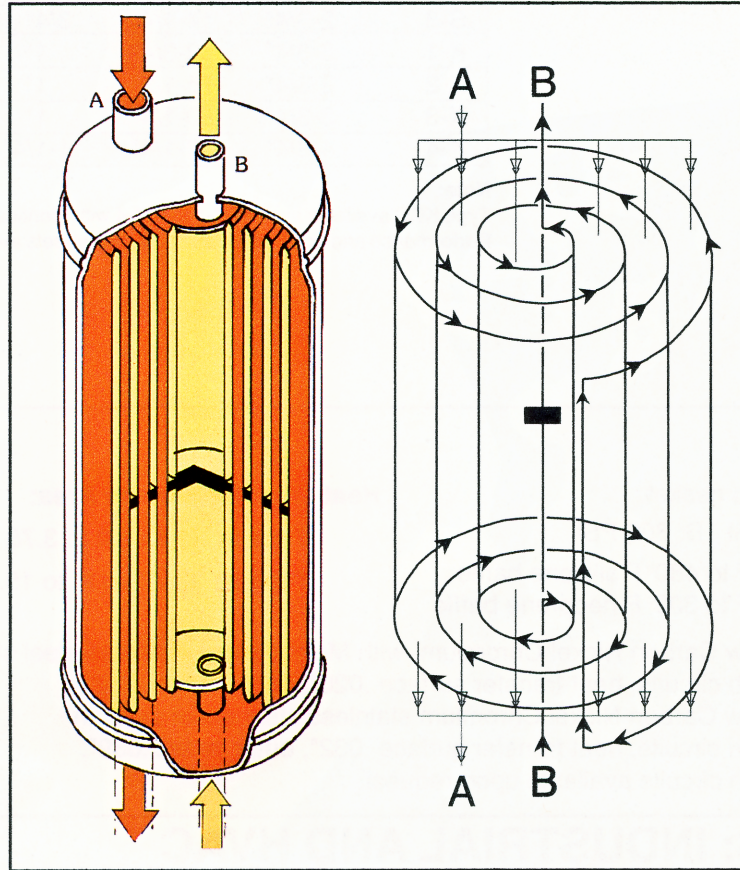# SPIREC

Spiral Plate Heat Exchangers

Cylindrical all welded construction

NO GASKETS

HIGH HEAT TRANSFER

Large Wetted Perimeter

Low Internal Volume

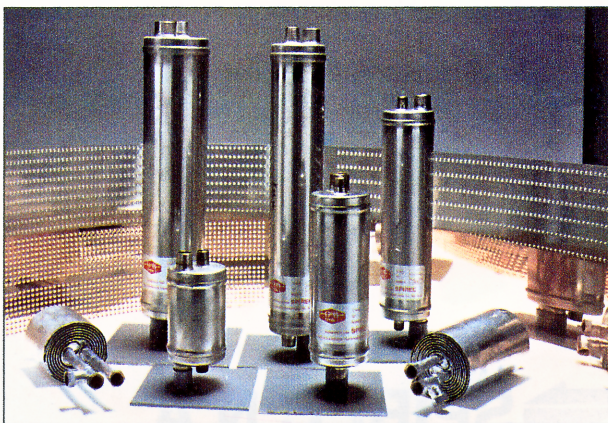**COMPACT**
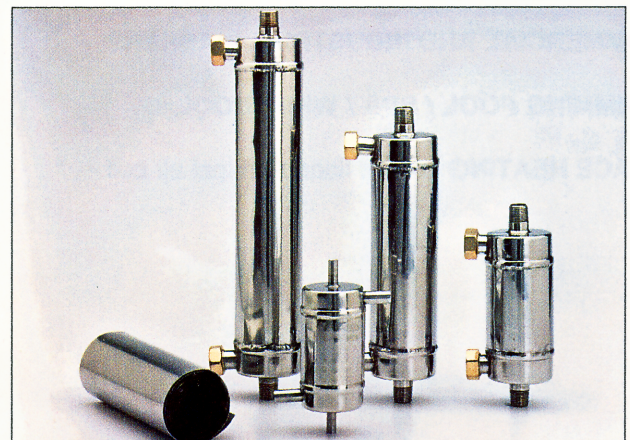
Innovative Design

