

# GRUNDFOS ENGINEERED SYSTEMS

## VL PACKAGE *(Close Coupled Vertical Inline Pumps)*

### Base Package Includes:

- Grundfos 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 and power panel with VFD's

### Base + Accessory Package Includes:

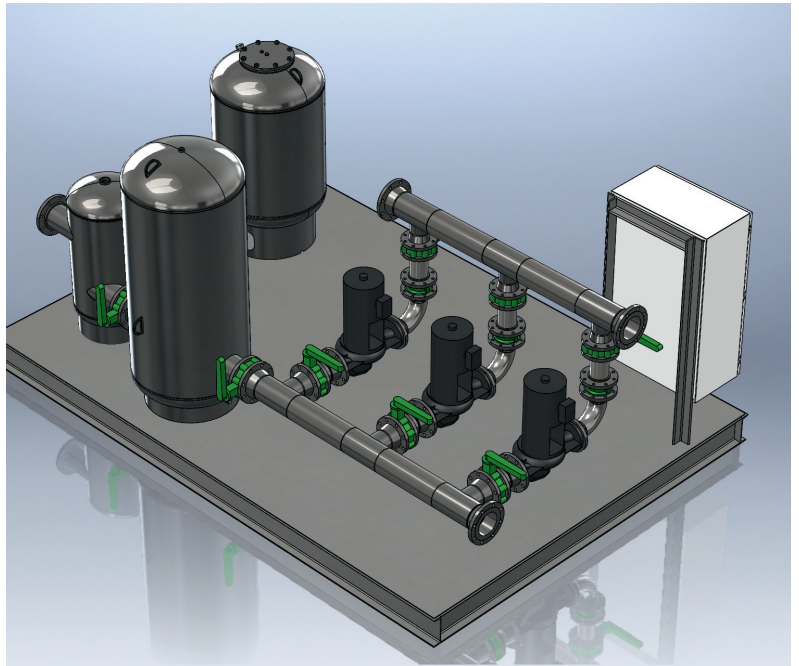
- All items listed in Base Package
- Air separator
- Expansion tank
- Chemical pot feeder

### Base + Accessory + Buffer Tank Package Includes:

- All items listed in Base + Accessory Package
- Buffer tank with butterfly isolation valve on inlet and outlet of buffer tank\*

\*Butterfly isolation valve only on suction side.

Other options available on request for all configuration packages.



