

DESCALING HEAT EXCHANGERS

For **SHELL AND TUBE HEAT EXCHANGERS** first check the materials of construction of these units before starting. If all components including pumps and valves are steel, clean with a 1 to 2 up to 1 to 4 solution of Scale Gone 35. Use the heat source of the unit to heat the solution above 150 F and maintain venting and liquid level until clean. Use the pump in the system to circulate the cleaning solution. When the heat exchanger shell, tubes or auxiliary equipment are made of copper, brass, aluminum, monel, copper nickel or other soft alloys use a weaker 1 to 8 or 10 part mixture to start and check your progress regularly. Do not clean longer than required to obtain good heat exchange surfaces. If the exchangers are equipped with coil or U-tube bundles it may require the assistance of s tube cleaning machine.