

GRUNDFOS ENGINEERED SYSTEMS – LCS PACKAGE

*(Split Coupled End Suction Pumps)***BASE PACKAGE INCLUDES:**

- PACO LCS PUMPS
- SUCTION DIFFUSER WITH BUTTERFLY ISOLATION VALVE ON SUCTION SIDE
- CHECK VALVE WITH BUTTERFLY ISOLATION VALVE ON DISCHARGE SIDE
- FABRICATED CARBON STEEL SCH 40 BRANCHES AND HEADERS
- FABRICATED STRUCTURAL STEEL SKID BASE
- INTEGRATED CONTROL & POWER PANEL WITH VFD'S

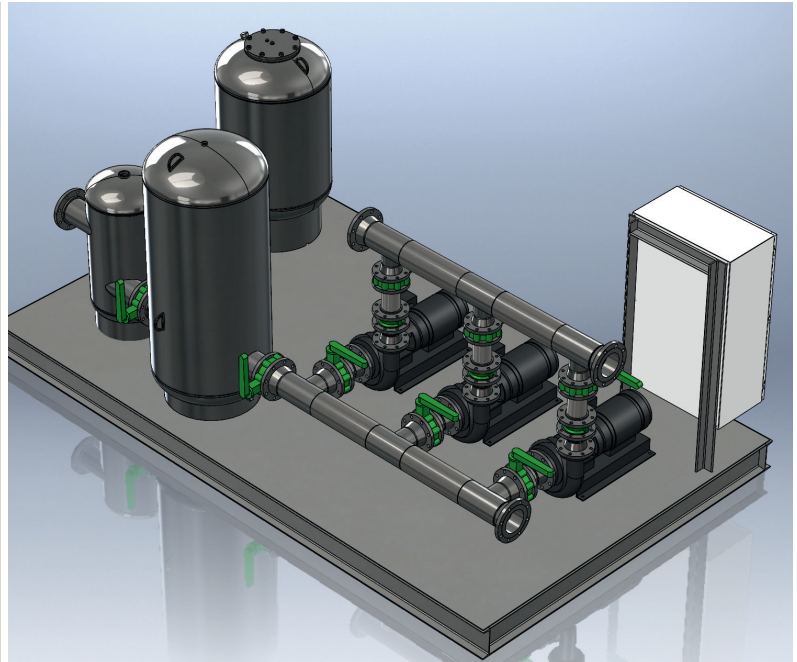
**BASE + ACCESSORY PACKAGE INCLUDES
ALL THINGS LISTED IN THE BASE PACKAGE PLUS:**

