



HEAT EXCHANGERS



THERMAX ² SPIRAL PLATE HEAT EXCHANGERS						
EXCHANGE AREA Sq. ft./ (sq. m)	OVERALL LENGTH In./ (mm)	DIM. DIA. In./ (mm)	CONNECTIONS (MNPT)		MODEL NUMBER	SHIP WGT. Lbs./ (kg)
			CIRCUIT A	CIRCUIT B		
1.1 (.10)	6.25 (159)	2.75 (70)	3/4"	1/2"	IS1.1-2.75-6.25	5 (2.5)
2.5 (.23)	10.25 (260)	2.75 (70)	3/4"	1/2"	IS2.5-2.75-10.25	7 (3)
3.8 (.35)	14.25 (362)	2.75 (70)	3/4"	1/2"	IS3.8-2.75-14.25	10 (4.5)
3.8 (.35)	10.75 (273)	3.75 (95)	1"	1/2"	IS3.8-3.75-10.75	15 (7)
5.8 (.54)	15.50 (394)	3.75 (95)	1"	3/4"	IS5.8-3.75-15.5	20 (9)
7.8 (.72)	20.25 (514)	3.75 (95)	1"	3/4"	IS7.8-3.75-20.25	24 (11)
15.0 (1.40)	20.25 (514)	4.75 (121)	1-1/4"	3/4"	IS15.0-4.75-20.25	30 (13.5)

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).

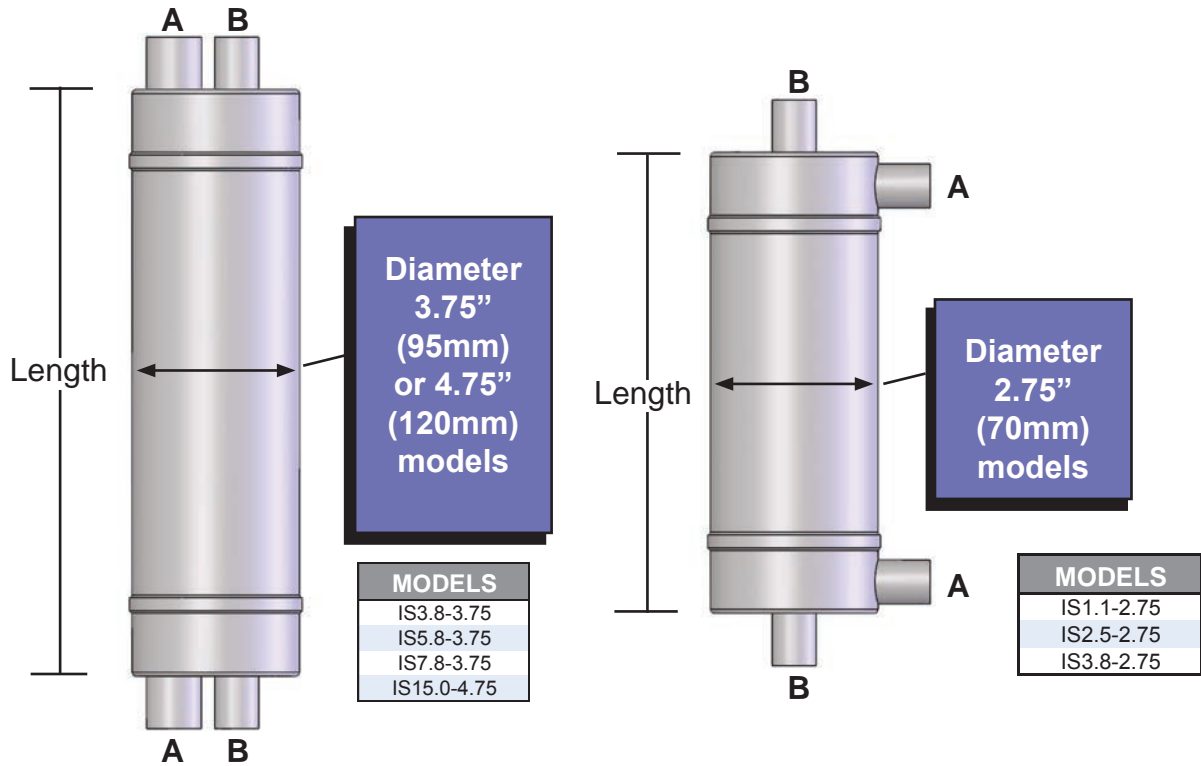
APPLICATIONS:

- ◆ 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).

DIMENSIONS



FLOW PATHS

