

GRUNDFOS ENGINEERED SYSTEMS – VLS PACKAGE

*(Split Coupled Vertical Inline Pumps)***BASE PACKAGE INCLUDES:**

- PACO VLS 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

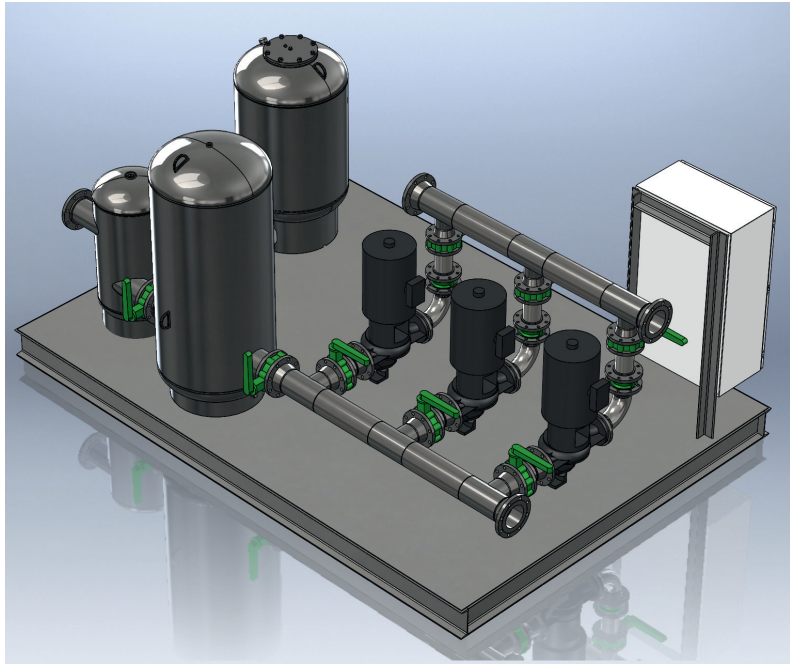
**BASE + ACCESSORY PACKAGE INCLUDES
ALL THINGS LISTED IN THE BASE PACKAGE PLUS:**

