

Brief Description

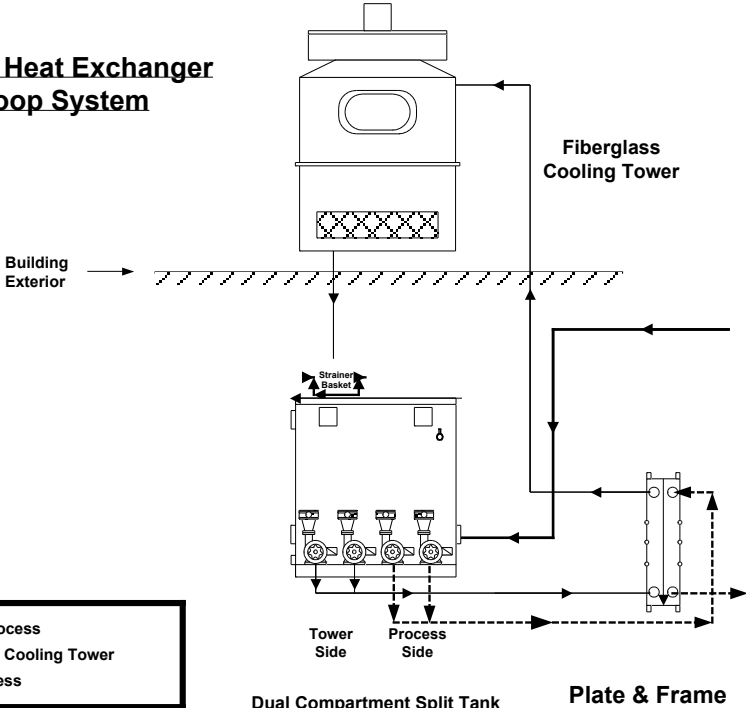
Application

Plate and frame heat exchangers consist of a series of high efficiency gasketed embossed plates, arranged alternately and bolted together between end frames, separating cold fluid from hot fluid.

All plate and frame heat exchangers come standard with:

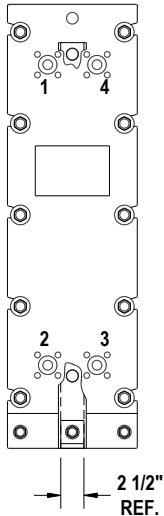
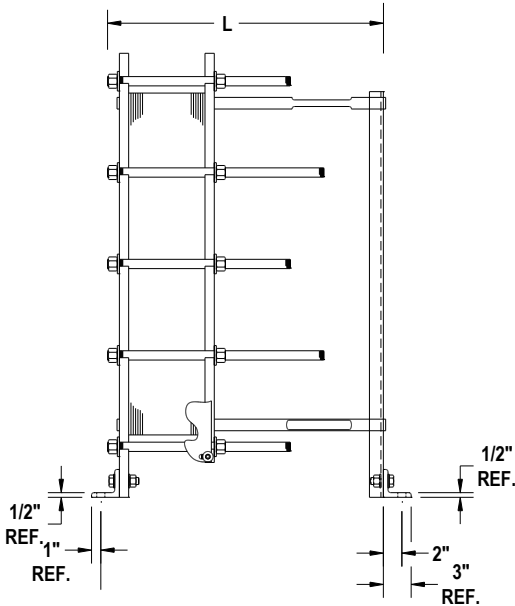
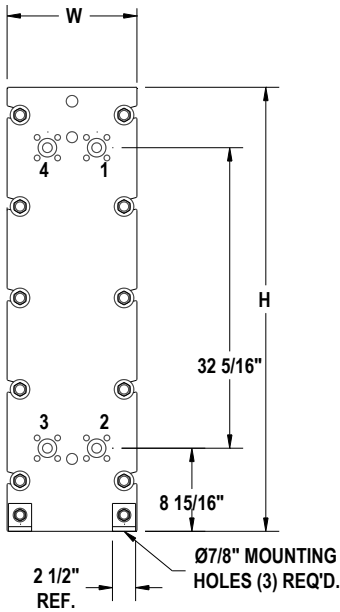
- High efficiency removable and fully cleanable 304 stainless steel gasketed plates
- Heavy-duty epoxy coated frame
- Low pressure drop plate design
- Upright, compact, and a small footprint
- Self-cleaning turbulent flow velocity profile design

**Plate & Frame Heat Exchanger
Closed Loop System**



Dual Compartment Split Tank

Plate & Frame Heat Exchanger
Side View



Specifications

✓ denotes availability

3F Approach • Process side 98°F to 88°F (37°C to 31°C), tower side 85°F to 95°F (29°C to 35°C)

Note: Consult factory for other conditions. Flow rate in gpm (*lpm*) for hot and cold side fluids = tons (Kcal/hr) x 3

