

# GRUNDFOS ENGINEERED SYSTEMS – VL PACKAGE

(Close Coupled Vertical Inline Pumps)

**BASE PACKAGE INCLUDES:**

- PACO VL 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

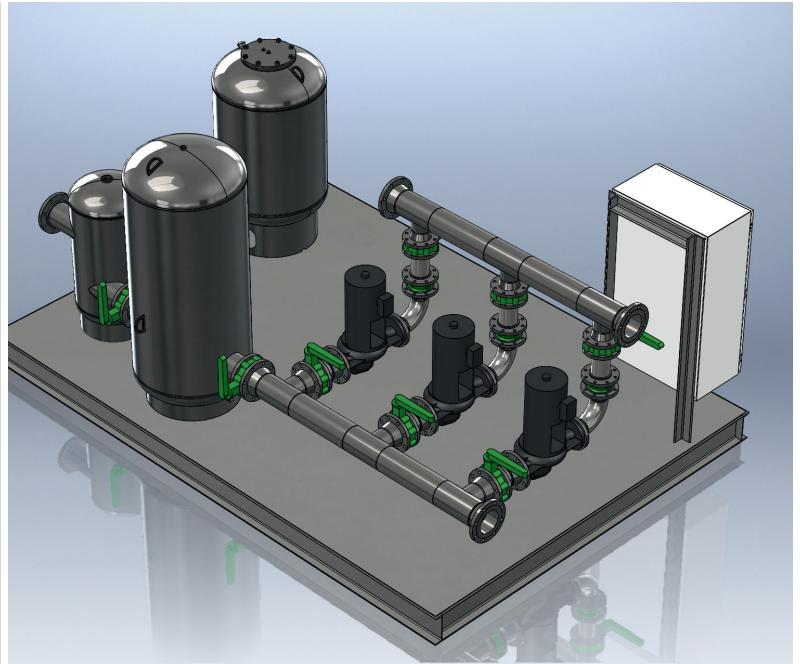
**BASE + ACCESSORY PACKAGE INCLUDES ALL THINGS LISTED IN THE BASE PACKAGE PLUS:**