- 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	20951	5	16.7	7.6	54	71	66	2100	71	71	68	2300	35	107	83	80	2800	120	2
	90-200	12707	10	30.8	14	48	72	66	2300	65	72	68	2500	35	101	84	80	3000	120	
	50-95	20959	7.5	24.2	11	57	83	66	2500	79	83	68	2800	35	119	95	80	3300	120	
250 125 (1+1 SPARE)	95-195	15709	15	46.2	21	51	79	66	2800	73	79	68	3100	35	113	91	80	3600	120	4
	195-200	20705	15	46.2	21	51	81	66	2800	73	81	68	3100	35	113	93	80	3600	120	
	50-90	30957	10	30.8	14	60	91	69	2800	81	91	84	3500	211	134	109	92	4400	300	
500 250 (1+1 SPARE)	90-200	25709	25	74.8	34	54	87	66	3600	75	87	84	4300	211	128	105	92	5200	300	5
	50-80	40957	15	46.2	21	67	88	73	3300	95	88	73	3900	158	147	106	92	4800	300	
	80-185	30707	30	88	40	55	89	69	3800	83	89	73	4400	158	135	107	92	5300	300	
750 375 (1+1 SPARE)	185-200	30957	40	114	52	61	94	78	4300	89	94	80	4900	158	141	112	92	5800	300	6
	50-80	5012A	15	46.2	21	65	100	77	4100	93	100	83	4800	158	146	118	92	5700	300	
	80-185	40707	40	114	52	65	101	78	5100	93	101	80	5800	158	146	119	92	6700	300	
1000 500 (1+1 SPARE)	185-200	30957	40	114	52	65	102	78	5100	93	102	80	5800	158	152	123	92	6700	300	8
	50-75	50957	20	59.4	27	71	110	75	4100	99	110	83	5000	264	158	131	110	6400	500	
	75-130	5012A	40	114	52	65	116	78	5100	93	116	83	6000	264	152	137	110	7400	500	
1250 625 (1+1 SPARE)	130-170	40707	40	114	52	65	105	78	5100	93	105	83	6000	264	152	126	110	7400	500	10
	170-200	40957	50	143	65	71	110	78	5200	99	110	83	6100	264	158	131	110	7500	500	
	50-65	50957	20	59.4	27	71	110	75	4100	99	110	107	5100	370	158	131	110	6500	500	
1500 750 (1+1 SPARE)	65-120	5012A	40	114	52	65	116	78	5100	93	116	107	6100	370	152	137	110	7500	500	12
	120-160	50129	60	169	77	66	116	78	6000	102	116	107	7000	370	152	137	110	8400	500	
	160-200	40957	60	169	77	71	110	78	6000	102	110	107	7000	370	158	131	110	8400	500	
2000 1000 (1+1 SPARE)	50-70	60957	30	88	40	68	124	71	5300	109	124	107	6600	370	168	145	110	8000	500	14
	70-140	60125	60	169	77	68	126	79	6800	109	126	107	8100	370	168	147	110	9500	500	
	140-200	50157	100	273	124	78	142	90	8100	115	142	107	9400	370	174	163	110	10800	500	
2500 1250 (1+1 SPARE)	50-80	80951	40	114	52	72	124	78	6800	113	124	107	8200	370	—	—	—	—	—	16
	80-130	60125	60	169	77	72	129	80	7800	113	129	107	9200	370	—	—	—	—	—	
	130-200	60157	125	343	156	78	145	91	10800	119	145	107	12200	370	—	—	—	—	—	
3000 1500 (1+1 SPARE)	50-75	80951	40	114	52	72	124	78	6800	113	124	95	8700	528	—	—	—	—	—	12
	75-135	80123	100	273	124	78	132	90	9100	126	132	95	11000	528	—	—	—	—	—	
	135-200	60157	125	343	156	78	145	91	10800	126	145	95	12700	528	—	—	—	—	—	
3500 1750 (1+1 SPARE)	50-65	80951	40	114	52	72	144	78	6800	113	144	130	9500	792	—	—	—	—	—	14
	65-130	80123	100	273	124	78	152	90	7800	126	152	130	10500	792	—	—	—	—	—	
	130-200	80157	200	528	240	84	158	98	12500	126	158	130	15200	792	—	—	—	—	—	
4000 2000 (1+1 SPARE)	70-130	10123	125	343	156	81	148	94	11800	127	148	110	14400	660	—	—	—	—	—	16
	130-200	80157	200	528	240	87	160	98	13500	133	160	110	16100	660	—	—	—	—	—	
	70-125	10123	125	343	156	83	150	94	12800	143	150	130	16900	792	—	—	—	—	—	
4500 2250 (1+1 SPARE)	125-200	80157	200	528	240	89	162	98	14500	149	162	130	18600	792	—	—	—	—	—	16
	65-125	10123	125	343	156	83	172	94	12800	143	172	130	16900	792	—	—	—	—	—	
	125-200	80157	200	528	240	89	170	98	14500	149	170	130	18600	792	—	—	—	—	—	

