

VCS Series Two-Stage Vertical Coalescer Separator Housings

FLOW RATES

(Subject to Limitations Contained in Footnotes)

MODEL NUMBER VFCS-C-	MAXIMUM FLOW RATES RECOMMENDED FOR VISCOSITIES SHOWN ⁽²⁾																							
	PERF. ⁽¹⁾		31 SSU		33.0 SSU		36.0 SSU		39.0 SSU		42.3 SSU		45.5 SSU		52.0 SSU		58.8 SSU		97.5 SSU		150.0 SSU		200.0 SSU	
	Solids	Water	1 CS		2.2 CS		3.0 CS		4.0 CS		5.0 CS		6.0 CS		8.0 CS		10.0 CS		20.0 CS		32.0 CS		43.0 CS	
	Micron	ppm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
VCS-222-122	25	40	145	549	120	454	90	341	65	246	50	189	45	170	30	114	25	95	10	38	OA	OA	OA	OA
	5	10																			8	30	6	23
	2	<10																			6	23	4	15
	0.5	<5																						
VCS-243-222	25	40	270	1022	225	852	165	625	125	473	100	379	80	303	60	227	50	189	25	95	OA	OA	OA	OA
	5	10																			14	53	10	38
	2	<10																			11	42	7	27
	0.5	<5																						
VCS-328-222	25	40	270	1022	225	852	165	625	125	473	100	379	80	303	60	227	50	189	25	95	OA	OA	OA	OA
	5	10																			14	53	10	38
	2	<10																			11	42	7	27
	0.5	<5																						
VCS-343-228	25	40	400	1514	335	1268	245	927	185	700	145	549	120	454	90	341	75	284	35	132	OA	OA	OA	OA
	5	10																			20	76	15	57
	2	<10																			15	57	10	38
	0.5	<5																						
VCS-443-328	25	40	535	2025	445	1684	325	1230	245	927	195	738	160	606	120	454	100	379	50	189	OA	OA	OA	OA
	5	10																			27	102	20	76
	2	<10																			20	76	14	53
	0.5	<5																						
VCS-456-428	25	40	720	2725	600	2271	440	1665	330	1249	265	1003	215	814	160	606	130	492	65	246	OA	OA	OA	OA
	5	10																			37	140	27	102
	2	<10																			28	106	18	68
	0.5	<5																						
VCS-643-428	25	40	805	3047	670	2536	490	1855	370	1400	295	1117	240	908	180	681	145	549	70	265	OA	OA	OA	OA
	5	10																			41	155	31	117
	2	<10																			31	117	21	80
	0.5	<5																						
VCS-743-433	25	40	935	3539	780	2952	570	2157	430	1628	345	1306	280	1060	210	795	170	643	85	322	OA	OA	OA	OA
	5	10																			48	182	36	136
	2	<10																			36	136	27	102
	0.5	<5																						
VCS-656-533	25	40	1075	4069	895	3388	655	2479	490	1855	395	1495	320	1211	240	908	195	738	95	360	OA	OA	OA	OA
	5	10																			55	208	41	155
	2	<10																			42	159	28	106
	0.5	<5																						
VCS-843-533	25	40	1075	4069	895	3388	655	2479	490	1855	395	1495	320	1211	240	908	195	738	95	360	OA	OA	OA	OA
	5	10																			55	208	41	155
	2	<10																			42	159	28	106
	0.5	<5																						
VCS-1043-633	25	40	1340	5072	1115	4220	815	3085	615	2328	490	1855	400	1514	300	1136	245	927	120	454	OA	OA	OA	OA
	5	10																			69	261	51	193
	2	<10																			52	197	35	133
	0.5	<5																						
VCS-856-733	25	40	1435	5431	1195	4523	870	3293	655	2479	525	1987	430	1628	325	1230	265	1003	130	492	OA	OA	OA	OA
	5	10																			74	280	55	208
	2	<10																			56	212	21	80
	0.5	<5																						
VCS-1243-733	25	40	1610	6094	1340	5072	980	3709	735	2782	590	2233	480	1817	360	1363	295	1117	145	549	OA	OA	OA	OA
	5	10																			83	314	62	235
	2	<10																			62	235	42	159
	0.5	<5																						
VCS-1343-833	25	40	1740	6586	1450	5488	1060	4012	800	3028	640	2422	520	1968	390	1476	320	1211	160	606	OA	OA	OA	OA
	5	10																			90	341	67	254
	2	<10																			68	257	45	170
	0.5	<5																						
VCS-1643-1033	25	40	2140	8100	1785	6756	1605	6075	980	3709	785	2971	645	2441	480	1817	395	1495	195	738	OA	OA	OA	OA
	5	10																			110	416	83	314
	2	<10																			35	133	56	212
	0.5	<5																						

NOTE: The above flow rates are sizing guides only. Calculations of specific service conditions may result in units with flow rates other than those shown above.

OA = On Application

- (1) Nominal Micron rating is based on removing 96 to 98% of all solids larger than the rating shown in one pass through a clean cartridge.
 (2) Flow rates are based on normal conditions when the interfacial tension between the water and the continuous phase is not less than 36 dynes per centimeter, operating temperature does not exceed 240°F, and pH value between 5 and 9.

Due to our continuing program of improvement, specifications are subject to change without notice.