



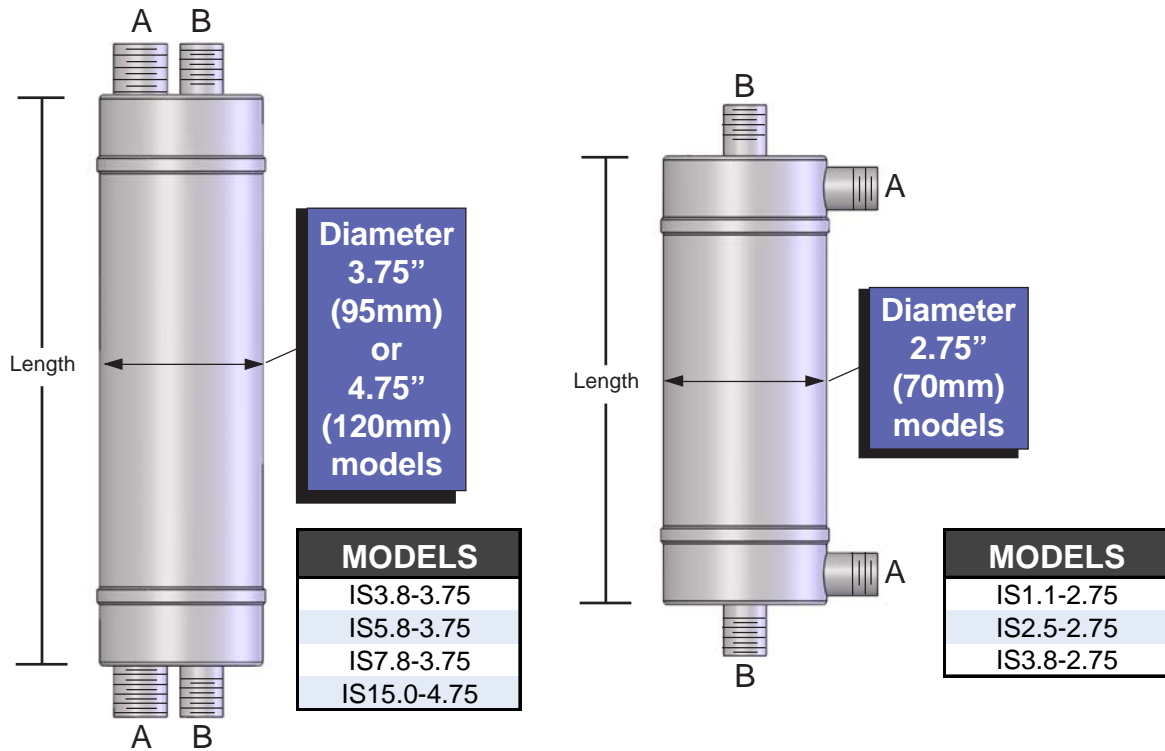
THERMAX² HEAT EXCHANGERS

| EXCHANGE AREA | OVERALL LENGTH | DIM. DIA. | CONNECTIONS (MNPT) | | MODEL NUMBER | SHIP WGT. |
|------------------|----------------|---------------|--------------------|------|-------------------|--------------|
| Sq. ft./ (sq. m) | Ln./ (mm) | Ln./ (mm) | A | B | | Lbs./ (kg) |
| 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 (261) | 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 (515) | 3.75 (95) | 1" | 3/4" | IS7.8-3.75-20.25 | 24 (11) |
| 15.0 (1.40) | 20.25 (515) | 4.75 (120) | 1-1/4" | 3/4" | IS15.0-4.75-20.25 | 30 (13.5) |