- AIR SEPARATOR
- EXPANSION TANK
- CHEMICAL POT FEEDER

**BASE + ACCESSORY + BUFFER TANK PACKAGE INCLUDES
ALL THINGS LISTED IN THE BASE + ACCESSORY PACKAGE PLUS:**

- BUFFER TANK WITH BUTTERFLY ISOLATION VALVE ON INLET AND OUTLET OF BUFFER TANK

*Other options available on request

**DUPLEX**

SYSTEM FLOW USGPM	SYSTEM HEAD FT	CASING SIZE	MAX MOTOR HP	208V MAX FLA	460V MAX FLA	BASE PACKAGE				BASE+ACCESSORY PACKAGE					BASE+ACCESSORY+BUFFER TANK PACKAGE					HEADER SIZE NPS
						LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT IN	EXPANSION TANK CAPACITY US GAL	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	BUFFER TANK CAPACITY US GAL	
100 50 (1+1 SPARE)	50-90 90-200	15951 10707	3 10	10.6 30.8	4.8 14	54 52	84 84	66 66	2000 2300	70 69	84 84	68 68	2200 2500	35 35	106 105	96 96	80 80	2700 3000	120 120	2
250 125 (1+1 SPARE)	50-100 100-200	15959 12709	7.5 15	24.2 46.2	11 21	62 55	96 82	66 66	2500 2800	84 77	96 82	68 68	2800 3100	35 35	124 117	108 94	80 80	3300 3600	120 120	4
500 250 (1+1 SPARE)	50-90 90-200	25957 20709	10 25	30.8 74.8	14 34	66 58	100 92	66 66	2800 3600	87 80	100 92	84 84	3500 4300	211 211	140 132	118 110	92 92	4400 5200	300 300	5
750 375 (1+1 SPARE)	50-85 85-195 195-200	30957 25707 25957	15 30 30	46.2 88 88	21 40 40	67 59 67	96 92 101	66 66 66	3300 3800 3800	95 87 95	96 92 101	73 73 73	3900 4400 4400	158 158 158	148 140 147	114 110 119	92 92 92	4800 5300 5300	300 300 300	6
1000 500 (1+1 SPARE)	50-85 85-190 190-200	40957 30707 30957	20 40 40	59.4 114 114	27 52 52	66 70 71	93 104 106	66 78 78	4100 5100 5100	94 98 99	93 104 106	73 80 80	4800 5800 5800	158 158 158	147 151 152	111 122 124	92 92 92	5700 6700 6700	300 300 300	8
1250 625 (1+1 SPARE)	50-80 80-155 155-200	40957 40129 30957	20 60 50	59.4 169 143	27 77 65	66 73 71	100 113 108	66 78 78	4100 6000 5200	94 102 102	100 113 108	83 83 83	5000 6900 6100	264 264 264	153 160 158	121 134 129	110 110 110	6400 8300 7500	500 500 500	
1500 750 (1+1 SPARE)	50-150 150-200	40129 30957	60 60	169 169	77 77	73 71	113 108	78 78	6000 6000	102 102	113 108	107 107	7000 7000	370 370	160 158	134 129	110 110	8400 8400	500 500	
2000 1000 (1+1 SPARE)	50-80 80-140 140-200	50957 50123 40157	30 60 100	88 169 273	40 77 124	75 76 78	108 120 125	66 78 90	5300 6800 8100	116 117 118	108 120 125	107 107 107	6600 8100 9400	370 370 370	176 177 177	129 141 146	110 110 110	8000 9500 10800	500 500 500	10
2500 1250 (1+1 SPARE)	50-70 70-135 135-200	50957 60123 50157	30 75 125	88 211 343	40 96 156	79 80 82	109 126 141	66 78 90	6300 7900 8900	120 121 123	109 126 141	107 107 107	7700 9300 10300	370 370 370	— — —	— — —	— — —	— — —	— — —	12
3000 1500 (1+1 SPARE)	50-70 70-130 130-200	60951 60123 50157	40 75 125	114 211 343	52 96 156	80 80 82	109 126 141	78 78 90	6800 6900 8900	121 121 126	109 126 141	95 95 95	8700 8800 10800	528 528 528	— — —	— — —	— — —	— — —	— — —	
3500 1750 (1+1 SPARE)	50-65 65-145 145-200	60951 60123 50157	40 100 125	114 273 343	52 124 156	80 80 82	119 136 145	78 90 90	6800 7800 10800	121 126 126	119 136 145	130 130 130	9500 10500 13500	792 792 792	— — —	— — —	— — —	— — —	— — —	
4000 2000 (1+1 SPARE)	50-60 60-140 140-165	60951 60123 60157	40 100 125	114 273 343	52 124 156	83 86 85	120 137 146	78 90 90	7800 10100 11800	130 129 131	120 137 146	110 110 110	10400 12700 14400	660 660 660	— — —	— — —	— — —	— — —	— — —	14
4500 2250 (1+1 SPARE)	90-130 130-160	60123 60157	100 125	273 343	124 156	85 88	139 150	90 90	11100 12800	145 148	139 150	130 130	15200 16900	792 792	— —	— —	— —	— —	— —	16
5000 2500 (1+1 SPARE)	75-135 135-150	80123 60157	125 125	343 343	156 156	85 88	144 154	90 90	12800 12800	145 148	144 154	130 130	16900 16900	792 792	— —	— —	— —	— —	— —	

* All Dimensions and Weights are Estimates and For Reference Only. Contact Grundfos Commercial Systems Sales for Additional Information.

