



## ERS<sup>TM</sup> energy recovery unit Maximize your operation's energy efficiency



The ERS<sup>TM</sup> energy recovery unit can save energy, cut costs and improve efficiency to help increase your operation's bottom line.

### **Energy efficiency can mean profitability**

The ERS<sup>TM</sup> energy recovery unit recovers heat removed from milk and stores it as hot water. By utilizing the very latest in heat transfer technology, the ERS operates more quickly, thoroughly and consistently than other heat-recovery units. The ERS works in concert with your refrigeration and water-heating equipment allowing them to work more efficiently, too.

### **Reduce energy demand**

By storing the heat removed from milk in cooling and using it later to heat water, the ERS helps you conserve energy normally required to heat water. By helping to cool milk more efficiently, it can reduce the energy needed to reach the desired cooling temperature.

### **Reduce energy costs**

The ERS helps reduce energy costs two ways. First, the ERS unit can recover up to 60 percent of the heat removed from milk in the cooling process and convert it to virtually cost-free hot water for use in your pipeline and parlor washing. Many users report an average payback of five dollars per cow when using the ERS. Greater energy efficiency may also qualify your operation for rebates through your local utility company.



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**Your DeLaval dealer**

## Guaranteed performance

The ERS™ is backed by a five-year warranty with total coverage on water storage and stainless steel heat transfer storage.

## Quality construction

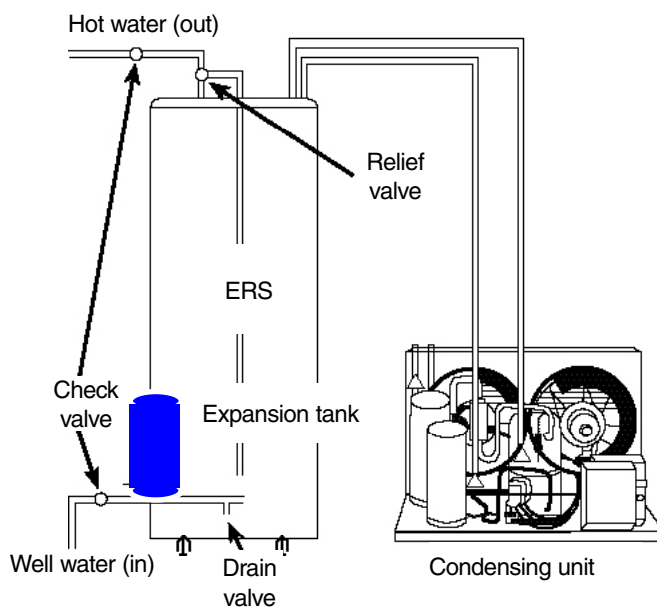
Stainless-steel exterior and stainless-steel refrigeration piping help deliver long life and performance. Other quality features include foamed-in-place insulation, quick-connect fittings and glass-lined water tanks, for even, consistent cooling.

## Choice of sizes

The ERS is available in a number of sizes. Choose from 80- or 120-gallon capacity. Refrigeration units start at 2 hp and increase up to 20 hp to help you maximize efficiency depending on your refrigeration needs.

## Optional features

Choose top-mounted elements to automatically maintain temperatures from 120° to 180° F (48° to 82° C).



The ERS™ combines rugged construction with precision engineering to deliver superior performance and durability.

Water Capacity	Water Connections	No. Heat Transfer Plates	Ref. Circuit Size	Refrigeration Unit Application
80 gal. (300L)	3/4" inlet 3/4" outlet	1	3/4 ODM	1 - 5 ton
120 gal. (450L)	1-1/4" inlet 1-1/4" outlet	2		1 - 7.5 ton
120 gal. (450L) Commercial	1-1/4" inlet 1-1/4" outlet	2	1 1/8 ODM	3 - 15 ton
120 gal. (450L) Electric (4,500w)	1-1/4" inlet 1-1/4" outlet	2	1 1/8 ODM	3 - 15 ton
12 gal (450L) High Flow	1 - 1/2" inlet 1 - 1/2 outlet	2	1 5/8 ODM	7 - 35 ton

1 ton = 12,000 BTU  
 1 hp = 2,547 BTU