

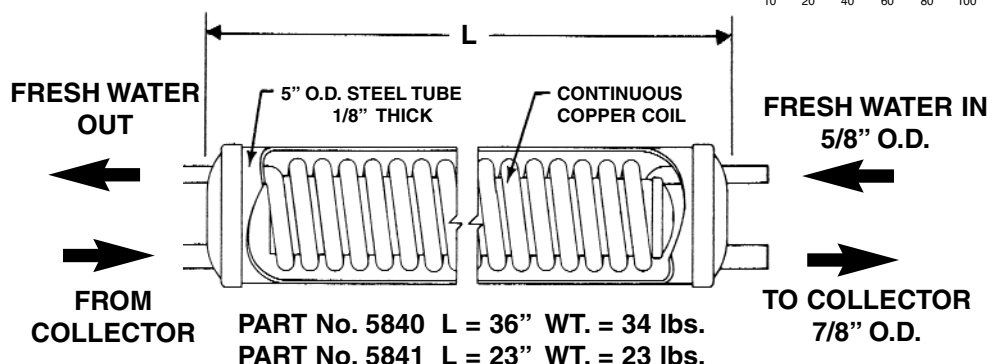
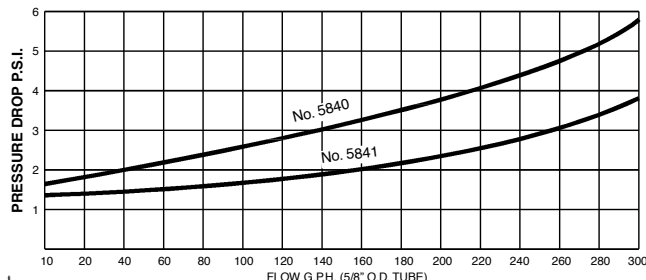
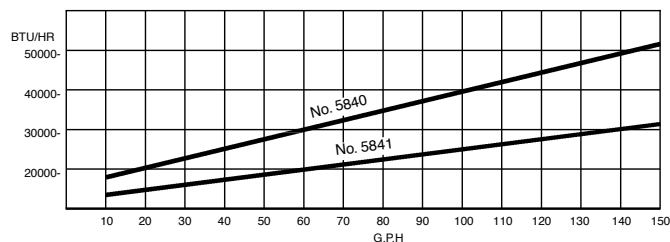
HEAT EXCHANGERS

LIQUID TO LIQUID

These heat exchangers have been produced for many years by our Solar Research Division for use to provide heat interchange between liquid circulating from solar collectors and water in a storage tank. These can be used for other applications where a liquid to liquid heat exchange is needed.

A continuous copper coil runs through the heat exchanger eliminating all internal joints. A steel tube casing encloses the coil and an internal steel baffle slows the surrounding liquid inside the casing for maximum heat transfer.

CURVES BASED UPON WATER ENTERING COUNTERFLOW AT 150°F AND 55°F



For larger capacities, heat exchangers may be connected in parallel with manifolds.

Special larger capacity heat exchangers are available upon special order.

WASTE WATER HEAT EXCHANGERS

HEAT RECLAIMING

The heat exchanger below is of the heat salvaging type. It may be used in certain energy saving applications where it is desired to preheat a cold liquid with a waste hot liquid.

Much of the heat used in heating water leaves the building in the form of waste warm water. This heat exchanger replaces a section of the copper drain line before it leaves the building.

It can be used to best advantage where there is more or less steady or frequent usage of hot water.

Usually a greater saving can be realized when used on commercial applications instead of domestic.

Its effectiveness will depend upon the application and installation.

The No. 5832 heat exchanger should be installed horizontally and preferably inclined slightly downward with a short upwardly inclined riser at the outlet end to insure that the heat exchanger remains full of water. More than one heat exchanger may be connected in series.

Heat exchangers are of all copper construction. The fresh water coil is tightly expanded to the outer surface of the drain section. The inlet of fresh water coil is connected to the water supply and the outlet to the water heater. Connections should be made for counterflow of liquids. Nothing projects inside of the drain line to restrict flow.

PART NO.	DRAIN LINE DIAMETER	WATER COIL	LENGTH	WEIGHT
5832	Nom. 3" Watertube (3-1/8 O.D.)	Nom. 3/4" Watertube	42"	30 lbs.

