

Immersion Coils

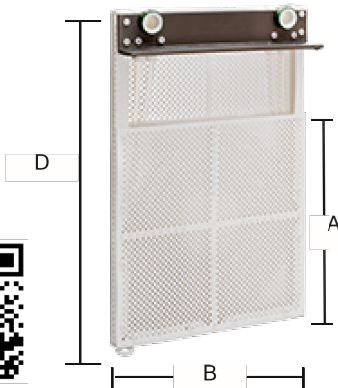
Fluoropolymer Immersion Coils and Inline Exchangers

All fluoropolymer wetted parts provide excellent chemical compatibility

Immersion Coil Benefits

- Excellent chemical compatibility and rugged design for your heating or cooling applications
- All of our immersion coils can be customized to fit your tank

Immersion Coils



For complete information on the X Series, Fluoropolymer Immersion Coils, click on the link or scan the QR code. <https://www.processtechnology.com/FEPexchanger.html>

X SERIES, FLUOROPOLYMER HEATING AND COOLING COILS

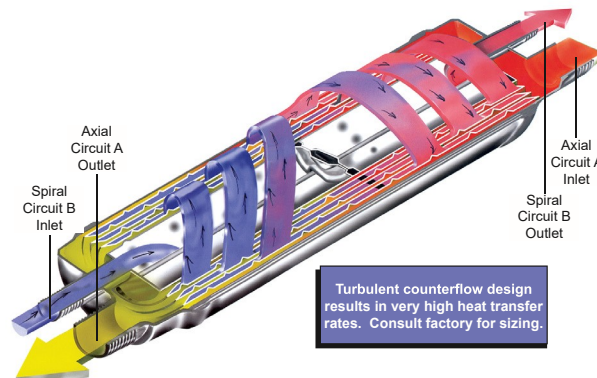
EXCHANGE AREA Sq. Ft.	CONNECTIONS In.	DIMENSIONS					MODEL NUMBER	SHIP WT. Lbs./ (kg)
		A In./ (mm)	B In./ (mm)	C In./ (mm)	D In./ (mm)	E In./ (mm)		
2.25*	1/2" FNPT	11½ (292)	11½ (292)	1½ (38)	17½ (445)	9 (229)	X1-12-12-18-F	10 (4.5)
4.50	1/2" FNPT	11½ (292)	11½ (292)	2 (51)	17½ (445)	8 (203)	X2-12-12-18-F	11 (5)
4.50	1/2" FNPT	15½ (394)	15½ (394)	1½ (38)	21½ (546)	12 (305)	X2-16-16-22-F	13 (6)
9.25*	1/2" FNPT	15½ (394)	15½ (394)	2 (51)	21½ (546)	12 (305)	X4-16-16-22-F	14 (6.5)
6.00	1" FNPT	17½ (445)	17½ (445)	2 (51)	23½ (597)	12½ (318)	X2-18-18-24-F-LP	18 (8)
12.00	1" FNPT	17½ (445)	17½ (445)	3¼ (82.5)	23½ (597)	12½ (318)	X4-18-18-24-F-LP	22 (10)
18.00	1½ FNPT	17½ (445)	17½ (445)	4¼ (114)	23½ (597)	12½ (318)	X6-18-18-24-F-LP	26 (12)
24.00	1½ FNPT	17½ (445)	17½ (445)	5¼ (146)	23½ (597)	12½ (318)	X8-18-18-24-F-LP	30 (13.5)
11.50	1" FNPT	23½ (597)	23½ (597)	2 (51)	29½ (750)	18½ (470)	X2-24-24-30-F-LP	24 (11)
23.00	1" FNPT	23½ (597)	23½ (597)	3¼ (82.5)	29½ (750)	18½ (470)	X4-24-24-30-F-LP	30 (13.5)
34.50	1½ FNPT	23½ (597)	23½ (597)	4¼ (114)	29½ (750)	18½ (470)	X6-24-24-30-F-LP	36 (16.5)
46.50	1½ FNPT	23½ (597)	23½ (597)	5¼ (146)	29½ (750)	18½ (470)	X8-24-24-30-F-LP	42 (19)

THERMAX² SPIRAL PLATE HEAT EXCHANGERS

EXCHANGE AREA Sq. ft./ (sq. m)	OVERALL LENGTH In./ (mm)	DIM. DIA. In./ (mm)	CONNECTIONS (MNPT)		MODEL NUMBER	SHIP WT. Lbs./ (kg)
			A	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)



For complete information on the Thermax Series, Inline Exchangers, click on the link or scan the QR code. <https://www.processtechnology.com/Thermax.html>



Turbulent counterflow design results in very high heat transfer rates. Consult factory for sizing.

