

P-TEC

PF Flocculator

CAPACITIES FROM 20 GPM TO 3000 GPM



- ***PVC or Stainless Steel Construction.***
- ***Both coagulation and flocculation in one piece of equipment.***
- ***Requires much less space than conventional reaction tanks.***
- ***Energy efficient; No additional energy inputs required (mixers).***
- ***Little or no maintenance; No moving parts.***

The P-TEC PF Flocculator is a Plug Flow Type Pipe Flocculation Reactor includes mixing zones for both coagulation and flocculation required for chemical treatment of most wastewater. The term "plug flow" refers to the fact that retention time and/or mixing energy is constant in any given cross section of the pipe. As such, all particles are subjected to the same amount of mixing energy for the same amount of time. This results in a highly uniform floc with excellent separation characteristics. The PF Flocculator allows for the addition of a portion of the DAF recycle flow containing dissolved air to be introduced into the last stage of the process. This enhances the floc's buoyancy by incorporating micro bubbles *inside the floc's as they are forming*, which makes separation inside the DAF more efficient.

P-TEC flocculators are constructed of either PVC or stainless steel pipe with a stainless steel frame.

P-TEC's flocculators are delivered standard with fittings for chemical dosing, sampling, and whitewater injection. Additional fittings may be included for other equipment such as a pH sensor.

P-TEC

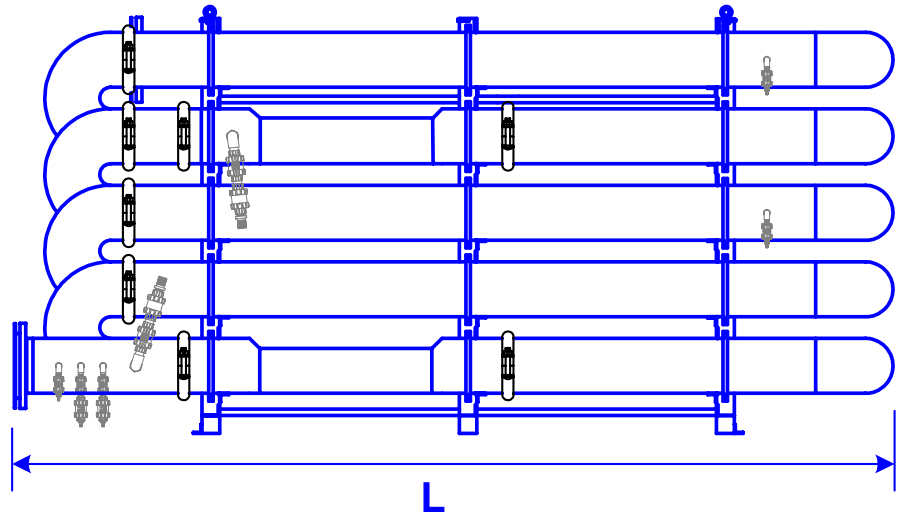
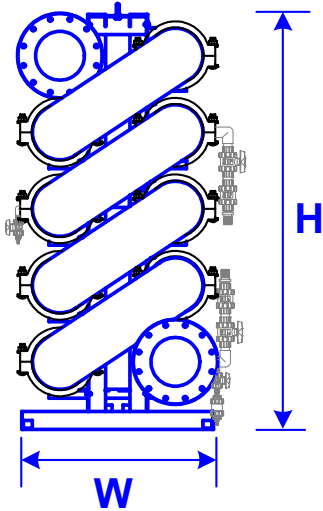
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P-TEC

PF Flocculator



PF Series Flocculators

Model	Flow Rate in GPM			Dimensions in Inches				Weight in lbs.	
	Min.	Nom.	Max.	L	W	H	Flange	Empty	Full
PF 30	17	30	45	187	16	36	1.5	506	681
PF 50	28	50	74	167	18	40	2	611	902
PF 100	65	100	169	151	20	46	3	935	1614
PF 250	111	250	289	220	24	48	4	1327	2507
PF 500	247	500	643	203	28	58	6	2013	4491
PF 800	425	800	1104	203	32	68	8	2899	7320
PF 1200	664	1200	1727	203	36	76	10	3926	10662
PF 1600	939	1600	2442	241	42	94	12	5258	15151
PF 2000	1136	2000	2953	215	46	104	14	5927	17830
PF 3000	1494	3000	3884	246	50	114	16	7437	25007