

## C Series HEAT RECOVERY UNIT



### Heat Recovery Unit For Hot Water From Commercial HVAC or Refrigeration Systems.

The C Series Heat Recovery Unit captures up to 20% waste heat discharged from the refrigerant cycle in an Air Conditioning unit, Refrigeration plant or Cool Room and transfers that heat into a water heater tank, creating low cost hot water and reducing the level of CO2 in the environment.

The unit also improves the cooling efficiency of the Refrigeration system while it is operating. The Model C Series is designed to operate with systems of 21 to 70 Kw cooling capacity. Higher capacity units are available.

#### COST RECOVERY TIME

With a low cost conversion a typical pay back time is numbered in a few weeks or typically less than 6 months. From that point all the energy recovered is at no cost.

#### HOW DOES IT WORK

The refrigerant side of the Heat Recovery Unit Heat Exchanger is installed in the refrigerant hot gas line between the compressor and condenser.

Waste heat may be collected when the compressor operates, and the water circulating from the water heater tank is less than 60C.

Installation takes only a few hours by a qualified refrigeration engineer.

#### FEATURE HIGHLIGHTS

- 230 volt wiring for easy connection to compressor contactor
- Factory wired and preset controls
- Fully automatic operation
- High-Efficiency All-Copper Vented Double-Wall Heat Exchanger
- Available in 1,2 or 4 circuits
- Water lubricated low wattage Circulator
- Grounded electrical circuit.
- Sturdy Aluminum Cabinet with baked enamel finish for outdoor or indoor use
- ARL listed Appliance, with UL approved components
- Freezestat option available
- Water connection accessories available

#### CONTROLS

All AQUEFIER models contain a water high limit control. It is factory set to 60C.

Models also contain a refrigerant gas low limit. It is factory set to 51C.

AQUEFIER Heat Recovery Units contain a corrosion resistant all-copper double wall heat exchanger of counterflow twin tube design.

Continuously vented along its entire length, the Heat Exchanger meets strict IAPMO safety criteria, and exceeds UL requirements.



Height 460mm  
Width 280 mm  
Depth 145 mm

#### WARRANTY:

AQUEFIER Heat Recovery Units offer a limited Parts Warranty as follows:  
Heat Exchanger- 5 Years;  
Pump- 3 Years  
All other components- 1Year.



AHTT Pty Ltd can be contacted at

Phone: 02 9890 7122  
Fax: 02 9890 7133

Email: [ahtt@bigpond.net.au](mailto:ahtt@bigpond.net.au)

Web: [www.heattransfer.com.au](http://www.heattransfer.com.au)