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

GRUNDFOS ENGINEERED SYSTEMS – VLS PACKAGE

(Split Coupled Vertical Inline 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	50-85	20955	5	16.7	7.6	93	73	68	4000	115	73	70	4300	35	155	85	80	4800	120	4
166 (2+1 SPARE)	85-200	12707	15	46.2	21	81	76	78	4600	103	76	80	4900	35	143	88	80	5400	120	
500	50-80	25953	7.5	24.2	11	96	85	68	4900	117	85	84	5600	211	170	103	92	6500	300	5
333 (2+1 SPARE)	80-200	20705	15	46.2	21	84	84	78	5300	105	84	84	6000	211	158	102	92	6900	300	
750	50-90	30957	10	30.8	14	97	92	71	5100	125	92	73	5700	158	177	110	92	6600	300	6
500 (2+1 SPARE)	90-200	25709	25	74.8	34	85	90	78	5900	113	90	80	6500	158	165	108	92	7400	300	
1000	50-85	40957	15	46.2	21	113	93	78	6800	141	93	80	7500	158	194	111	92	8400	300	8
666 (2+1 SPARE)	85-115	30123	20	59.4	27	89	101	78	6900	117	101	80	7600	158	170	119	92	8500	300	
	115-195	30707	30	88	40	89	94	78	7300	117	94	80	8000	158	170	112	92	8900	300	10
	195-200	25953	30	88	40	101	95	78	7300	129	95	80	8000	158	182	113	92	8900	300	
1250	50-80	40957	15	46.2	21	113	106	78	6800	141	106	95	7700	264	200	127	110	9100	500	8
833 (2+1 SPARE)	80-195	40707	40	114	52	101	101	78	7800	129	101	95	8700	264	188	122	110	10100	500	
	195-200	30957	40	114	52	101	102	78	7800	129	102	95	8700	264	188	123	110	10100	500	10
1500	50-80	5012A	15	46.2	21	101	102	78	6800	129	102	107	7800	370	188	123	110	9200	500	
1000 (2+1 SPARE)	80-185	40707	40	114	52	101	101	78	7800	129	101	107	8800	370	188	122	110	10200	500	12
	185-200	30957	40	114	52	101	102	78	7800	129	102	107	8800	370	188	123	110	10200	500	
2000	50-130	5012A	40	114	52	104	119	78	9200	145	119	107	10500	370	204	140	110	11900	500	10
1333 (2+1 SPARE)	130-160	50129	60	169	77	104	125	78	11100	145	125	107	12400	370	204	146	110	13800	500	
2500	160-200	40957	50	143	65	116	112	78	9300	157	112	107	10600	370	216	133	110	12000	500	16
1666 (2+1 SPARE)	50-155	50129	60	169	77	108	128	78	12600	149	128	107	14000	370	—	—	—	—	—	
3000	155-200	40957	60	169	77	120	121	78	12600	161	121	107	14000	370	—	—	—	—	—	12
2000 (2+1 SPARE)	50-70	60957	30	88	40	108	129	78	11200	149	129	95	13100	528	—	—	—	—	—	
	70-140	60125	60	169	77	108	135	80	12600	149	135	95	14500	528	—	—	—	—	—	14
	140-200	50157	100	273	124	120	145	108	14000	161	145	110	15900	528	—	—	—	—	—	
3500	50-65	60957	30	88	40	108	129	78	11200	149	129	130	13900	792	—	—	—	—	—	16
2333 (2+1 SPARE)	65-130	60125	60	169	77	108	135	80	12600	149	135	130	15300	792	—	—	—	—	—	
	130-200	50959	100	273	124	120	131	108	14000	161	131	130	16700	792	—	—	—	—	—	14
4000	50-80	80951	40	114	52	111	126	78	14000	157	126	110	16600	660	—	—	—	—	—	
2666 (2+1 SPARE)	80-140	80123	100	273	124	123	134	108	15700	169	134	110	18300	660	—	—	—	—	—	16
	140-200	60157	125	343	156	123	147	108	17400	171	147	110	20000	660	—	—	—	—	—	
4500	50-75	80951	40	114	52	113	128	78	16100	173	128	130	20200	792	—	—	—	—	—	18
3000 (2+1 SPARE)	75-135	80123	100	273	124	125	136	108	17800	185	136	130	21900	792	—	—	—	—	—	
	135-200	60157	125	343	156	125	149	108	19500	185	149	130	23600	792	—	—	—	—	—	16
	50-70	80951	40	114	52	113	148	78	16100	173	148	130	20200	792	—	—	—	—	—	
5000	70-130	80123	100	273	124	125	156	108	17800	185	156	130	21900	792	—	—	—	—	—	18
3333 (2+1 SPARE)	130-200	60157	125	343	156	125	157	108	19500	185	157	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	
250 187 (3+1 SPARE)	50-90	20955	5	16.7	7.6	129	73	68	5700	151	73	70	6000	35	191	85	80	6500	120	4
