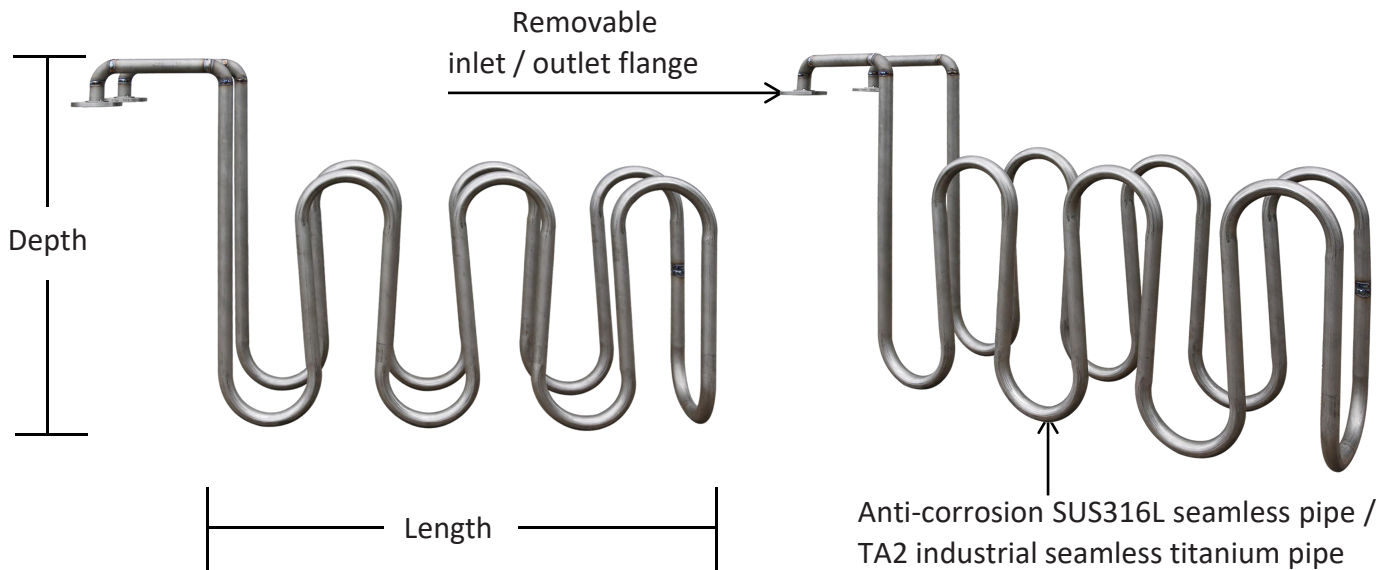


HEAT EXCHANGERS

Can be used for: cooling and heating can be directly through the refrigerant produced well, no leakage welding.



SP SERIES, SERPENTINE COILS							
EXCHANGE AREA (Sq. Ft.)	LENGTH In./(mm)	DEPTH In./(mm)	NO. OF PASSES	STEEL	316 SS	TITANIUM	SHIP WGT. Lbs./(kg)
2.6	24 (610)	36 (914)	4	SP4-24P-R*	SP4-24S-R*	SP4-24T-R*	10 (4.5)
3.6	36 (914)	36 (914)	4	SP4-36P-R*	SP4-36S-R*	SP4-36T-R*	12 (5.4)
4.6	48 (1219)	36 (914)	4	SP4-48P-R*	SP4-48S-R*	SP4-48T-R*	14 (6.4)
5.7	60 (1524)	36 (914)	4	SP4-60P-R*	SP4-60S-R*	SP4-60T-R*	16 (7.3)
7.3	78 (1981)	36 (914)	4	SP4-78P-R*	SP4-78S-R*	SP4-78T-R*	20 (9.1)
8.8	96 (2438)	36 (914)	4	SP4-96P-R*	SP4-96S-R*	SP4-96T-R*	24 (10.9)
3.5	20 (508)	48 (1219)	6	SP6-20P-R*	SP6-20S-R*	SP6-20T-R*	12 (5.4)
4.8	30 (762)	48 (1219)	6	SP6-30P-R*	SP6-30S-R*	SP6-30T-R*	14 (6.4)
6.1	40 (1016)	48 (1219)	6	SP6-40P-R*	SP6-40S-R*	SP6-40T-R*	17 (7.7)
7.4	50 (1270)	48 (1219)	6	SP6-50P-R*	SP6-50S-R*	SP6-50T-R*	20 (9.1)
8.7	60 (1524)	48 (1219)	6	SP6-60P-R*	SP6-60S-R*	SP6-60T-R*	24 (10.9)
10	70 (1778)	48 (1219)	6	SP6-70P-R*	SP6-70S-R*	SP6-70T-R*	27 (12.2)

1/2", 5/8", and 3/4" tubing also available, consult factory.