Model no.	Tower capacity		Shroud option availability	Connecti on size Inches Ø	Plate quantity		Dimensions						Weight	
	tons	Kcal/hr			supplied	maximum	inches			cm			lbs.	Kg
							L	W	H	L	W	H		
PF-010-3	10	37,800	✓	2	21	43	29	14	48	74	36	122	516	233
PF-015-3	15	56,700	✓	2	31	43	29	14	48	74	36	122	538	245
PF-020-3	20	75,600	✓	2	39	43	32	14	48	81	36	122	555	252
PF-025-3	25	94,500	✓	2	49	65	39	14	48	99	36	122	604	275
PF-030-3	30	113,400	✓	2	59	65	39	14	48	99	36	122	626	285
PF-040-3	40	151,200	✓	2	77	110	50	14	48	127	36	122	672	306
PF-050-3	50	189,000	✓	2	97	110	50	14	48	127	36	122	716	326
PF-060-3	60	226,800	✓	4	54	97	44	22	62	112	56	157	1,526	693
PF-075-3	75	283,500	✓	4	67	97	44	22	62	112	56	157	1,589	722
PF-100-3	100	378,000	✓	4	89	97	44	22	62	112	56	157	1,695	769
PF-125-3	125	472,500	✓	6	60	109	58	30	85	147	76	216	3,718	1,688
PF-150-3	150	567,000	✓	6	71	109	58	30	85	147	76	216	3,824	1,737
PF-175-3	175	661,500	✓	6	82	109	58	30	85	147	76	216	3,929	1,784
PF-200-3	200	756,000	✓	6	93	109	58	30	85	147	76	216	4,035	1,832
PF-250-3	250	945,000	✓	6	137	155	64	25	72	163	64	183	2,764	1,255
PF-300-3	300	1,134,000	✓	6	163	251	88	25	72	224	64	183	2,997	1,361
PF-400-3	400	1,512,000	✓	6	221	251	88	25	72	224	64	183	3,323	1,509
PF-500-3	500	1,890,000	✓	6	281	346	112	25	72	284	64	183	4,157	1,888
PF-600-3	600	2,268,000	✓	8	201	219	93	35	92	236	89	234	6,638	3,014

① To convert to mm, multiply by 25.4. Customer is responsible to convert to metric.

5F Approach • Process side 100°F to 90°F (38°C to 32°C), tower side 85°F to 95°F (29°C to 35°C)

Note: Consult factory for other conditions. Flow rate in gpm (*lpm*) for hot and cold side fluids = tons (Kcal/hr) x 3

Model no.	Tower capacity		Shroud option availability	Connecti on size Inches Ø	Plate quantity		Dimensions						Weight	
	tons	Kcal/hr			supplied	maximum	inches			cm			lbs.	Kg
							L	W	H	L	W	H		
PF-010-5	10	37,800	✓	2	15	49	29	14	39	74	36	99	415	189
PF-015-5	15	56,700	✓	2	21	49	29	14	39	74	36	99	425	193
PF-020-5	20	75,600	✓	2	49	49	29	14	39	74	36	99	425	193
PF-025-5	25	94,500	✓	2	49	49	29	14	39	74	36	99	449	204
PF-030-5	30	113,400	✓	2	41	49	29	14	39	74	36	99	459	209
PF-040-5	40	151,200	✓	2	53	71	36	14	39	91	36	99	501	228
PF-050-5	50	189,000	✓	2	67	71	36	14	39	91	36	99	524	238
PF-060-5	60	226,800	✓	4	55	65	36	14	48	91	36	122	617	281
PF-075-5	75	283,500	✓	4	43	49	31	21	54	79	53	137	1,135	516
PF-100-5	100	378,000	✓	4	57	62	39	21	54	99	53	137	1,216	553
PF-125-5	125	472,500	✓	6	67	97	44	22	62	112	56	157	1,589	722
PF-150-5	150	567,000	✓	6	87	154	63	21	54	160	53	137	1,383	628
PF-175-5	175	661,500	✓	6	95	145	44	22	62	112	56	157	1,724	783
PF-200-5	200	756,000	✓	6	119	154	63	21	54	160	53	137	1,478	672
PF-250-5	250	945,000	✓	6	149	175	63	21	54	160	53	137	1,567	712
PF-300-5	300	1,134,000	✓	6	89	155	64	25	72	163	64	183	2,494	1,133
PF-400-5	400	1,512,000	✓	6	123	155	64	25	72	163	64	183	2,685	1,219
PF-500-5	500	1,890,000	✓	6	163	251	88	25	72	224	64	183	2,997	1,361
PF-600-5	600	2,268,000	✓	8	211	251	88	25	72	224	64	183	3,267	1,484

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