GRUNDFOS ENGINEERED SYSTEMS – LCS PACKAGE

(Split Coupled End Suction Pumps)

TRIPLEX																				
SYSTEM FLOW USGPM	SYSTEM HEAD FT	CASING SIZE	MAX MOTOR HP	208V MAX FLA	460V MAX FLA	BASE PACKAGE				BASE+ACCESSORY PACKAGE					BASE+ACCESSORY+BUFFER TANK PACKAGE					HEADER SIZE NPS
						LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT IN	EXPANSION TANK CAPACITY US GAL	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	BUFFER TANK CAPACITY US GAL	
250	50-90	15955	5	16.7	7.6	98	89	66	4000	120	89	68	4300	35	160	101	80	4800	120	4
166 (2+1 SPARE)	90-200	10707	10	30.8	14	85	85	66	4100	107	85	68	4400	35	147	97	80	4900	120	
500	50-80	20953	7.5	24.2	11	101	98	66	4900	123	98	84	5600	211	176	116	92	6500	300	5
333 (2+1 SPARE)	80-200	15705	20	59.4	27	88	89	78	5100	110	89	84	5800	211	162	107	92	6700	300	
750	50-90	25957	10	30.8	14	103	101	66	5100	131	101	73	5700	158	183	119	92	6600	300	6
500 (2+1 SPARE)	90-200	20709	25	74.8	34	89	95	78	5900	117	95	80	6500	158	170	113	92	7400	300	
1000	50-85	30957	15	46.2	21	107	99	78	6800	135	99	80	7500	158	188	117	92	8400	300	8
666 (2+1 SPARE)	85-200	25707	30	88	40	93	95	78	7300	121	95	80	8000	158	174	113	92	8900	300	
1250	50-80	30957	15	46.2	21	107	106	78	6800	135	106	95	7700	264	194	127	110	9100	500	10
833 (2+1 SPARE)	80-190	25707	30	88	40	93	97	78	7300	121	97	95	8200	264	180	118	110	9600	500	
1500	50-85	40957	20	59.4	27	96	95	78	6900	134	95	107	7900	370	183	116	110	9300	500	12
1000 (2+1 SPARE)	85-190	30707	40	114	52	106	104	78	7800	134	104	107	8800	370	193	125	110	10200	500	
2000	50-75	40957	20	59.4	27	107	106	78	7800	135	106	107	8800	370	194	127	110	10200	500	14
1333 (2+1 SPARE)	190-200	30957	40	114	52	99	103	78	8300	140	103	107	9600	370	199	124	110	11000	500	
2500	75-155	40129	60	169	77	112	120	78	11100	153	120	107	12300	370	213	141	110	13700	500	16