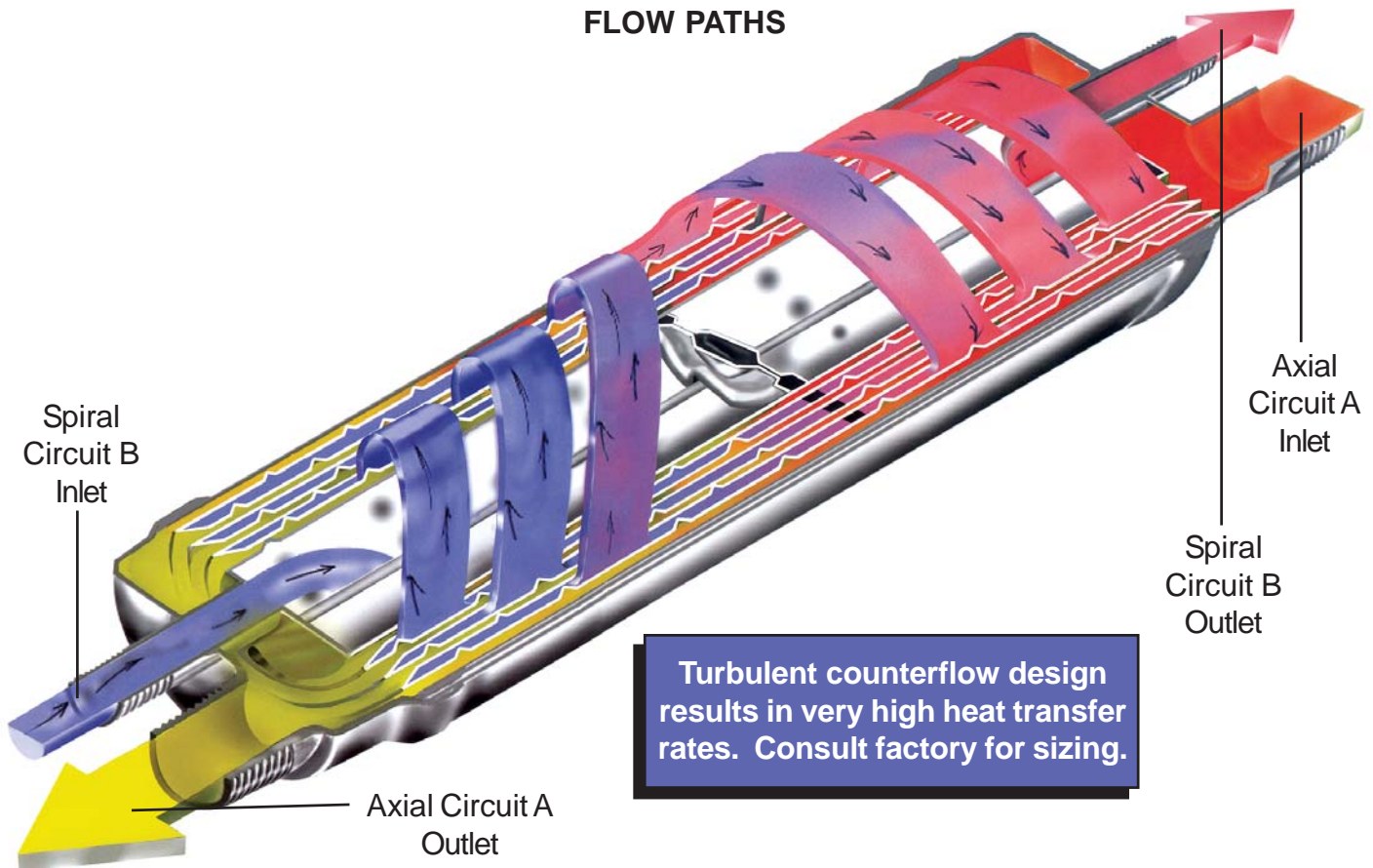
Product Features and Benefits:

- ◆ **HIGH OVERALL HEAT TRANSFER:** Enhanced turbulence with low pressure drops. Wetted surface area 5 to 6 times that of equivalent tubular designs. Heat transfer rates 3 to 4 times that of tubular heat exchangers.
- ◆ **INNOVATIVE DESIGN:** Cylindrical dimpled plate design wound into a self-enclosed spiral provides extremely high thermal transfer for package size. Patented fabrication process ensures consistent, high quality production.
- ◆ **ALL WELDED CONSTRUCTION:** No gaskets to fail. TIG welding is used on the sheet edge (which separates Circuit A from Circuit B).
- ◆ **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. Heat loss is low, requiring little or no insulation.
- ◆ **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 and silicon baffles (B circuit only).
- ◆ **MAXIMIZED HEAT TRANSFER SURFACE:** Dimpled sheet provides sheet spacing localized turbulence. Results in very high heat transfer rates.
- ◆ **APPLICATIONS:** Industrial, process system, cogeneration, solar, 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 (.10 m²) to 15 ft² (1.4 m²). Compact cylinders from 3" (70mm) x 6" (158mm) to 5" (120mm) x 20" (515mm).

DIMENSIONS



FLOW PATHS



**PROCESS
TECHNOLOGY**