Immersion Coils

Grid Immersion Coils

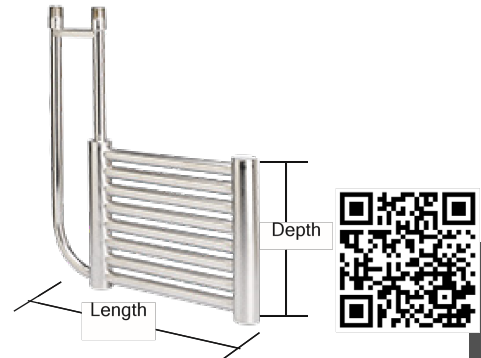
Designed for the high demands of corrosive chemical heating or cooling

G SERIES, GRID COILS

12" WIDTH (8 TUBES)					18" WIDTH (12 TUBES)				
VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)	VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)
4.5	3.8	24 (610)	*8G-24	12 (5.4)	6.8	5.6	24 (610)	*12G-24	15 (6.8)
5.6	4.8	30 (762)	*8G-30	14 (6.4)	8.4	7.2	30 (762)	*12G-30	18 (8.2)
6.6	5.8	36 (914)	*8G-36	16 (7.3)	9.9	8.8	36 (914)	*12G-36	21 (9.5)
8.7	7.9	48 (1219)	*8G-48	18 (8.2)	13.1	11.9	48 (1219)	*12G-48	26 (11.8)
10.8	10.0	60 (1524)	*8G-60	23 (10.4)	16.2	15.1	60 (1524)	*12G-60	32 (14.5)
12.9	12.1	72 (1829)	*8G-72	28 (12.7)	19.4	18.2	72 (1829)	*12G-72	37 (16.8)
15.0	14.2	84 (2134)	*8G-84	31 (14.1)	22.5	21.3	84 (2134)	*12G-84	42 (19.1)
17.1	16.3	96 (2438)	*8G-96	34 (15.4)	25.7	24.5	96 (2438)	*12G-96	47 (21.3)
19.2	18.4	108 (2743)	*8G-108	38 (17.2)	28.8	27.6	108 (2743)	*12G-108	53 (24)
21.3	20.5	120 (3048)	*8G-120	41 (18.6)	31.9	30.8	120 (3048)	*12G-120	58 (26.3)
23.4	22.6	132 (3353)	*8G-132	46 (20.9)	35.1	33.9	132 (3353)	*12G-132	64 (29)
25.5	24.7	144 (3658)	*8G-144	49 (22.2)	38.2	37.0	144 (3658)	*12G-144	69 (31.3)

24" WIDTH (16 TUBES)					30" WIDTH (20 TUBES)				
VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)	VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)
9.1	7.5	24 (610)	*16G-24	19 (8.6)	11.3	9.4	24 (610)	*20G-24	22 (10)
11.2	9.6	30 (762)	*16G-30	23 (10.4)	14.0	12.0	30 (762)	*20G-30	28 (12.7)
13.3	11.7	36 (914)	*16G-36	28 (12.7)	16.6	14.6	36 (914)	*20G-36	33 (15)
17.5	15.9	48 (1219)	*16G-48	33 (15)	21.8	19.9	48 (1219)	*20G-48	40 (18.1)
21.6	20.1	60 (1524)	*16G-60	40 (18.1)	27.1	25.1	60 (1524)	*20G-60	48 (21.8)
25.8	24.3	72 (1829)	*16G-72	47 (21.3)	32.3	30.3	72 (1829)	*20G-72	58 (26.3)
30.0	28.4	84 (2134)	*16G-84	54 (24.5)	37.5	35.6	84 (2134)	*20G-84	68 (30.8)
34.2	32.6	96 (2438)	*16G-96	61 (27.7)	42.8	40.8	96 (2438)	*20G-96	75 (34)
38.4	36.8	108 (2743)	*16G-108	69 (31.3)	48.0	46.0	108 (2743)	*20G-108	83 (37.7)
42.6	41.0	120 (3048)	*16G-120	76 (34.5)	53.2	51.3	120 (3048)	*20G-120	92 (41.7)
46.8	45.2	132 (3353)	*16G-132	82 (37.2)	58.5	56.5	132 (3353)	*20G-132	100 (45.4)
51.0	49.4	144 (3658)	*16G-144	88 (39.9)	63.7	61.7	144 (3658)	*20G-144	109 (49.4)