1666 (2+1 SPARE)	155-200	30957	50	143	65	110	109	78	9300	151	109	107	10600	370	211	130	110	12000	500	
3000	50-65	50957	20	59.4	27	115	102	78	11000	156	102	107	12400	370	—	—	—	—	—	12
2000 (2+1 SPARE)	65-120	4012A	40	114	52	104	108	78	12200	145	108	107	13600	370	—	—	—	—	—	
3500	120-175	40707	60	169	77	114	116	78	12600	155	116	107	14000	370	—	—	—	—	—	14
2333 (2+1 SPARE)	175-200	40157	75	211	96	117	123	78	12700	158	123	107	14100	370	—	—	—	—	—	
4000	50-80	50957	30	88	40	115	111	78	11200	156	111	95	13100	528	—	—	—	—	—	16
2000 (2+1 SPARE)	80-140	50123	60	169	77	116	128	78	12600	157	128	95	14500	528	—	—	—	—	—	
3500	140-200	40157	100	273	124	117	126	108	14000	158	126	110	15600	528	—	—	—	—	—	12
2333 (2+1 SPARE)	50-75	50957	30	88	40	115	111	78	11200	156	111	130	13900	792	—	—	—	—	—	
4500	75-130	50123	60	169	77	116	128	78	12600	157	128	130	15300	792	—	—	—	—	—	14
3000 (2+1 SPARE)	130-145	40707	60	169	77	114	119	78	12600	155	119	130	15300	792	—	—	—	—	—	
5000	145-200	50157	125	343	156	123	141	108	17500	171	141	130	20200	792	—	—	—	—	—	16
2666 (2+1 SPARE)	50-65	50957	30	88	40	118	112	78	12900	165	112	110	15500	660	—	—	—	—	—	
4000	65-100	60157	60	169	77	122	139	78	15300	168	139	110	17900	660	—	—	—	—	—	12
3000 (2+1 SPARE)	100-130	60123	75	211	96	119	127	78	15400	165	127	110	18000	660	—	—	—	—	—	
4500	130-200	50157	125	343	156	123	142	108	17400	171	142	110	20000	660	—	—	—	—	—	14
3000 (2+1 SPARE)	50-70	60951	40	114	52	121	111	78	16100	181	111	130	20200	792	—	—	—	—	—	
5000	70-130	60123	75	211	96	121	129	78	17500	181	129	130	21600	792	—	—	—	—	—	16
3333 (2+1 SPARE)	130-200	50157	125	343	156	123	143	108	19500	183	143	130	23600	792	—	—	—	—	—	
5000	50-65	60951	40	114	52	121	121	78	16100	181	121	130	20200	792	—	—	—	—	—	12
3333 (2+1 SPARE)	65-140	60123	100	273	124	121	139	108	17800	181	139	130	21900	792	—	—	—	—	—	
	140-200	50157	125	343	156	123	147	108	19500	183	147	130	23600	792	—	—	—	—	—	

