THERMAX Features and Benefits

MORE COMPACT AND LOWER PRICE THAN TUBULAR HEAT EXCHANGERS:
♦ 1/3 the size of an equivalent tubular heat exchanger at a lower price point.
♦ Enhanced turbulence, lower pressure drops, and wetted surface areas 5 to 6 times that of equivalent tubular designs enable heat transfer rates 3 to 4 times that of equivalently-sized tubular heat exchangers.

IMPROVED RELIABILITY DUE TO ALL WELDED CONSTRUCTION:
♦ No gaskets to fail.

LOW INTERNAL VOLUME:
♦ Maximum single circuit capacity 76 fluid ounces (2.2 liters).

COMPACT MODULAR DESIGN:
♦ Offers easy installation and servicing. Manifolding is simplified for larger applications.

IMPROVED EFFICIENCY:
♦ Heat loss is low, requiring little or no insulation.

INNOVATIVE DESIGN:
♦ Cylindrical dimpled plate design wound into a self-enclosed spiral provides extremely high thermal transfer for package size. Patented fabrication.

TEMPERATURE RANGE:
♦ -60°F (-50°C) to 480°F (250°C).

PRESSURE RATING:
♦ Axial (Circuit A): 230 PSI (1586 kPa or 16 bar).
♦ Spiral (Circuit B): 360 PSI (2482 kPa or 25 bar).

CHEMICAL COMPATIBILITY:
♦ Chemistries compatible with 316L (Circuit A & B) and silicon baffles (Circuit B only).

APPLICATIONS:
♦ Industrial, process system, cogeneration, solar, anodizing, plating, electronics, commercial & industrial washers, evaporators/condensers, chillers, heat recovery, boilers (steam and water), vapor recovery, and water heaters.

SIZES:
♦ Seven sizes from 1.1 ft² (.10m²) to 15 ft² (1.4m²). Compact cylinders from 3” (70mm) x 6” (158mm) to 5” (120mm) x 20” (515mm).
Turbulent counterflow design results in very high heat transfer rates. Consult factory for sizing.