



DESUPERHEATERS DOUBLE WALLED FOR YOUR FREE HOT POTABLE WATER SUPPLY



Freon Systems – AC series
Ammonia Systems- CADS Series

A Global Heat Transfer Company

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The **AHTT Series Units** Extends Your Hot Water Capability Inexpensively

- Lowers hot water heating costs by utilizing waste heat
- Heats potable water up to **60 °C**
- Reduces refrigeration operating costs 3% to 5%
- Typical Payback Period of Two Years or Less
- Double wall construction prevents cross Contamination
- UL and USDA Listed with CRN

The CADS Series Ammonia Desuperheater/Water Heater™ delivers cost-effective energy savings by heating potable water through the recovery of waste heat from industrial refrigeration systems. The CADS unit supplements potable hot water heating used for process applications by capturing “superheat” which accounts for approximately 10% to 15% of the total system heat of rejection. The CADS Series can effectively heat the water up to **60 degrees C**

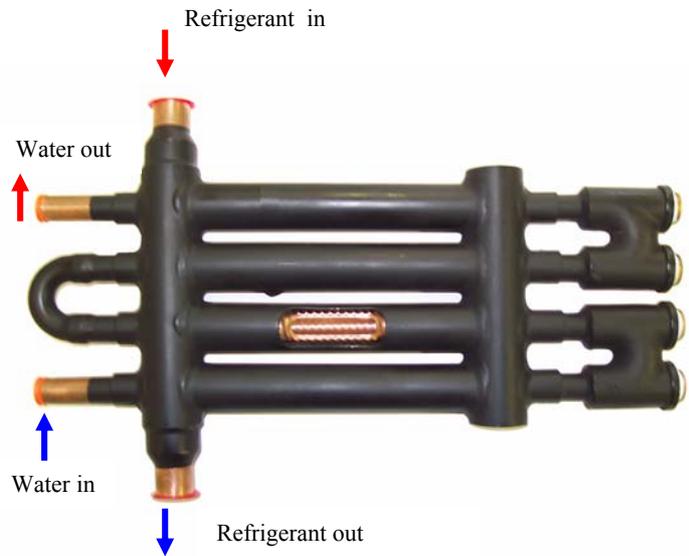
- Food Processing Plants
- Food Distribution Plants
- Beverage Plants
- Ice Rinks

Enhanced Reliability with “Free-Floating” Tube Construction

Temperature differences between the water and refrigerant can subject tubing to thermal shock. Thermal shock can work harden the tubing of the heat exchanger, leading to premature failure. Unlike single wall, plate and shell/tube heat exchangers, the **AHTT AC Series™** heat recovery unit eliminates work hardening through a patented tube design that mechanically “free-floats”, allowing the inner tubes to expand and contract as needed.



Basic configuration



General tube arrangement- with cut out

Typical Applications

- Hotels
- Apartments
- Restaurants
- Schools
- Universities
- Hospitals
- Swimming Pools
- Office Buildings
- Supermarkets
- Ice Rinks
- Anywhere hot water is needed for domestic and reheat purposes

