



# AQUEFIER

Residential Heat Recovery Unit  
1.5 to 5 Tons  
18,000 to 60,000 Btuh



doucette industries, inc.

The Heat Exchanger Application Specialists



# AQUEFIER



## Safely Heats Domestic Water to 140°F Through Waste Heat Recovery

Doucette Industries' Aquefier Residential Heat Recovery Unit is designed to safely heat domestic water to 140°F by recovering waste heat from residential air conditioner or heat pump of up to 60,000 Btuh capacity. The water heater, in most installations, can be turned off during the cooling season and switched back to fossil fuel heat sources. The Aquefier is the safe and efficient method to provide safe hot water for residential home owners.

### Saves Energy, Reduces Fossil Fuel Usage

Why pay more for fossil fuel energy to heat your hot water when you can heat it for free using waste heat from your air conditioner system. Based on an active family of four, the Aquefier will yield a return on investment of 15%. That means heating domestic water to 140°F for all household chores without fear of cross contamination.



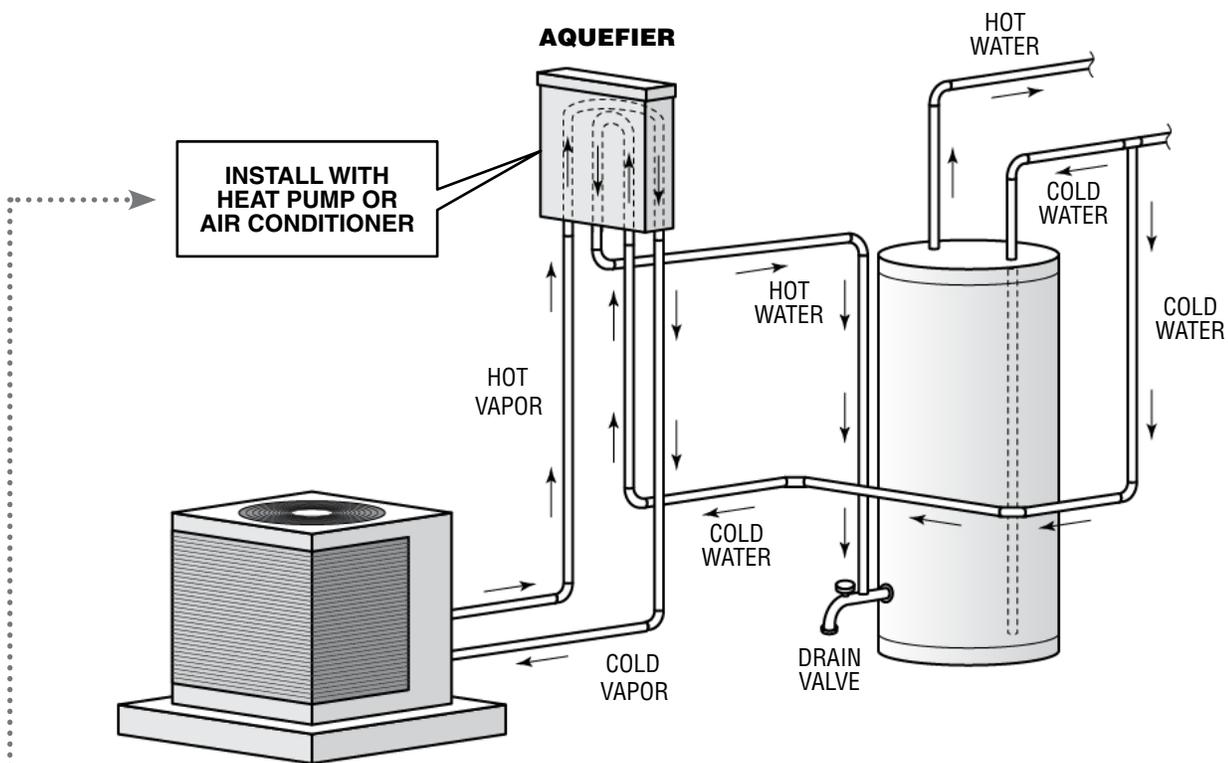
### Features

- Insulation-wrapped, circular shape heat exchanger
- Refrigerant 125° F (standard)
- Freeze 50° F - (designate F option)
- Water 140° F (standard)
- Pump - 40 watt circulator Taco 006
- Ball valves with handles and pressure relief valve - (designate PC option)



### Greater Air Conditioner Efficiency

By installing a Doucette Aquefier, your air conditioner runs more efficiently saving money on operation. Compressor life of the air conditioner is extended when adding the Aquefier because the system's operating pressure is reduced so the compressor doesn't have to work as hard. And since the air conditioner does not work as hard, it requires less maintenance and extends the life of the unit while it's working. Improvements in the air conditioning system's efficiency range up to 13% resulting in a savings of up to \$15 to \$20 per month.



### Easy to Install Indoors or Outside

The Aquefier can be installed both indoor and outside for both A/C systems and heat pump. In generally warm climates, the compact unit can be mounted externally with piping run from the unit to the water heater. The unit will heat water as long as the compressor is running. In cooler climates the unit will automatically shut down and hot water from the water heater will reverse to prevent freezing on colder days. The Aquefier can also be mounted internally to prevent water freezing and running additional water lines.

The Aquifer's heat exchanger is designed to prevent cross contamination of the domestic water from the air conditioner's refrigerant and oil. A 40 watt pump circulates water from the water heater tank to the Aquifer's heat exchanger whenever the air conditioner is operating and the water temperature is less than 140F. In climates where there is a chance of freezing temperatures, a freeze stat option (-F) is available. Also, an option (-PC) is available to valve off and drain the water in the Aquefier as further assurance against freeze up during colder weather.

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## Ordering Information

Item No.	TR	Stop & Relief Valves	Freezestat	Suitable Systems	Refrig. Connection	Water Connection	Weight
R6K	1-1/2 - 5 Tons 18,000 - 60,000 Btu/hr	-	-	For Air Conditioners and Heat Pumps	1/2"	1/2"	15 lbs.
R6K-PC	1-1/2 - 5 Tons 18,000 - 60,000 Btu/hr	PC	-	For Air Conditioners and Heat Pumps	1/2"	1/2"	15 lbs.
R6K-F	1-1/2 - 5 Tons 18,000 - 60,000 Btu/hr	-	F	For Air Conditioners and Heat Pumps	1/2"	1/2"	15 lbs.
R6K-PC-F	1-1/2 - 5 Tons 18,000 - 60,000 Btu/hr	PC	F	For Air Conditioners and Heat Pumps	1/2"	1/2"	15 lbs.



### Over 21 years of savings on my electric bill

*I've saved money on my electric bill every year with my heat recovery unit. After 21 years of savings, I just had to have one installed when I moved to my new home. Now with our electric prices still climbing, I'm glad to know that every time I hear my air conditioning come on, I'm still saving money. You need to get one for your home too!*

**Don F., Home Owner, Largo, FL**



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