## DUPLEX

System Flow (US gpm)	System Head (ft)	Casing Size (Model No.)	Max Motor Power (hp)	Max FLA 208 V (A)	Max FLA 460 V (A)	Base Package				Base + Accessory Package					Base + Accessory + Buffer Tank Package					Header Nominal Pipe Size (in)
						Length (in)	Width (in)	Height (in)	Weight (lb)	Length (in)	Width (in)	Height (in)	Weight (lb)	Expansion Tank Capacity (US gal)	Length (in)	Width (in)	Height (in)	Weight (lb)	Buffer Tank Capacity (US gal)	
100	50-90	20951	5	16.7	7.6	48	73	66	2,100	65	73	68	2,300	35	101	85	80	2,800	120	2
50 (1+1 SPARE)	90-200	12707	10	30.8	14	42	73	66	2,300	62	73	68	2,500	35	95	85	80	3,000	120	
250	50-95	20959	7.5	24.2	11	51	83	66	2,500	73	83	68	2,800	35	113	95	80	3,300	120	4
125 (1+1 SPARE)	95-195	15709	15	46.2	21	45	79	66	2,800	67	79	68	3,100	35	107	91	80	3,600	120	
500	195-200	20951	20	59.4	27	51	83	66	2,900	73	83	68	3,200	35	113	95	80	3,400	120	5
250 (1+1 SPARE)	50-90	30957	10	30.8	14	54	84	66	2,800	75	84	84	3,500	211	128	102	92	4,400	300	
750	90-200	25709	25	74.8	34	54	87	66	3,600	75	87	84	4,300	211	128	105	92	5,200	300	6
375 (1+1 SPARE)	50-80	40957	15	46.2	21	61	88	66	3,300	89	88	73	3,900	158	141	106	92	4,800	300	
1,000	80-185	30707	30	88	40	55	89	66	3,800	83	89	73	4,400	158	135	107	92	5,300	300	8
500 (1+1 SPARE)	185-200	25953	40	114	52	55	92	78	4,300	84	92	80	4,900	158	135	110	92	5,800	300	
1,250	50-135	5012A	40	114	52	65	102	78	5,100	93	102	80	5,800	158	146	120	92	6,700	300	10
625 (1+1 SPARE)	135-185	40707	40	114	52	59	101	78	5,100	87	101	80	5,800	158	140	119	92	6,700	300	
1,500	90-200	30957	40	114	52	59	102	78	5,100	87	102	80	5,800	158	140	120	92	6,700	300	12
750 (1+1 SPARE)	50-130	5012A	40	114	52	65	116	78	5,100	93	116	83	6,000	264	152	137	110	7,400	500	
2,000	130-170	40707	40	114	52	59	105	78	5,100	90	105	83	6,000	264	146	126	110	7,400	500	14
1,000 (1+1 SPARE)	170-200	40957	50	143	65	65	110	78	5,200	93	110	83	6,100	264	152	131	110	7,500	500	
2,500	50-120	5012A	40	114	52	65	116	78	5,100	93	116	107	6,100	370	152	137	110	6,900	500	16
1,250 (1+1 SPARE)	120-160	50129	60	169	77	66	116	78	6,000	102	116	107	7,000	370	152	137	110	8,400	500	
3,000	160-200	40957	60	169	77	66	110	78	6,000	102	110	107	7,000	370	152	131	110	8,400	500	18
1,500 (1+1 SPARE)	50-70	60957	30	88	40	68	124	66	5,300	109	124	107	6,600	370	168	145	110	8,000	500	
4,000	70-140	60125	60	169	77	68	126	78	6,800	109	126	107	8,100	370	168	147	110	9,500	500	20
2,000 (1+1 SPARE)	140-200	50157	100	273	124	78	142	90	8,100	115	142	107	9,400	370	174	163	110	10,800	500	
5,000	50-80	80951	40	114	52	72	124	78	6,800	113	124	107	8,200	370	-	-	-	-	-	22
2,500 (1+1 SPARE)	80-140	80123	100	273	124	78	132	90	9,100	119	132	107	10,500	370	-	-	-	-	-	
7,000	140-200	60157	125	343	156	78	145	90	10,800	119	145	107	12,200	370	-	-	-	-	-	24
3,500 (1+1 SPARE)	50-75	80951	40	114	52	72	124	78	6,800	113	124	95	8,700	528	-	-	-	-	-	
9,000	75-135	80123	100	273	124	78	132	90	7,800	126	132	95	9,700	528	-	-	-	-	-	26
4,500 (1+1 SPARE)	135-200	60157	125	343	156	78	145	90	10,800	126	145	95	12,700	528	-	-	-	-	-	
11,000	50-65	80951	40	114	52	72	144	78	6,800	113	144	130	9,500	792	-	-	-	-	-	28
5,500 (1+1 SPARE)	65-130	80123	100	273	124	78	152	90	7,800	126	152	130	10,500	792	-	-	-	-	-	
14,000	130-160	80157	125	343	156	78	158	90	10,800	126	158	130	13,500	792	-	-	-	-	-	30
7,000 (1+1 SPARE)	160-200	60157	125	343	156	78	153	90	10,800	126	153	130	13,500	792	-	-	-	-	-	
18,000	70-130	10123	125	343	156	81	148	90	11,800	127	148	110	14,400	660	-	-	-	-	-	32
9,000 (1+1 SPARE)	130-155	80157	125	343	156	81	160	90	11,800	127	160	110	14,400	660	-	-	-	-	-	
22,000	70-125	10123	125	343	156	83	150	90	12,800	143	150	130	16,900	792	-	-	-	-	-	34
11,000 (1+1 SPARE)	125-145	80157	125	343	156	83	162	90	12,800	143	162	130	16,900	792	-	-	-	-	-	
28,000	65-125	10123	125	343	156	83	150	90	12,800	143	150	130	16,900	792	-	-	-	-	-	36
14,000 (1+1 SPARE)	125-140	80157	125	343	156	83	162	90	12,800	143	162	130	16,900	792	-	-	-	-	-	

All dimensions and weights are estimates and for Reference Only. Contact Grundfos Commercial Systems Sales for additional information.

