


# Lifetime warranty

Every Slant/Fin indirect-fired water heater in residential use is covered against storage tank or heating coil leakage by a lifetime limited warranty. See the installation instruction booklet for complete details.

## Why choose a Slant/Fin indirect-fired storage water heater?

Compare the choices in comfort, efficiency and life expectancy.

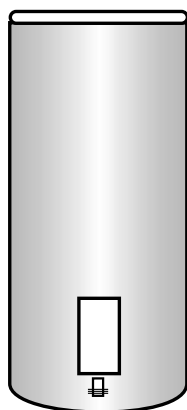


### Typical gas or oil direct-fired water heater

**Comfort:** Lower recovery rate produces less hot water per hour.

**Efficiency:** Separate burner and flue. Loses its heat quickly up the chimney. Standby loss of 7-12 degrees per hour.

**Typical warranty period:** 5 to 10 years.



### Typical electric water heater

**Comfort:** Very slow recovery rate produces less hot water per hour. Requires larger tanks.

**Efficiency:** Very high electric energy costs. Standby loss up to 2 degrees per hour.

**Typical warranty period:** 5 to 10 years.



### Slant/Fin indirect-fired water heater

**Comfort:** Rapid recovery rate. The 40 gallon unit delivers 195 gallons of hot water per hour.

**Efficiency:** Uses high efficiency boiler for heating. No chimney loss. Standby loss less than 1/2 degree per hour.

**Limited lifetime warranty.**



Model No.	RATINGS						DIMENSIONS						CONNECTIONS N.P.T.		Ship Weight (lb.)	
	Storage Capacity (gal)	First Hour Ratings (gph)		Heating Surface (sq.ft.)	Pressure psi		Height	Dia.	Floor to...				Domestic In/Out	Boiler In/Out		
		@ 140° (90°F ΔT)	@ 115° (65°F ΔT)		Test	Working			Boiler		Domestic					
WH-30	30	156	215	15	300	150	39½"	19¼"	9"	4½"	3"	34"	¾"	1"	67	
WH-40	40	195	288	15	300	150	52½"	19¼"	9"	4½"	3"	46"	¾"	1"	78	
WH-60	60	254	348	15	300	150	52½"	23¼"	9"	4½"	3"	46"	1"	1"	98	
WH-80	80	300	400	34	300	150	72"	24"	29"	6"	6"	66"	1½"	1"	139	
<i>Double wall coil models</i>																
WH-40D	40	110	152	20	300	150	52½"	19¼"	9"	4½"	3"	23¼"	¾"	1" male	88	
WH-60D	60	126	174	20	300	150	52½"	23¼"	9"	4½"	3"	23¼"	1"	1" male	108	
WH-80D	80	160	221	20	300	150	72"	24"	29"	6"	6"	33"	1½"	1" male	149	

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