

Low profile version pictured.

| SP SERIES, SERPENTINE COILS | | | | | | | |
|-----------------------------|-----------|-----------|---------------|---------|---------|----------|-----------|
| EXCHANGE AREA | LENGTH | DEPTH | NO. OF PASSES | STEEL | 316 SS | TITANIUM | SHIP WGT. |
| Sq. Ft. | In./(mm) | In./(mm) | | | | | Lbs./(kg) |
| 2.75 | 24 (610) | 36 (915) | 4 | SP4-24P | SP4-24S | SP4-24T | 10 (4.5) |
| 3.75 | 36 (915) | 36 (915) | 4 | SP4-36P | SP4-36S | SP4-36T | 12 (5.5) |
| 4.75 | 48 (1220) | 36 (915) | 4 | SP4-48P | SP4-48S | SP4-48T | 14 (6.5) |
| 5.75 | 60 (1525) | 36 (915) | 4 | SP4-60P | SP4-60S | SP4-60T | 16 (7.5) |
| 7.25 | 78 (1980) | 36 (915) | 4 | SP4-78P | SP4-78S | SP4-78T | 20 (9) |
| 8.75 | 96 (2440) | 36 (915) | 4 | SP4-96P | SP4-96S | SP4-96T | 24 (11) |
| 3.75 | 20 (510) | 48 (1220) | 6 | SP6-20P | SP6-20S | SP6-20T | 12 (5.5) |
| 5.00 | 30 (760) | 48 (1220) | 6 | SP6-30P | SP6-30S | SP6-30T | 14 (6.5) |
| 6.25 | 40 (1015) | 48 (1220) | 6 | SP6-40P | SP6-40S | SP6-40T | 17 (8) |
| 7.50 | 50 (1270) | 48 (1220) | 6 | SP6-50P | SP6-50S | SP6-50T | 20 (9) |
| 8.75 | 60 (1525) | 48 (1220) | 6 | SP6-60P | SP6-60S | SP6-60T | 24 (11) |
| 10.00 | 70 (1780) | 48 (1220) | 6 | SP6-70P | SP6-70S | SP6-70T | 27 (12.5) |

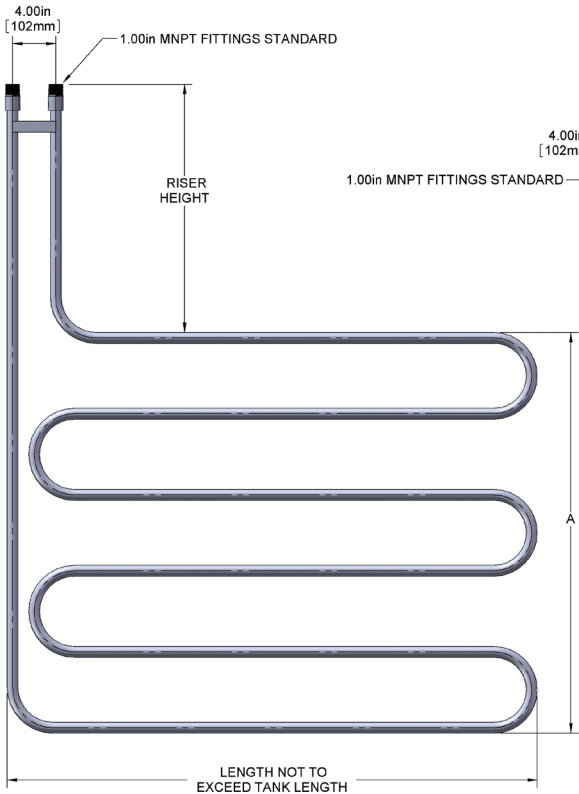
1/2", 5/8", 3/4", and 1-1/4" tubing available, consult factory.