	90-200	12707	10	30.8	14	111	76	78	6000	133	76	80	6300	35	173	88	80	6800	120	
	500 375 (3+1 SPARE)	50-95	20959	7.5	24.2	11	132	86	78	7300	153	86	84	8000	211	206	104	92	8900	
750 562 (3+1 SPARE)	95-195	15709	15	46.2	21	114	82	78	7700	135	82	84	8400	211	188	100	92	9300	300	5
	195-200	20705	15	46.2	21	114	84	78	7700	135	84	84	8400	211	188	102	92	9300	300	
	50-75	25953	7.5	24.2	11	133	88	78	7800	161	88	84	8400	158	213	106	92	9300	300	
750 750 (3+1 SPARE)	75-135	25121	15	46.2	21	133	92	78	8200	161	92	84	8800	158	213	110	92	9700	300	6
	135-190	20705	15	46.2	21	115	85	78	8200	143	85	84	8800	158	195	103	92	9700	300	
	190-200	20955	25	74.8	34	133	93	78	9200	161	93	84	9800	158	213	111	92	10700	300	
1000 937 (3+1 SPARE)	50-90	30957	10	30.8	14	137	97	78	10100	165	97	84	10800	158	218	115	92	11700	300	8
	90-200	25709	25	74.8	34	119	99	78	11100	147	99	84	11800	158	200	117	92	12700	300	
	50-85	40957	15	46.2	21	155	93	78	10400	183	93	83	11300	264	242	114	110	12700	500	
1500 1125 (3+1 SPARE)	85-120	30123	20	59.4	27	119	101	78	10800	147	101	83	11700	264	206	122	110	13100	500	10
	120-200	30707	30	88	40	119	100	78	11100	147	100	83	12000	264	206	121	110	13400	500	
	50-80	40957	15	46.2	21	155	93	78	10400	183	93	107	11400	370	242	114	110	12800	500	
2000 1500 (3+1 SPARE)	80-185	30707	30	88	40	119	100	78	11100	147	100	107	12100	370	206	121	110	13500	500	12
	185-200	30957	40	114	52	137	103	78	11700	165	103	107	12700	370	224	124	110	14100	500	
	50-80	5012A	15	46.2	21	140	105	78	13400	181	105	107	14300	370	240	126	110	15700	500	
2500 1875 (3+1 SPARE)	80-185	40707	40	114	52	140	110	78	14400	181	110	107	15700	370	240	131	110	17100	500	14
	185-200	30957	40	114	52	140	110	78	14400	181	110	107	15700	370	240	131	110	17100	500	
	50-75	50957	20	59.4	27	162	118	78	16800	203	118	107	18200	370	—	—	—	—	—	
3000 2250 (3+1 SPARE)	75-130	5012A	40	114	52	144	128	78	18000	185	128	107	19400	370	—	—	—	—	—	16
	130-170	40707	40	114	52	144	117	78	18000	185	117	107	19400	370	—	—	—	—	—	
	170-200	40957	50	143	65	162	121	78	18200	203	121	107	19600	370	—	—	—	—	—	
3500 2625 (3+1 SPARE)	50-65	50957	20	59.4	27	162	118	78	16800	203	118	95	18700	528	—	—	—	—	—	18
	65-120	5012A	40	114	52	144	128	78	18000	185	128	95	19900	528	—	—	—	—	—	
	120-160	50129	60	169	77	144	128	90	19400	185	128	95	21300	528	—	—	—	—	—	
4000 3000 (3+1 SPARE)	160-200	40957	60	169	77	162	121	90	19400	203	121	95	21300	528	—	—	—	—	—	20
	50-75	60957	30	88	40	144	117	78	17800	185	117	130	20500	792	—	—	—	—	—	
	75-155	50129	60	169	77	144	128	90	19400	185	128	130	22100	792	—	—	—	—	—	
4500 3375 (3+1 SPARE)	155-200	50157	100	273	124	162	138	108	22500	203	138	130	25200	792	—	—	—	—	—	22
	50-70	60957	30	88	40	147	137	78	20500	193	137	95	23100	660	—	—	—	—	—	
	70-140	60125	60	169	77	147	137	90	22500	193	137	95	25100	660	—	—	—	—	—	
5000 3750 (3+1 SPARE)	140-200	50157	100	273	124	165	147	108	25600	211	147	110	28200	660	—	—	—	—	—	24
	50-65	60957	30	88	40	149	140	78	24100	209	140	130	28200	792	—	—	—	—	—	
	65-90	60157	40	114	52	167	149	91	25400	227	149	130	29500	792	—	—	—	—	—	
3750 (3+1 SPARE)	90-135	60125	60	169	77	149	139	90	26100	209	139	130	30200	792	—	—	—	—	—	26
	135-200	60157	125	343	156	167	149	108	32000	227	149	130	36100	792	—	—	—	—	—	
	50-80	80951	40	114	52	149	134	78	25400	209	134	130	29500	792	—	—	—	—	—	
3750 (3+1 SPARE)	80-130	60125	60	169	77	149	139	90	26100	209	139	130	30200	792	—	—	—	—	—	28
	130-200	60157	125	343	156	167	149	108	32000	227	149	130	36100	792	—	—	—	—	—	