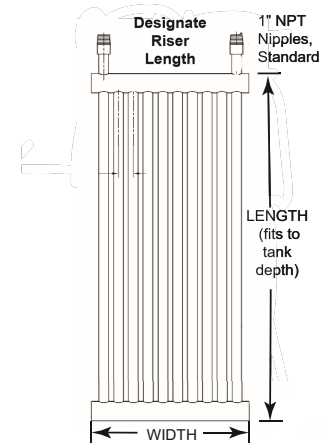
36" WIDTH (24 TUBES)					42" WIDTH (28 TUBES)				
VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)	VERTICAL SQUARE FEET	HORIZONTAL SQUARE FEET	LENGTH In./ (mm)	MODEL NUMBER	SHIP Lbs./ (kg)
13.6	11.3	24 (610)	*24G-24	28 (12.7)	15.8	28	24 (610)	*28G-24	32 (14.5)
16.8	14.4	30 (762)	*24G-30	31 (14.1)	19.5	28	30 (762)	*28G-30	38 (17.2)
19.9	17.5	36 (914)	*24G-36	38 (17.2)	23.2	28	36 (914)	*28G-36	45 (20.4)
26.2	23.8	48 (1219)	*24G-48	48 (21.8)	30.6	28	48 (1219)	*28G-48	56 (25.4)
32.5	30.1	60 (1524)	*24G-60	57 (25.9)	38	28	60 (1524)	*28G-60	68 (30.8)
38.7	36.4	72 (1829)	*24G-72	68 (30.8)	45.4	28	72 (1829)	*28G-72	80 (36.3)
45	42.7	84 (2134)	*24G-84	79 (35.8)	52.8	28	84 (2134)	*28G-84	92 (41.7)
51.3	49	96 (2438)	*24G-96	89 (40.4)	60.2	28	96 (2438)	*28G-96	103 (46.7)
57.6	55.2	108 (2743)	*24G-108	99 (44.9)	67.6	28	108 (2743)	*28G-108	115 (52.2)
63.9	61.5	120 (3048)	*24G-120	109 (49.4)	75	28	120 (3048)	*28G-120	126 (57.2)
70.2	67.8	132 (3353)	*24G-132	119 (54)	82.4	28	132 (3353)	*28G-132	140 (63.5)
76.4	74.1	144 (3658)	*24G-144	129 (58.5)	89.8	28	144 (3658)	*28G-144	150 (68)



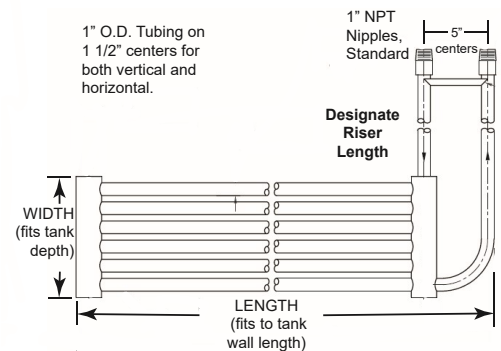
For complete information on the Grid Series, Immersion Coils, click on the link or scan the QR code. <https://www.processtechnology.com/GRID.html>

Immersion Coils

VERTICAL STYLE



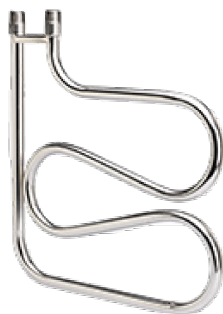
HORIZONTAL STYLE



Immersion Coils

Serpentine and U Shaped Immersion Coils

Provided in materials compatible with your process solutions



For complete information on the Serpentine Series, Immersion Coils, click on the link or scan the QR code. <https://www.processtechnology.com/Serpentine.html>

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)

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)

UC SERIES, U COILS

EXCHANGE AREA (Sq. Ft.)	DEPTH In./mm	WIDTH In./mm	STEEL	316 SS	TITANIUM	SHIP WGT. Lbs./kg
.75	18 (460)	12 (305)	UC18P	UC18S	UC18T	3 (1.5)
1.00	24 (610)	12 (305)	UC24P	UC24S	UC24T	4 (2)
1.25	30 (760)	12 (305)	UC30P	UC30S	UC30T	5 (2.5)
1.50	36 (915)	12 (305)	UC36P	UC36S	UC36T	6 (3)
1.75	42 (1065)	12 (305)	UC42P	UC42S	UC42T	7 (3)
2.00	48 (1220)	12 (305)	UC48P	UC48S	UC48T	8 (3.5)
2.25	54 (1370)	12 (305)	UC54P	UC54S	UC54T	9 (4)
2.50	60 (1525)	12 (305)	UC60P	UC60S	UC60T	10 (4.5)



For complete information on the U Series, Immersion Coils, click on the link or scan the QR code. <https://www.processtechnology.com/UCoil.html>

Metal Helical Immersion Coils

- Custom designed to your specifications
- 3/8" diameter through 1 1/4" diameter tubing (.035 - .065 wall)
- Coil ODs as small as 3 1/4" and as large as 10' diameter (dependent upon tube diameter and wall thickness)
- Materials: Steel, 304 and 316 stainless steel and titanium. Other grades and materials available upon request
- Single and multiple layer coils



For complete information on the Helical Series, Immersion Coils, click on the link or scan the QR code. <https://www.processtechnology.com/Helical.html>