



FRC
Systems International, LLC

F SERIES FLOCCULATOR

CAPACITIES FROM 15 GPM TO 1980 GPM



- *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.*

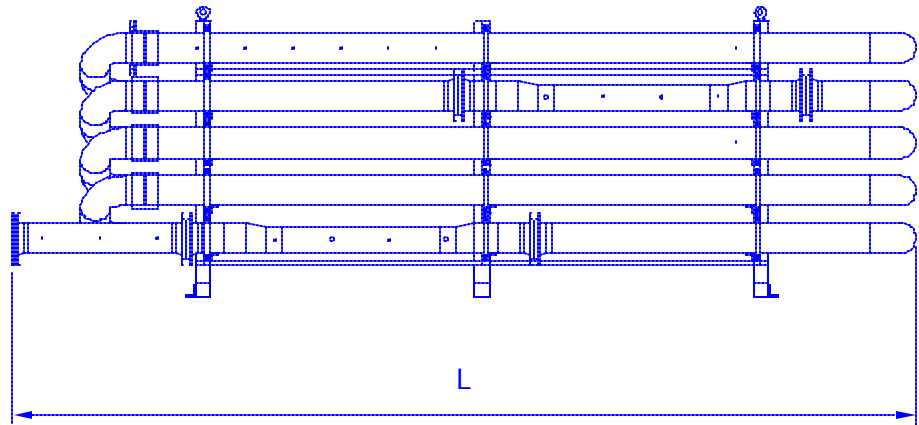
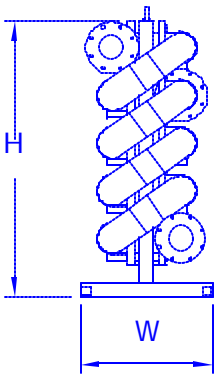
The F Series Flocculator is a *Plug Flow Reactor* (PFR) type coagulation/flocculation system, consisting of a long serpentine pipe of a specific length and diameter. The term "plug flow" refers to the fact that retention time and/or mixing energy is constant in any given cross section of the pipe. As 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.

FRC'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.



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F SERIES



F Series Pipe Flocculators

MODEL	FLOW RATE IN GPM			DIMENSIONS IN INCHES				WEIGHT IN POUNDS	
	MIN.	AVG.	MAX.	L	W	H	Flange	EMPTY	FULL
F50	15	23	39	108	18	40	1.5	150	246
F75	39	64	78	112	20	46	2.5	243	474
F90	65	99	123	180	22	42	3.0	420	869
F110	110	148	169	188	24	46	4.0	558	1156
F125	155	256	312	188	26	50	4.0	611	1615
F160	285	420	503	190	28	58	6.0	830	2537
F180	375	532	648	191	29	63	6.0	1012	3228
F200	477	655	822	194	32	68	8.0	1196	3978
F225	615	830	1011	194	36	69	8.0	1505	5070
F250	790	1025	1286	194	36	76	10.0	1840	6372
F280	1061	1285	1566	190	42	87	10.0	2570	8385
F315	1320	1627	1982	197	43	94	12.0	3270	10793