

# FRE-HEATER®



**MUELLER**

THE MILK COOLING SYSTEMS SPECIALISTS™

# Mueller® Fre-Heater®

*Convert Wasted Heat Into Free Hot Water With A Mueller Fre-Heater!*

Whether your dairy farm operation is large or small, you need plenty of hot water for equipment cleanup, cow prepping, and feeding calves. What better way is there to meet your everyday needs than with free hot water? The Mueller® Fre-Heater® recovers wasted heat from your milk cooler's condensing unit and uses it to heat water you can use around your farm. Adding Paul Mueller Company's Fre-Heater to your milk cooling system will drastically reduce the cost of hot water in your operation, thereby lowering your cost of production and enhancing your profitability.

The Model "D" Fre-Heater consists of a heavy-duty, glass-lined storage tank surrounded by stainless steel Mueller Temp-Plate® heat transfer surface for maximum heating efficiency. Two-inch foam surrounds the Temp-Plate, keeping heat within the tank. A rust-resistant, stainless steel outer jacket houses the entire assembly for protection and appearance.

The Mueller Model "D" recovers 45% to 60% of your system's wasted heat energy, depending on the refrigerant type. It is available in 50-, 80-, and 120-gallon sizes to meet your specific hot water needs.

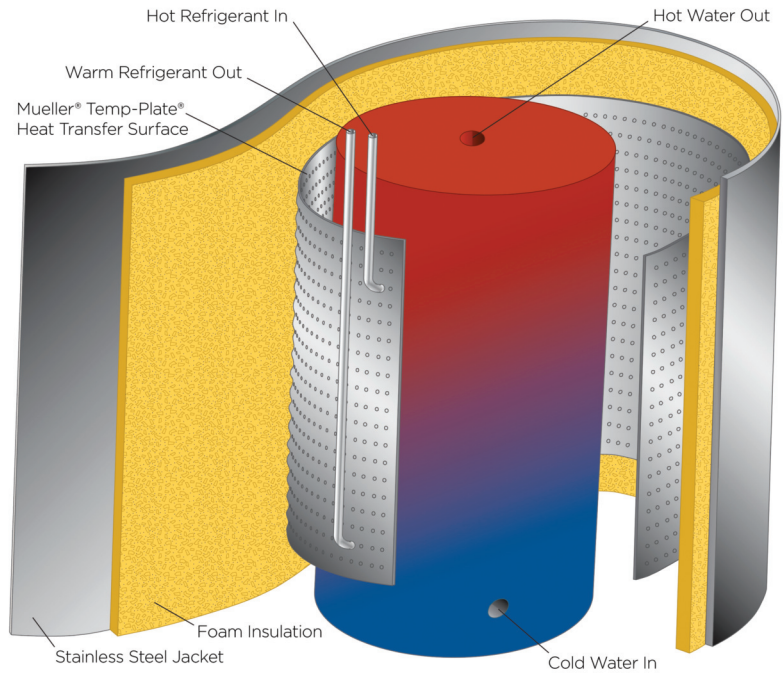
The Mueller Model "DE" Fre-Heater is similar in construction to the Model "D" Fre-Heater, and it also automatically recovers up to 60% of your system's wasted heat energy. A 4.5 kilowatt heating element is included for maintaining 120° to 170°F water. The Model "DE" is available in a 120-gallon size.



*Monte Balcaen,  
20-Year Mueller  
Metal Master*

## Features and Benefits

- Stainless steel outer jacket. Rust resistant exterior requires no maintenance.
- Mueller Temp-Plate heat transfer surface cools the super-heated refrigerant from the milk cooling condensing units and harvests the system's wasted heat energy.
- Industrial-grade, fully insulated, glass-lined storage tank assures minimal heat loss and long-term reliability.
- Factory-installed anode(s) provides superior galvanic corrosion protection for the water storage tank. Model D-120 has 2 anodes, and Models D-50 and D-80 each have 1 anode.
- Five-year limited warranty protects your purchase.
- Complies with CSA regulations for the United States and Canada.



Mueller Fre-Heater Specifications								
Model No.	Part No.	Water Connection (in)	No. of Refrig. Circuits	Refrig. Connection Size (in)	Per Circuit Refrig. Application Capacity*	Height (in)	Diameter (in)	Approx. Shipping Weight (lb)
D-50	8823750	¾ MPT	1	⅝ ODM	½ to 4 ton R-22/507	53⅞	21¾	225
D2-50	8823751	¾ MPT	2	⅝ ODM	½ to 4 ton R-22/507	53⅞	21¾	225
D-80	8823780	¾ MPT	2	¾ ODM	1 to 5 ton R-22/507	58⅞	25¼	320
D-120	8823821	1½ FPT	2	¾ ODM	1 to 7½ ton R-22/507	61¾	29½	475
D2-120	8823820	1½ FPT	2	1⅞ ODM	3 to 15 ton R-22/507	61¾	29½	475
DH-120	8823823	1½ FPT	2	1⅞ ODM	7 to 35 ton R-22/507	61¾	29½	475
DE-120	8823822	1½ FPT	2	1⅞ ODM	3 to 15 ton R-22/507	61¾	29½	475

\*Refrigeration tonnage capacities are 30°F evaporator ton loads, not total heat of rejection tons. Pressure drop through a Fre-Heater refrigeration circuit will be approximately 15 psi at the maximum tonnage application. Pressure drop at the mid-range of tonnage application will be approximately 5 to 7 psi. The best overall refrigeration/heat recovery system efficiency is usually obtained at or below the mid-range tonnage application.

Visit [dfe.paulmueller.com](http://dfe.paulmueller.com) to calculate your Fre-Heater energy savings!

**Visit [dfe.paulmueller.com](http://dfe.paulmueller.com) to  
see all of our *COOL* products!**

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