

Therma-Stor® Heat Recovery Systems

■ **Therma-Stor® II-80 and II-120**



Thermo Dynamic Efficiency at Work

The revolutionary *Therma-Stor® Heat Recovery System* is a cost-saving, double-walled heat exchanger and water storage system that captures the heat your cooling process naturally loses and uses it to heat your water.

The Ultimate in Cost-Saving Efficiency!

Cooling systems without a *Therma-Stor® Heat Recovery System* simply allow valuable heat from the milk to dissipate into the air – a lost opportunity for energy conservation and cost savings.

Water heating costs are reduced by as much as 65 percent with the *Therma-Stor Heat Recovery System*, based on volume of milk cooled, compressor run time and water usage.

Therma-Stor® II-80

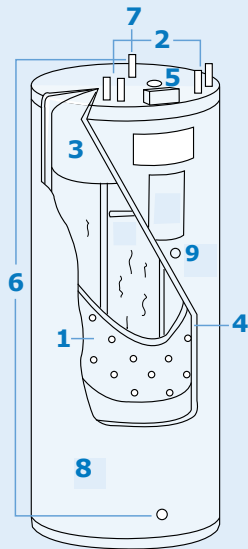
Designed for dairies with a single compressor.

Therma-Stor® II-120

Designed for single or double compressor dairy operations.

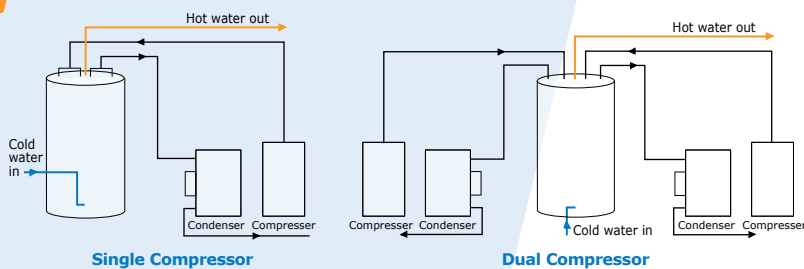
Therma-Stor® Heat Recovery Systems are quality built to resist corrosion and stand up under the harshest conditions. The glass-lined water storage tank has two replaceable anodes for added corrosion protection. Each unit carries a 5 year limited warranty.

Therma-Stor® Heat Recovery System Construction Specifications

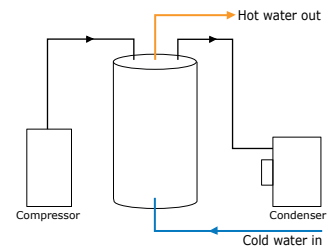


1. Vertical dual-circuit heat exchange plate welded and expanded for internal refrigerant passage on II-120 model. (Single circuit on II-80 model)
2. 3/4 in. (1.9 cm.) OD refrigeration inlets and 5/8 in. (1.6 cm.) OD outlets
3. Industrial glass-lined hot water storage tank
4. 1-3/4 in. (4.5 cm.) foam-in-place polyurethane insulation
5. Tank is dual anode protected against corrosion for extended tank life
6. Water inlet and high-temperature outlet are 1-1/4 in. (3.2 cm.) male NPT
7. 150 PSI (10 bar) and 210°F (100°C) pressure/temperature relief valve
8. Attractive water resistant outer wrapper
9. Medium temperature water out 3/4 in. (1.9 cm.) NPT

Basic Therma-Stor® II-120 and III-120 Installations



Basic Therma-Stor® II-80 Installation



Model Specifications

	Model No.	Nom. Water Capacity	Diameter	Height	Condensing Load Cap
Single Circuit	II-80	80 gal. / 300 L	24 in. / 60.9 cm.	64 in. / 162.5 cm.	5 tons***
2 Circuit	II-120	119 gal. / 450 L	28 in. / 71.1 cm.	67 in. / 170.1 cm.	7.5 tons/circuit, 15 tons total***
High Capacity	II-120	1-1/8 in. refrigeration connections; Refrigeration Capacity: 12 ton R-22/circuit*** (25 ton total capacity)			

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