QUADPLEX																				
SYSTEM FLOW USGPM	SYSTEM HEAD FT	CASING SIZE	MAX MOTOR HP	208V MAX FLA	460V MAX FLA	BASE PACKAGE				BASE+ACCESSORY PACKAGE					BASE+ACCESSORY+BUFFER TANK PACKAGE					HEADER SIZE NPS
						LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT IN	EXPANSION TANK CAPACITY US GAL	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	BUFFER TANK CAPACITY US GAL	
250	50-85	15951	3	10.6	4.8	116	85	66	5700	138	85	68	6000	35	178	97	80	6500	120	4
187 (3+1 SPARE)	85-200	10707	10	30.8	14	115	87	78	6000	137	87	80	6300	35	177	99	80	6800	120	
500	50-100	15959	7.5	24.2	11	137	99	78	7300	159	99	84	8000	211	211	117	92	8900	300	5
375 (3+1 SPARE)	100-200	12709	15	46.2	21	118	85	78	7700	140	85	84	8400	211	192	103	92	9300	300	
750	50-80	20953	7.5	24.2	11	139	100	78	7800	167	100	84	8400	158	219	118	92	9300	300	6
562 (3+1 SPARE)	80-190	15705	20	59.4	27	119	90	78	8300	147	90	84	8900	158	200	108	92	9800	300	
1000	90-200	15955	20	59.4	27	138	97	78	8300	166	97	84	8900	158	219	115	92	9800	300	8
750 (3+1 SPARE)	50-90	25957	10	30.8	14	143	104	78	10100	171	104	84	10800	158	224	122	92	11700	300	
1250	90-200	20709	25	74.8	34	123	102	78	11100	151	102	84	11800	158	204	120	92	12700	300	10
937 (3+1 SPARE)	50-90	30957	15	46.2	21	143	99	78	10400	171	99	83	11300	264	230	120	110	12700	500	
1500	90-130	25123	20	59.4	27	126	98	78	10800	154	98	83	11700	264	213	119	110	13400	500	12
1125 (3+1 SPARE)	130-200	25707	30	88	40	123	101	78	11100	151	101	83	12000	264	210	122	110	13400	500	
2000	50-85	30957	15	46.2	21	143	99	78	10400	171	99	107	11400	370	230	120	110	12800	500	14
1500 (3+1 SPARE)	85-195	25707	30	88	40	123	101	78	11100	151	101	107	12100	370	210	122	110	13500	500	
2500	195-200	25957	30	88	40	143	110	78	11100	171	110	107	12100	370	230	131	110	13500	500	16
1875 (3+1 SPARE)	50-85	40957	20	59.4	27	129	96	78	13200	170	96	107	14500	370	229	117	110	15600	500	
3000	85-190	30707	40	114	52	145	112	78	14400	186	112	107	15700	370	245	133	110	17100	500	12
2250 (3+1 SPARE)	190-200	30957	40	114	52	146	113	78	14400	187	113	107	15700	370	247	134	110	17100	500	
3500	50-80	40957	20	59.4	27	133	105	78	16800	174	105	107	18200	370	—	—	—	—	—	14
2625 (3+1 SPARE)	80-155	40129	60	169	77	152	121	90	19400	193	121	107	20800	370	—	—	—	—	—	
4000	155-200	30957	50	143	65	150	117	78	18200	191	117	107	19600	370	—	—	—	—	—	16
3750 (3+1 SPARE)	50-150	40129	60	169	77	152	121	90	19400	193	121	95	21300	528	—	—	—	—	—	
5000	150-200	30957	60	169	77	150	117	90	19400	191	117	95	21300	528	—	—	—	—	—	12
3375 (3+1 SPARE)	50-80	50957	30	88	40	151	108	78	17800	192	108	130	20500	792	—	—	—	—	—	
	80-115	4012A	40	114	52	152	124	78	18000	193	124	130	20700	792	—	—	—	—	—	14
	115-175	40707	60	169	77	132	112	90	19400	173	112	130	22100	792	—	—	—	—	—	
4000	175-200	40157	75	211	96	153	123	108	19500	194	123	130	22200	792	—	—	—	—	—	16
3000 (3+1 SPARE)	50-80	50957	30	88	40	154	118	78	20500	201	118	95	23100	660	—	—	—	—	—	
	80-140	50123	60	169	77	155	129	90	22500	201	129	95	25100	660	—	—	—	—	—	12
	140-200	40157	100	273	124	156	127	108	25600	202	127	110	28200	660	—	—	—	—	—	
4500	50-75	50957	30	88	40	156	119	78	24100	216	119	130	28200	792	—	—	—	—	—	14
3375 (3+1 SPARE																				