Low Heat Loss

Low Noise

MODULAR DESIGN

Light Weight

A B

A B

A B

FLUID PATH: Axial Circ. A

Spiral Circ. B ➤

Type K

Type S

DIMENSIONS
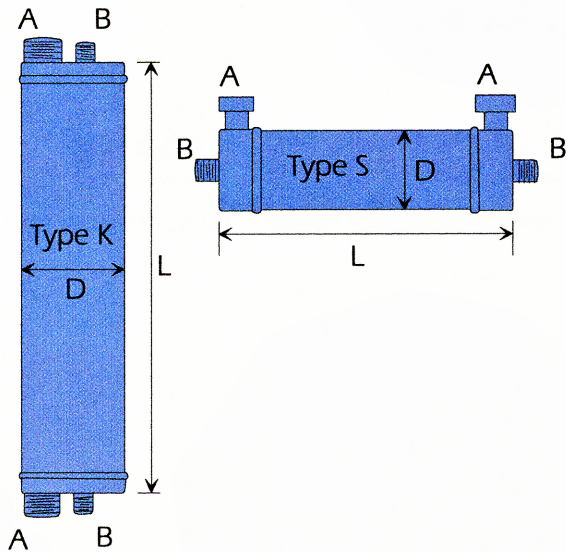
Model	Overall Dim.		Connections		Weight	
	Diameter D Inches	Length L Inches	Circuit A Inches	Circuit B Inches	Dry Lbs.	Water Filled Lbs.
S-1	2-3/4"	6-1/4"	3/4"	1/2"	2.4	3.3
S-2	2-3/4"	10-1/4"	3/4"	1/2"	4.0	5.5
S-3	2-3/4"	14-1/4"	3/4"	1/2"	5.7	7.7
K-1	3-3/4"	10-3/4"	1"	1/2"	10.0	13.1
K-2	3-3/4"	15-1/2"	1"	3/4"	14.5	18.9
K-3	3-3/4"	20-1/4"	1"	3/4"	19.0	24.7
K-4	4-3/4"	20-1/4"	1-1/4"	3/4"	31.0	39.2

Note:
Type KCC available in sizes K-1 thru K-4 with identical dimensions.
Performance and application technical data sheets available upon request.

DESCRIPTION:

Construction: All welded , no gasket.

Design Pressure: A: 230 PSI B: 360 PSI

Design Temperature: -60° F to 480° F silicone baffle
-50° F to 300° F neoprene baffle

Heat Transfer Surface Area:

Type S: (1.1 sq.ft to 3.78 sq.ft.)

Type K: (3.78 sq.ft. to 15.06 sq.ft.)

Type S: A.I.S.I. Low Carbon Nickel Chromium, with Molybdenum stainless steel sheet stock in 316L both circuits, heat transfer surface .020", outer jacket .032".

Type K: A.I.S.I. Low Carbon Nickel Chromium stainless steel sheet stock in 304L both circuits, heat transfer surface .032", outer jacket .039".
316L both circuits available upon request.

APPLICATIONS: INDUSTRIAL AND HVAC

CONNECTED TO boilers (steam & water), water heaters, cogeneration, solar, district heating, heat pumps, chillers.

HEATING AND/OR COOLING domestic and service water, DI water.

COMMERCIAL AND INDUSTRIAL WASHERS

SWIMMING POOL / SPA / WHIRLPOOL

SPACE HEATING radiant floor, terminal air coil

EVAPORATORS AND CONDENSERS in chiller systems

LASERS AND ELECTRONICS

HEAT RECOVERY pumped and gravity drain in industrial washers, photographic and process systems

VAPOR RECOVERY batch and closed loop solvent systems