

High Pressure Vertical Separators
2 Phase and 3 Phase

Size Dia. x S-S	WP PSIG	APPRX WT.	LIQ. CAP.		GAS CAPACITY - MMSCFD					
			2-PH B/D	3-PH B/D	400 PSIG	600 PSIG	800 PSIG	1000 PSIG	1200 PSIG	1440 PSIG
12 3/4" OD x 5'	1000	450	185	-	1.7	2.1	2.4	2.7	-	-
	1200	575	180	-	1.7	2.1	2.4	2.7	3	-
	1440	600	170	-	1.6	2	2.3	2.6	2.9	-
12 3/4" OD x 7'6"	1000	625	370	185	1.7	2.1	2.4	2.7	-	-
	1200	825	360	180	1.7	2.1	2.4	2.7	3	-
	1440	850	340	170	1.6	2	2.3	2.6	2.9	3.1
16" OD x 5'	1000	725	280	-	2.8	3.5	4	4.5	-	-
	1200	900	280	-	2.8	3.5	4	4.5	5	-
	1440	1100	270	-	2.7	3.3	3.8	4.3	4.7	5.6
16" OD x 7'6"	1000	1025	560	280	2.7	3.5	4	4.5	-	-
	1200	1275	560	280	2.8	3.5	4	4.5	5	-
	1440	1550	540	270	2.7	3.3	3.8	4.3	4.7	5.6
20" OD x 5'	1000	1150	450	-	4.3	5.3	6.1	6.9	-	-
	1200	1425	450	-	4.3	5.3	6.1	6.9	7.6	-
	1440	1450	425	-	4	5	5.8	6.5	7.2	7.7
20" OD x 7'6"	1000	1600	900	450	4.3	5.3	6.1	6.9	-	-
	1200	2000	900	450	4.3	5.3	6.1	6.9	7.6	-
	1440	2050	850	425	4	5	5.8	6.5	7.2	7.7
24" OD x 10'	720	1662	1480	860	6.6	8.1	-	-	-	-
	1000	2441	1410	820	6.3	7.8	8.9	10.1	-	-
	1200	2833	1400	810	6.2	7.7	8.8	10.1	11	-
	1440	3157	1350	780	6	7.4	8.6	9.7	10.7	11.5
30" OD x 10'	720	2725	2300	1340	10.5	13	-	-	-	-
	1000	3693	2230	1300	10.2	12.6	14.5	16.4	-	-
	1200	4387	2180	1270	10	12.3	14.2	16	17.6	-
	1440	5077	2100	1220	9.5	11.9	13.6	15.4	17	18.2
36" OD x 10'	720	3954	3325	1940	14.8	18.4	-	-	-	-
	1000	5456	3290	1920	14.6	18.1	20.9	23.6	-	-
	1200	6349	3210	1870	14.2	17.6	20.3	22.9	25.2	-
	1440	7557	3045	1775	13.5	16.8	19.3	21.8	24	25.8
36" ID x 10'	720	4489	3620	2110	16.1	20	-	-	-	-
	1000	6179	3620	2110	16.1	20	23	26	-	-
	1200	7643	3620	2110	16.1	20	23	26	28.6	-
	1440	9009	3620	2110	16.1	20	23	26	28.6	30.7
42" OD x 10'	720	5470	4530	2640	20.2	25	-	-	-	-
	1000	7308	4360	2540	19.4	24.1	27.7	31.3	-	-
	1200	9020	4250	2470	18.9	23.5	27	30.5	33.5	-
	1440	10460	4170	2430	18.5	23	26.5	30	32.9	35.4
42" OD x 15'	720	7565	9060	3770	20.2	25	-	-	-	-
	1000	10151	8720	3630	19.4	24.1	27.7	31.3	-	-
	1200	12583	8500	3530	18.9	23.5	27	30.5	33.5	-
	1440	14591	8340	3470	18.5	23	26.5	30	32.9	35.4

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			2-PH B/D	3-PH B/D	400 PSIG	600 PSIG	800 PSIG	1000 PSIG	1200 PSIG	1440 PSIG
42" ID x 10'	720	6491	4930	2870	21.9	27.2	-	-	-	-
	1000	8328	4930	2870	21.9	27.2	31.3	35.4	-	-
	1200	10667	4930	2870	21.9	27.2	31.3	35.4	38.9	-
	1440	12364	4930	2870	21.9	27.2	31.3	35.4	38.9	41.8
42" ID x 15'	720	9013	9860	4100	21.9	27.2	-	-	-	-
	1000	11499	9860	4100	21.9	27.2	31.3	35.4	-	-
	1200	14825	9860	4100	21.9	27.2	31.3	35.4	38.9	-
	1440	17189	9860	4100	21.9	27.2	31.3	35.4	38.9	41.8
48" OD x 10'	720	7592	5920	3450	26.3	27.2	-	-	-	-
	1000	9599	5730	3340	25.5	31.7	36.4	41.1	-	-
	1200	11750	5600	3260	24	31	35.6	40.2	44.3	-
	1440	14118	5445	3170	24.2	30.1	34.6	39.1	43.1	46.2
48" OD x 15'	720	10348	11840	4930	26.3	32.7	-	-	-	-
	1000	13359	11460	4770	25.5	31.7	36.4	41.1	-	-
	1200	16170	11200	4660	24.9	31	35.6	40.2	44.3	-
	1440	19514	10890	4530	24.2	30.1	34.6	39.1	43.1	46.2
48" ID x 10'	720	8462	6435	3750	28.6	35.6	-	-	-	-
	1000	11387	6435	3750	28.6	35.6	40.9	46.2	-	-
	1200	13664	6434	3750	28.6	35.6	40.9	46.2	50.9	-
	1440	17702	6435	3750	28.6	35.6	40.9	46.2	50.9	54.6
48" ID x 15'	720	11704	12870	5360	28.6	35.6	-	-	-	-
	1000	15742	12870	5360	28.6	35.6	40.9	46.2	-	-
	1200	18770	12870	5360	28.6	35.6	40.9	46.2	50.9	-
	1440	24333	12870	5360	28.6	35.6	40.9	46.2	50.9	54.6
54" ID x 10'	720	11185	8145	4100	36.2	45	-	-	-	-
	1000	14332	8145	4100	36.2	45	51.8	58.5	-	-
	1200	17518	8145	4100	36.2	45	51.8	58.5	64.4	-
	1440	21494	8145	4100	36.2	45	51.8	58.5	64.4	69.1
54" ID x 15'	720	15238	16290	6830	36.2	45	-	-	-	-
	1000	19633	16290	6830	36.2	45	51.8	58.5	-	-
	1200	24087	16290	6830	36.2	45	51.8	58.5	64.4	-
	1400	29349	16290	6830	36.2	45	51.8	58.5	64.4	69.1
60" ID x 10'	720	14061	10050	4180	44.7	55.6	-	-	-	-
	1000	19355	10050	4180	44.7	55.6	63.9	72.2	-	-
	1200	23478	10050	4180	44.7	55.6	63.9	72.2	79.5	-
	1440	28226	10050	4180	44.7	55.6	63.9	72.2	79.5	85.3
60" ID x 15'	720	19011	20100	8360	44.7	55.6	-	-	-	-
	1000	26159	20100	8360	44.7	55.6	63.9	72.2	-	-
	1200	31693	20100	8360	44.7	55.6	63.9	72.2	79.5	-
	1400	37868	20100	8360	44.7	55.6	63.9	72.2	79.5	85.3