

Radial Flow Settler (RFS)

RFS - Technical Data

Diameter	in	12	18	24	30	36	42	48	60	72	84	96	108	120	132	144
	mm	305	457	610	762	914	1067	1219	1524	1829	2134	2438	2743	3048	3353	3658
Overall Height	in	30.0	36.0	36.0	42.0	42.0	48.0	48.0	54.0	60.0	66.0	72.0	75.0	84.0	90.0	96.0
	mm	1062	1274	1274	1487	1487	1699	1699	1912	2124	2336	2549	2655	2974	3186	3398
Weir Dia.	in	17.0	23.0	29.0	35.0	42.0	48.0	54.0	66.0	80.0	92.0	104.0	116.0	128.0	128.0	152.0
	mm	602	814	1027	1239	1487	1699	1912	2336	2832	3257	3682	4106	4531	4531	5381
Max OD	in	22.5	28.5	34.5	40.5	46.5	54.5	60.5	72.5	90.5	102.5	114.5	126.5	138.5	138.5	162.5
	mm	572	724	876	1029	1181	1384	1537	1842	2299	2604	2908	3213	3518	3518	4128
Stilling Well Dia	in	3.0	4.5	6.0	7.5	9.0	10.5	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
	mm	78	102	154	154	203	255	303	356	406	406	406	406	406	406	406
Stilling Well Length	in	13.5	14.3	15.0	15.8	16.5	17.3	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
Max Flow	gpm	2.9	7.2	11.8	21.0	28.8	37.5	47.7	77.7	115.1	169.7	234.9	310.6	397.0	493.9	601.3
	l/min	11.1	27.1	44.7	79.6	109.1	142.1	180.7	294.0	435.7	642.4	889.2	1175.9	1502.7	1869.5	2276.2
HLR	g/sf	3.98	4.33	4.01	4.57	4.35	4.16	4.05	4.22	4.34	4.70	4.98	5.21	5.39	5.54	5.67
	l/m ²	162.03	176.27	163.32	186.16	177.16	169.56	165.08	171.90	176.92	191.66	203.10	212.23	219.67	225.86	231.08
Inlet Dia.	in	0.75	1.00	1.50	2.00	3.00	3.00	3.00	4.00	4.00	6.00	6.00	6.00	8.00	8.00	8.00
Outlet Dia.	in	1.00	1.50	2.00	3.00	3.00	3.00	4.00	4.00	6.00	6.00	8.00	10.00	10.00	10.00	10.00
Solids Outlet Dia.	in	1.00	1.00	1.50	1.50	2.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00	4.00	4.00	4.00
Capacities																
Operating	gal	8.9	17.7	30.7	48.6	74.4	104.6	142.0	240.8	385.5	566.0	795.4	1079.7	1424.6	1748.7	2320.1
	l	33.9	67.0	116.2	184.0	281.7	396.1	537.4	911.7	1459.4	2142.6	3011.0	4087.0	5392.8	6619.6	8782.7
Flooded	gal	12.9	24.9	42.1	65.3	98.4	136.0	181.6	300.1	472.6	681.1	942.5	1262.7	1647.4	1971.5	2634.3
	l	48.9	94.2	159.5	247.1	372.5	514.7	687.5	1135.9	1788.8	2578.2	3567.8	4779.7	6236.2	7462.9	9972.0
Weights & Loadings																
Empty	lbs	94	111	148	190	222	280	324	422	519	626	754	985	1103	1397	1579
Operating	lbs	172	266	417	616	874	1196	1568	2532	3896	5584	7722	10443	13583	16716	21903
Flooded	lbs	207	329	517	762	1084	1471	1915	3050	4659	6592	9010	12046	15534	18667	24655
Footprint	sf	2.8	4.4	6.5	8.9	11.8	16.2	20.0	28.7	44.7	57.3	71.5	87.3	104.6	104.6	144.0
Floor Load	lbs/sf	219.2	150.3	132.6	125.4	123.7	124.4	124.8	128.9	137.8	145.1	153.6	164.2	172.9	175.9	193.7