- 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	48	73	66	2100	65	73	68	2300	35	101	85	80	2800	120	2
	90-200	12707	10	30.8	14	42	73	66	2300	62	73	68	2500	35	95	85	80	3000	120	
	50-95	20959	7.5	24.2	11	51	83	66	2500	73	83	68	2800	35	113	95	80	3300	120	
250 125 (1+1 SPARE)	95-195	15709	15	46.2	21	45	79	66	2800	67	79	68	3100	35	107	91	80	3600	120	4
	195-200	20951	20	59.4	27	51	83	66	2900	73	83	68	3200	35	113	95	80	3400	120	
	50-90	30957	10	30.8	14	54	84	66	2800	75	84	84	3500	211	128	102	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	61	88	66	3300	89	88	73	3900	158	141	106	92	4800	300	
	80-185	30707	30	88	40	55	89	66	3800	83	89	73	4400	158	135	107	92	5300	300	
750 375 (1+1 SPARE)	185-200	25953	40	114	52	55	92	78	4300	84	92	80	4900	158	135	110	92	5800	300	6
	50-135	5012A	40	114	52	65	102	78	5100	93	102	80	5800	158	146	120	92	6700	300	
	135-185	40707	40	114	52	59	101	78	5100	87	101	80	5800	158	140	119	92	6700	300	
1000 500 (1+1 SPARE)	185-200	30957	40	114	52	59	102	78	5100	87	102	80	5800	158	140	120	92	6700	300	8
	50-130	5012A	40	114	52	65	116	78	5100	93	116	83	6000	264	152	137	110	7400	500	
	130-170	40707	40	114	52	59	105	78	5100	90	105	83	6000	264	146	126	110	7400	500	
1250 625 (1+1 SPARE)	170-200	40957	50	143	65	65	110	78	5200	93	110	83	6100	264	152	131	110	7500	500	10
	50-120	5012A	40	114	52	65	116	78	5100	93	116	107	6100	370	152	137	110	6900	500	
	120-160	50129	60	169	77	66	116	78	6000	102	116	107	7000	370	152	137	110	8400	500	
1500 750 (1+1 SPARE)	160-200	40957	60	169	77	66	110	78	6000	102	110	107	7000	370	152	131	110	8400	500	12
	50-70	60957	30	88	40	68	124	66	5300	109	124	107	6600	370	168	145	110	8000	500	
	70-140	60125	60	169	77	68	126	78	6800	109	126	107	8100	370	168	147	110	9500	500	
2000 1000 (1+1 SPARE)	140-200	50157	100	273	124	78	142	90	8100	115	142	107	9400	370	174	163	110	10800	500	14
	50-80	80951	40	114	52	72	124	78	6800	113	124	107	8200	370	-	-	-	-	-	
	80-140	80123	100	273	124	78	132	90	9100	119	132	107	10500	370	-	-	-	-	-	
2500 1250 (1+1 SPARE)	140-200	60157	125	343	156	78	145	90	10800	119	145	107	12200	370	-	-	-	-	-	16
	50-75	80951	40	114	52	72	124	78	6800	113	124	95	8700	528	-	-	-	-	-	
	75-135	80123	100	273	124	78	132	90	7800	126	132	95	9700	528	-	-	-	-	-	
3000 1500 (1+1 SPARE)	135-200	60157	125	343	156	78	145	90	10800	126	145	95	12700	528	-	-	-	-	-	
	50-65	80951	40	114	52	72	144	78	6800	113	144	130	9500	792	-	-	-	-	-	
	65-130	80123	100	273	124	78	152	90	7800	126	152	130	10500	792	-	-	-	-	-	
3500 1750 (1+1 SPARE)	130-160	80157	125	343	156	78	158	90	10800	126	158	130	13500	792	-	-	-	-	-	
	160-200	60157	125	343	156	78	153	90	10800	126	153	130	13500	792	-	-	-	-	-	
	70-130	10123	125	343	156	81	148	90	11800	127	148	110	14400	660	-	-	-	-	-	
4000 2000 (1+1 SPARE)	130-155	80157	125	343	156	81	160	90	11800	127	160	110	14400	660	-	-	-	-	-	
	70-125	10123	125	343	156	83	150	90	12800	143	150	130	16900	792	-	-	-	-	-	
	125-145	80157	125	343	156	83	162	90	12800	143	162	130	16900	792	-	-	-	-	-	
5000 2500 (1+1 SPARE)	65-125	10123	125	343	156	83	150	90	12800	143	150	130	16900	792	-	-	-	-	-	
	125-140	80157	125	343	156	83	162	90	12800	143	162	130	16900	792	-	-	-	-	-	

