

Transform the waste heat from your cooling system into profits.

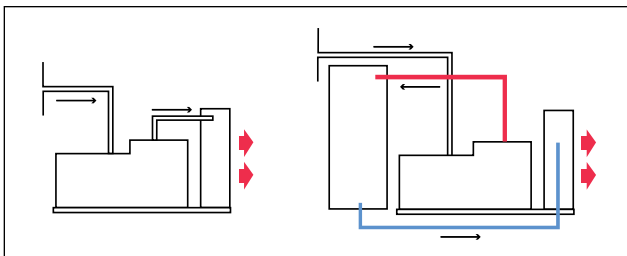
A Therma-Stor® Heat Recovery System cools your compressors so they run more efficiently and gives you FREE hot water. That means lower utility bills and more money for you.

Recovering Heat is Our Business

By recovering the heat from your cooling system, you can heat water for free. Heat recovery is cost-effective technology for restaurants, supermarkets, food processors...any business that needs hot water and uses refrigeration or air conditioning. Heat recovery is Therma-Stor's specialty – the most efficient units with the lowest pressure drop in the industry. Therma-Stor engineers have been the first to introduce major innovations in heat transfer technology. Innovations which you can find in all our products. Innovations that can increase your profits. You can look confidently to Therma-Stor for the state-of-the-art in heat transfer technology now... and in the future.

Therma-Stor Heat Recovery System

A Therma-Stor system recovers wasted energy for free hot water. A typical cooling system uses refrigerant to remove heat from the area to be cooled – the refrigerant absorbs heat and changes to a gas. Without a Therma-Stor heat recovery system, this heat is just dissipated to the surrounding area and is wasted. The Therma-Stor system uses this “waste” energy to heat water by passing the refrigerant gas through a double-walled heat exchanger surrounding the water storage tank giving you FREE hot water.



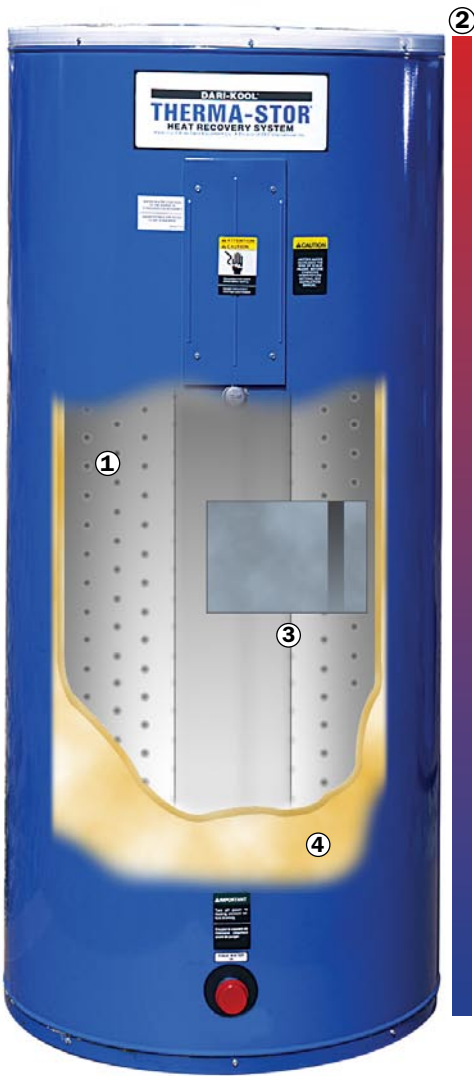
Therma-Stor is recognized as the innovative leader in heat recovery technology. Therma-Stor has received the Award For Energy Innovation from the U.S. Dept. of Energy as well as the Governor's Award as an Outstanding Product from the Wisconsin Society of Professional Engineers.



Therma-Stor LLC

Driven by performance. Powered by design.™

The Engineered Difference



- 1 Maximum heat transfer with minimum pressure drop.** Therma-Stor “hot plate” heat exchanger provides maximum heat transfer surface area while minimizing refrigerant pressure drop.
- 2 Makes the most hot water available.** Stratified tank (water near the top is the hottest) makes for quick recovery and efficient heat transfer. And because it operates at a low temperature, a Therma-Stor tank is less prone to scaling, which can reduce efficiency.

Simple operation. The Therma-Stor is a “passive” device – no motors or pumps.

More comfortable work areas. Can reduce “hot kitchen” problems by removing condenser-generated heat from area.

Extends Compressor life. Compressors don’t need to work as hard in a cooler environment – less compressor and condenser fan run time.

Requires minimal space in your equipment area. Compact because it heats and stores water in a single unit.
- 3 Long life.** The industrial glass-lined water storage tank resists corrosion and has two replaceable anodes for extra protection. Five-year warranty on the heat exchanger and water tank backed by established company.
- 4 UL Approved.** Thoroughly tested and listed by Underwriter’s Laboratories, Inc. Meets all codes required for double-wall heat exchanger. CSA approved units available. 2” or foam-in-place insulation (R16) meets ASHRE 90 standards.

Fits any cooling system. Therma-Stor units are available in one, two, and six circuit designs. That means you can connect one to six compressors using different refrigerants to a single unit. Therma-Stor units can accommodate compressors from 1/2 hp to 100 hp or more. Auxiliary resistance backup is available.

A Therma-Stor system improves cooling efficiency–cuts operating costs of water or air cooled condensers. By providing additional condensing surface, a Therma-Stor unit improves refrigeration efficiency. It reduces the heat discharged by an air-cooled condenser. Compressor efficiency goes up as temperatures go down. The end result is after cooling and prolonged compressor life. With water-cooled condenser, less cooling water is required. This means double savings–reduced water/sewage charges and reduced water heating costs.

Many business can benefit from a Therma-Stor Heat Recovery System. Commercial air conditioning systems, coolers, freezers, ice machines and other refrigeration systems have enough waste heat energy for large scale water heating.

Therma-Stor Users Include:

Restaurants

Big Boy
KFC
Bob Evans Farms
McDonald’s
Burger King
Perkins
Country Kitchen
Taco Bell
Hardees
White Castle

Hotels, Institutions

Cornell University
Indiana University
Dartmouth College
Marriott International
Hilton Inn
University of Maine
Holiday Inn

Supermarkets

A&P
Kroger
Albertson’s
Publix
Food Lion
Safeway
Grand Union
Target
IGA
Wal-Mart
K-Mart
Winn-Dixie

Call toll-free for sizing, application, specification and ordering information: **1-800-533-7533.**



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Specifications subject to
change without notice.