

MODEL "DHS" FRE-HEATER® HEAT RECLAMATION UNIT



CONVERT WASTED HEAT INTO FREE HOT WATER WITH A MUELLER® FRE-HEATER®!

Up to 60% of the normally wasted energy discarded from refrigeration and air-conditioning systems can be recovered with a Mueller® Model "DHS" Fre-Heater®. By transferring the recovered heat energy to water, vast amounts of free hot water can be stored for use when and where the need arises.

The bottom line is the Fre-Heater pays for itself *plus* reduces your energy costs proportionately to your hot water usage.

Walk-in coolers, freezers, commercial air-conditioning systems, ice machines, and other refrigeration systems all waste enough heat energy to produce hot water on a large scale.

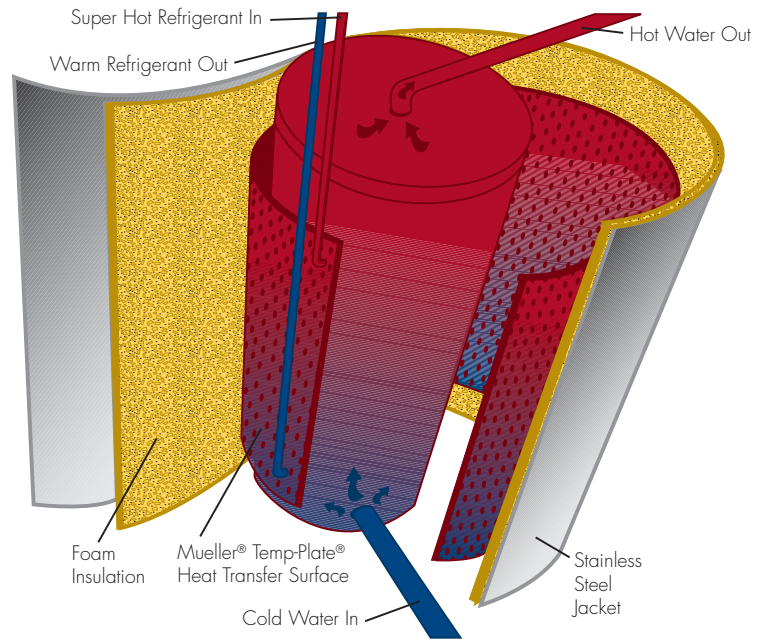
The Model "DHS" Fre-Heater enables a user to channel recovered energy into a single Fre-Heater unit, producing more than enough hot water to satisfy your needs.

MUELLER®
REFRIGERATION PRODUCTS

Save Energy and Get Free Hot Water with a Mueller Fre-Heater!

STANDARD FEATURES

- ◆ Designed for 150 psi maximum water working pressure and 500 psi maximum refrigerant working pressure.
- ◆ Available in 119-gallon capacity.
- ◆ Patented stainless steel Temp-Plate® is the heart of the Fre-Heater system. This highly efficient heat transfer surface is constructed of 100% stainless steel. Thoroughly tested and listed by CSA US, it meets all codes required for double-wall heat exchanger construction.
- ◆ The industrial-grade, glass-lined water storage tank resists rust and features two replaceable magnesium anodes for extra protection against natural water corrosion, increasing the life of the tank.
- ◆ Model “DHSE” Fre-Heaters offer all of the features of a standard Model “DHS” Fre-Heater with the addition of a 4,500- or 6,000-watt, 240- or 460-volt electric element.
- ◆ Heats and stores in one unit. Operates on any potable water supply because it is virtually immune to corrosion.



FRE-HEATER MODEL “DHS” TECHNICAL SPECIFICATIONS

Model No.	Mueller Part No.	Water Connection Size	No. of Refrig. Circuits	Refrig. Connection Size	Refrig. Tonnage Capacity*	Element Voltage	Element Wattage	Dimensions		Water Tank Capacity	Approx. Shipping Wt. (lbs)
								Height	Diameter		
DHS-120	8825141	1.25" FPT	1	1.625" ODM	14 thru 70	N/A	N/A	62"	29.5"	119	440
DHSE-120A4	8825142	1.25" FPT	1	1.625" ODM	14 thru 70	208-230	4,500	62"	29.5"	119	440
DHSE-120B4	8825143	1.25" FPT	1	1.625" ODM	14 thru 70	460	4,500	62"	29.5"	119	440
DHSE-120A6	8825213	1.25" FPT	1	1.625" ODM	14 thru 70	208-230	6,000	62"	29.5"	119	440
DHSE-120B6	8825214	1.25" FPT	1	1.625" ODM	14 thru 70	460	6,000	62"	29.5"	119	440

*Refrigeration tonnage capacities are evaporator load tons, not heat of rejection tons.
 Conditions for these capacities are: 30°F evaporator temperature, 110°F condensing temperature, and 50°F discharge gas superheat.
 Pressure drop through the Fre-Heater refrigeration circuits at the maximum rated tonnage will be approximately 15 psi.
 Pressure drop at the mid-range of the tonnage ratings will be approximately 5 to 7 psi.



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