SP Series Coils Features and Benefits

SUPERIOR CHEMICAL RESISTANCE:

- Wide variety of materials available for use in heating or cooling applications for alkaline or acid solutions and rinse tanks. Check solution guide or consult with your chemical supplier for proper sheath material.

SIZES:

- 2.6 square ft. to 10 square ft. of exchange area standard for 4-pass and 6-pass designs.

RUGGED CONSTRUCTION:

- Heavy wall, 18 gauge metal tubing available in steel, stainless steel and titanium.
- 1" diameter tubing and 1" MNPT connection fittings standard.

OUTSTANDING PERFORMANCE:

- Low profile design for installation in tanks with limited space. (except zirconium material)
- Offers low cost for heating surface area.
- Every inch of coil surface is active exchange area.

LEAK-FREE OPERATION:

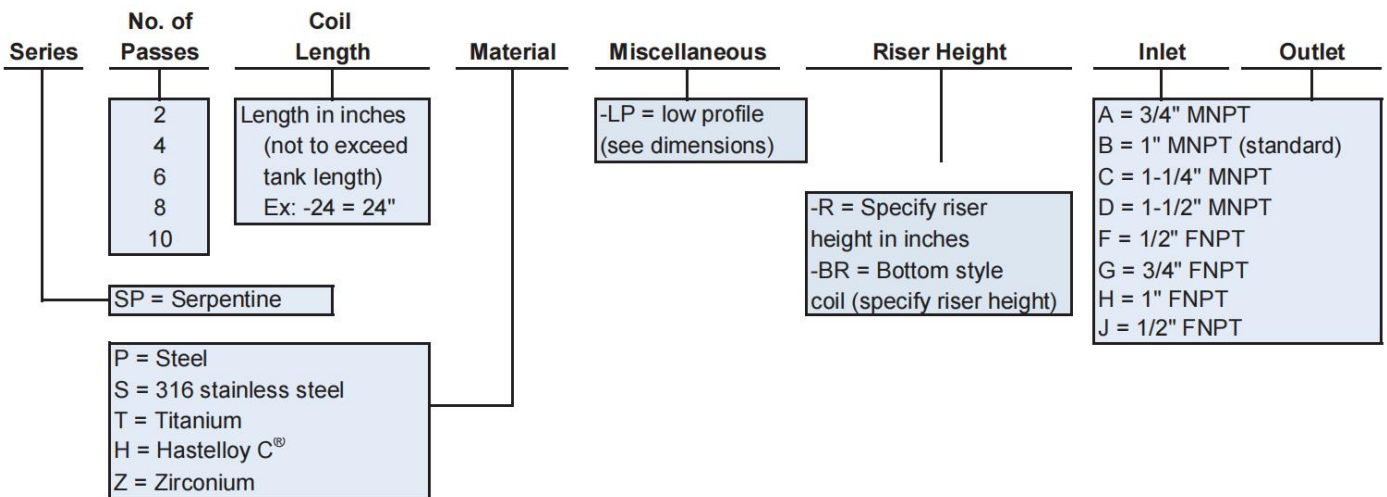
- Single point connections reduce the potential for leaks and simplify installation.

RUGGED CONSTRUCTION:

- Mounting hangers.
- Special sizes in 2, 8 or 10-pass configurations.
- Heavier gauge tubing.
- Other riser lengths and configurations.
- Zirconium, Hastelloy C®, and other alloys available.
- Fluoropolymer coatings for protection at solution/ atmospheric interface.
- Non-conductive isolator couplings.
- High pressure ratings available (consult factory).



No. of Passes	Pass Depth Standard	Pass Depth Low Profile
2	8.5" (216 mm)	8.5" (216 mm)
4	23.5" (597 mm)	17" (432 mm)
6	38.5" (978 mm)	25.5" (648 mm)
8	53.5" (1359 mm)	34" (864 mm)
10	68.5" (1740 mm)	42.5" (1080 mm)



ORDERING EXAMPLE:

SP4-48T-LP-R22-BB

Serpentine coil, 4 passes, 48" length, titanium, low profile configuration, 22" risers, 1" inlet, 1" outlet.