Product Features and Benefits:

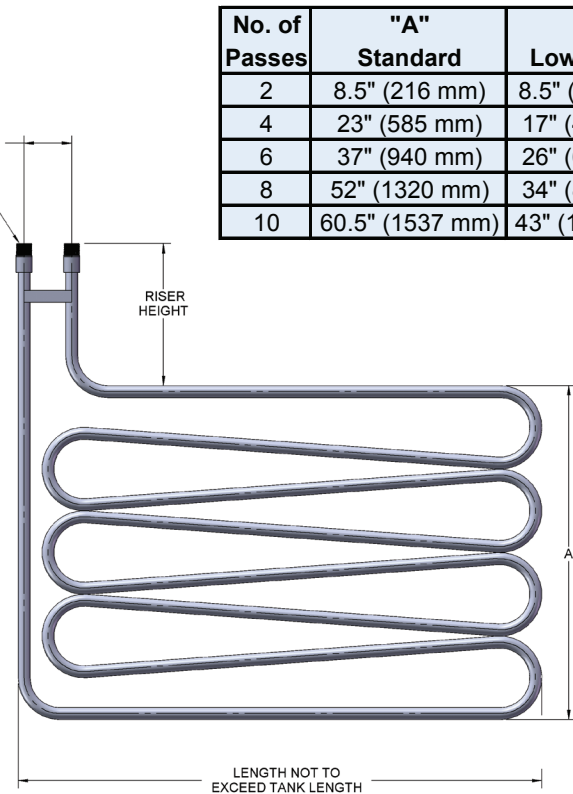
- ◆ **SUPERIOR CHEMICAL RESISTANCE:** Wide variety of materials available for use in heating or cooling applications for alkaline solutions, acid solutions, and rinse tanks. Check solution guide or consult with your chemical supplier for proper sheath material.
- ◆ **RUGGED CONSTRUCTION:**
 - Heavy wall, 18-gauge metal tubing available in steel, 316 stainless steel and titanium.
 - 1" diameter tubing.
 - 1" MNPT fittings standard.
- ◆ **OUTSTANDING PERFORMANCE:**
 - Low profile design for installation in tanks with limited space.
 - 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. One-inch MNPT connections standard.
- ◆ **SIZES:** 2.75 square ft. to 10 square ft. of exchange area standard for 4-pass and 6-pass designs.
- ◆ **OPTIONS AVAILABLE (consult factory):**
 - Mounting hangers.
 - Special sizes in 2, 8 or 10-pass configurations.
 - Heavier gauge tubing.
 - Other riser lengths and configurations.
 - Zirconium, Hastelloy C[®], low carbon stainless, and other alloys available.
 - Fluoropolymer coatings for corrosion protection at solution/atmospheric interface.
 - Non-conductive isolator couplings.
 - L-shaped configurations for bottom heat applications.
 - High pressure ratings available (consult factory).

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DIMENSIONS



SP6 TYPE



SP8-LP TYPE

| No. of Passes | "A" Standard | "A" Low Profile |
|---------------|-----------------|-----------------|
| 2 | 8.5" (216 mm) | 8.5" (216 mm) |
| 4 | 23" (585 mm) | 17" (432 mm) |
| 6 | 37" (940 mm) | 26" (660 mm) |
| 8 | 52" (1320 mm) | 34" (864 mm) |
| 10 | 60.5" (1537 mm) | 43" (1092 mm) |

METAL SERPENTINE COIL ORDERING INFORMATION

| Series | No. of Passes | Coil Length | Material | Inlet/Outlet | Riser Height & Misc. |
|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 2 4 6 8 10 | Length in inches (not to exceed tank length) Ex: -24 = 24" | | A = 3/4" MNPT B = 1" MNPT (standard) C = 1-1/4" MNPT D = 1-1/2" MNPT F = 1/2" FNPT G = 3/4" FNPT H = 1" FNPT J = 1/2" FNPT | |
| | SP = Serpentine | | | | |
| | P = Steel S = 316 stainless steel T = Titanium H = Hastelloy C® Z = Zirconium | | | | no designator = 11" riser standard on SP6, 13" riser standard on SP4 -R = custom riser height (specify height) Ex: -R30 = 30" riser height -BR = bottom style coil (specify riser height) -LP = low profile (see dimensional drawing) |
| | 1 inch = 25.4mm | | | | |

ORDERING EXAMPLE:

SP4-48T-BB-LP-R22

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

**PROCESS
TECHNOLOGY**