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

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*(Close 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	
250 166 (2+1 SPARE)	50-85	20955	5	16.7	7.6	81	73	66	4000	103	73	68	4300	35	143	85	80	4800	120	4
	85-200	12707	15	46.2	21	69	79	78	4600	91	79	80	4900	35	131	91	80	5400	120	
500 333 (2+1 SPARE)	50-80	25953	7.5	24.2	11	84	85	66	4900	105	85	84	5600	211	158	103	92	6500	300	5
	80-200	20705	15	46.2	21	72	84	78	5300	93	84	84	6000	211	146	102	92	6900	300	
750 500 (2+1 SPARE)	50-90	30957	10	30.8	14	85	92	66	5100	113	92	73	5700	158	165	110	92	6600	300	6
	90-200	25709	25	74.8	34	85	90	78	5900	113	90	80	6500	158	165	108	92	7400	300	
1000 666 (2+1 SPARE)	50-85	40957	15	46.2	21	101	93	78	6800	129	93	80	7500	158	182	111	92	8400	300	8
	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	
	195-200	25953	30	88	40	89	95	78	7300	117	95	80	8000	158	170	113	92	8900	300	
1250 833 (2+1 SPARE)	50-80	40957	15	46.2	21	101	106	78	6800	129	106	95	7700	264	188	127	110	9100	500	8
	80-135	40127	30	88	40	101	107	78	7300	129	107	95	8200	264	188	128	110	9600	500	
	135-170	30707	25	74.8	34	89	99	78	7700	117	99	95	8600	264	176	120	110	10000	500	
	170-200	30957	40	114	52	89	102	78	7800	117	102	95	8700	264	176	123	110	10100	500	
1500 1000 (2+1 SPARE)	50-135	5012A	40	114	52	101	102	78	7800	129	102	107	8800	370	188	123	110	10200	500	10
	135-185	40707	40	114	52	89	101	78	7800	117	101	107	8800	370	176	122	110	10200	500	
	185-200	30957	40	114	52	89	102	78	7800	117	102	107	8800	370	176	123	110	10200	500	
	50-170	5012A	20	59.4	27	104	115	78	8300	145	115	107	9600	370	204	136	110	11900	500	
2000 1333 (2+1 SPARE)	70-130	5012A	40	114	52	104	119	78	9200	145	119	107	10500	370	204	140	110	11900	500	10
	130-170	40157	50	143	65	104	122	78	9300	145	122	107	10600	370	204	143	110	12000	500	
	170-200	40957	60	169	77	104	112	78	9300	145	112	107	10600	370	204	133	110	12000	500	
	50-155	50129	60	169	77	108	128	78	12600	149	128	107	14000	370	-	-	-	-	-	
2500 1666 (2+1 SPARE)	155-200	50157	75	211	96	120	138	78	12700	161	138	107	14100	370	-	-	-	-	-	-
	50-70	60957	30	88	40	108	129	78	11200	149	129	95	13100	528	-	-	-	-	-	-
	70-140	60125	60	169	77	108	135	78	12600	149	135	95	14500	528	-	-	-	-	-	-
	140-200	50157	100	273	124	120	145	108	14000	161	145	110	15900	528	-	-	-	-	-	-
3000 2333 (2+1 SPARE)	50-65	60957	30	88	40	108	129	78	11200	149	129	130	13900	792	-	-	-	-	-	-
	65-130	60125	60	169	77	108	135	78	12600	149	135	130	15300	792	-	-	-	-	-	-
	130-200	50959	100	273	124	108	131	108	14000	149	131	130	16700	792	-	-	-	-	-	-
	50-80	80951	40	114	52	111	126	78	14000	157	126	110	16600	660	-	-	-	-	-	-
4000 2666 (2+1 SPARE)	80-140	80123	100	273	124	123	134	108	15700	169	134	110	18300	660	-	-	-	-	-	-
	140-200	60157	125	343	156	123	147	108	17400	171	147	110	20000	660	-	-	-	-	-	-
	50-75	80951	40	114	52	113	128	78	16100	173	128	130	20200	792	-	-	-	-	-	-
	75-135	80123	100	273	124	125	136	108	17800	185	136	130	21900	792	-	-	-	-	-	-
4500 3000 (2+1 SPARE)	135-200	60157	125	343	156	125	149	108	19500	185	149	130	23600	792	-	-	-	-	-	-
	50-70	80951	40	114	52	113	148	78	16100	173	148	130	20200	792	-	-	-	-	-	-
	70-130	80123	100	273	124	125	156	108	17800	185	156	130	21900	792	-	-	-	-	-	-
	130-160	80157	125	343	156	125	162	108	19500	185	162	130	23600	792	-	-	-	-	-	-
5000 3333 (2+1 SPARE)	160-200	60157	125	343	156	125	157	108	19500	185	157	130	23600	792	-	-	-	-	-	-

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