QUADPLEX																				
SYSTEM FLOW USGPM	SYSTEM HEAD FT	CASING SIZE	MAX MOTOR HP	208V MAX FLA	460V MAX FLA	BASE PACKAGE				BASE+ACCESSORY PACKAGE					BASE+ACCESSORY+BUFFER TANK PACKAGE					HEADER SIZE NPS
						LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT IN	EXPANSION TANK CAPACITY US GAL	LENGTH IN	WIDTH IN	HEIGHT IN	WEIGHT LBS	BUFFER TANK CAPACITY US GAL	
250	50-85	15951	3	10.6	4.8	116	85	66	5700	138	85	68	6000	35	178	97	80	6500	120	4
187 (3+1 SPARE)	85-200	10707	10	30.8	14	115	87	78	6000	137	87	80	6300	35	177	99	80	6800	120	
500	50-100	15959	7.5	24.2	11	137	99	78	7300	159	99	84	8000	211	211	117	92	8900	300	5
375 (3+1 SPARE)	100-200	12709	15	46.2	21	118	85	78	7700	140	85	84	8400	211	192	103	92	9300	300	
750	50-80	20953	7.5	24.2	11	139	100	78	7800	167	100	84	8400	158	219	118	92	9300	300	6
562 (3+1 SPARE)	80-190	15705	20	59.4	27	119	90	78	8300	147	90	84	8900	158	200	108	92	9800	300	
1000	190-200	15955	20	59.4	27	138	97	78	8300	166	97	84	8900	158	219	115	92	9800	300	8
750 (3+1 SPARE)	50-90	25957	10	30.8	14	143	104	78	10100	171	104	84	10800	158	224	122	92	11700	300	
1250	90-200	20709	25	74.8	34	123	102	78	11100	151	102	84	11800	158	204	120	92	12700	300	10
937 (3+1 SPARE)	50-90	30957	15	46.2	21	143	99	78	10400	171	99	83	11300	264	230	120	110	12700	500	
1500	90-130	25123	20	59.4	27	126	98	78	10800	154	98	83	11700	264	213	119	110	13400	500	8
1125 (3+1 SPARE)	130-200	25707	30	88	40	123	101	78	11100	151	101	83	12000	264	210	122	110	13400	500	
2000	50-85	30957	15	46.2	21	143	99	78	10400	171	99	107	11400	370	230	120	110	12800	500	10
1500 (3+1 SPARE)	85-195	25707	30	88	40	123	101	78	11100	151	101	107	12100	370	210	122	110	13500	500	
2500	195-200	25957	30	88	40	143	110	78	11100	171	110	107	12100	370	230	131	110	13500	500	12
1875 (3+1 SPARE)	50-85	40957	20	59.4	27	129	96	78	13200	170	96	107	14500	370	229	117	110	15600	500	
3000	85-190	30707	40	114	52	145	112	78	14400	186	112	107	15700	370	245	133	110	17100	500	14
2250 (3+1 SPARE)	190-200	30957	40	114	52	146	113	78	14400	187	113	107	15700	370	247	134	110	17100	500	
3500	50-80	40957	20	59.4	27	133	105	78	16800	174	105	107	18200	370	—	—	—	—	—	16
2625 (3+1 SPARE)	80-155	40129	60	169	77	152	121	90	19400	193	121	107	20800	370	—	—	—	—	—	
4000	155-200	30957	50	143	65	150	117	78	18200	191	117	107	19600	370	—	—	—	—	—	12
3375 (3+1 SPARE)	50-150	40129	60	169	77	152	121	90	19400	193	121	95	21300	528	—	—	—	—	—	
5000	150-200	30957	60	169	77	150	117	90	19400	191	117	95	21300	528	—	—	—	—	—	14
3000 (3+1 SPARE)	50-80	50957	30	88	40	151	108	78	17800	192	108	130	20500	792	—	—	—	—	—	
4500	80-115	4012A	40	114	52	152	124	78	18000	193	124	130	20700	792	—	—	—	—	—	16
3750 (3+1 SPARE)	115-175	40707	60	169	77	132	112	90	19400	173	112	130	22100	792	—	—	—	—	—	
5000	175-200	40157	75	211	96	153	123	108	19500	194	123	130	22200	792	—	—	—	—	—	14
3000 (3+1 SPARE)	50-80	50957	30	88	40	154	118	78	20500	201	118	95	23100	660	—	—	—	—	—	
4500	80-140	50123	60	169	77	155	129	90	22500	201	129	95	25100	660	—	—	—	—	—	16
3375 (3+1 SPARE)	140-200	40157	100	273	124	156	127	108	25600	202	127	110	28200	660	—	—	—	—	—	
5000	50-75	50957	30	88	40	156	119	78	24100	216	119	130	28200	792	—	—	—	—	—	12
3750 (3+1 SPARE)	75-135	50123	60	169	77	157	130	90	26100	217	130	130	30200	792	—	—	—	—	—	
5000	135-150	40707	60	169	77	155	121	90	26100	215	121	130	30200	792	—	—	—	—	—	14
3750 (3+1 SPARE)	150-200	50157	125	343	156	159	143	108	32000	219	143	130	36100	792	—	—	—	—	—	
5000	50-70	50957	30	88	40	156	119	78	24100	216	119	130	28200	792	—	—	—	—	—	16
3750 (3+1 SPARE)	70-135	60123	75	211	96	157	129	108	26200	217	129	130	30300	792	—	—	—	—	—	
	135-200	50157	125	343	156	159	143	108	32000	219	143	130	36100	792	—	—	—	—	—	