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# GRUNDFOS ENGINEERED SYSTEMS VL PACKAGE (Close Coupled Vertical Inline Pumps)

## TRIPLEX

System Flow (US gpm)	System Head (ft)	Casing Size (Model No.)	Max Motor Power (hp)	Max FLA 208 V (A)	Max FLA 460 V (A)	Base Package				Base + Accessory Package					Base + Accessory + Buffer Tank Package					Header Nominal Pipe Size (in)
						Length (in)	Width (in)	Height (in)	Weight (lb)	Length (in)	Width (in)	Height (in)	Weight (lb)	Expansion Tank Capacity (US gal)	Length (in)	Width (in)	Height (in)	Weight (lb)	Buffer Tank Capacity (US gal)	
250 166 (2+1 SPARE)	50-85	20955	5	16.7	7.6	81	73	66	4,000	103	73	68	4,300	35	143	85	80	4,800	120	4
	85-200	12707	15	46.2	21	69	79	78	4,600	91	79	80	4,900	35	131	91	80	5,400	120	
	500	50-80	25953	7.5	24.2	11	84	85	66	4,900	105	85	84	5,600	211	158	103	92	6,500	
333 (2+1 SPARE)	80-195	20705	15	46.2	21	72	84	78	5,300	93	84	84	6,000	211	146	102	92	6,900	300	5
	195-200	20955	20	59.4	27	72	84	78	5,300	93	84	84	6,000	211	146	102	92	6,900	300	
	750	50-90	30957	10	30.8	14	85	92	66	5,100	113	92	73	5,700	158	165	110	92	6,600	
500 (2+1 SPARE)	90-200	25709	25	74.8	34	85	90	78	5,900	113	90	80	6,500	158	165	108	92	7,400	300	6
	50-85	40957	15	46.2	21	101	93	78	6,800	129	93	80	7,500	158	182	111	92	8,400	300	
	1,000	85-115	30123	20	59.4	27	89	101	78	6,900	117	101	80	7,600	158	170	119	92	8,500	
666 (2+1 SPARE)	115-195	30707	30	88	40	89	94	78	7,300	117	94	80	8,000	158	170	112	92	8,900	300	8
	195-200	25953	30	88	40	89	95	78	7,300	117	95	80	8,000	158	170	113	92	8,900	300	
	1,250	50-80	40957	15	46.2	21	101	106	78	6,800	129	106	95	7,700	264	188	127	110	9,100	
833 (2+1 SPARE)	80-135	40127	30	88	40	101	107	78	7,300	129	107	95	8,200	264	188	128	110	9,600	500	8
	135-170	30707	25	74.8	34	89	99	78	7,700	117	99	95	8,600	264	176	120	110	10,000	500	
	1,500	170-200	30957	40	114	52	89	102	78	7,800	117	102	95	8,700	264	176	123	110	10,100	
1,000 (2+1 SPARE)	50-135	5012A	40	114	52	101	102	78	7,800	129	102	107	8,800	370	188	123	110	10,200	500	10
	135-185	40707	40	114	52	89	101	78	7,800	117	101	107	8,800	370	176	122	110	10,200	500	
	2,000	185-200	30957	40	114	52	89	102	78	7,800	117	102	107	8,800	370	176	123	110	10,200	
1,333 (2+1 SPARE)	50-70	50957	20	59.4	27	104	115	78	8,300	145	115	107	9,600	370	204	136	110	11,000	500	10
	70-130	5012A	40	114	52	104	119	78	9,200	145	119	107	10,500	370	204	140	110	11,900	500	
	2,500	130-170	40157	50	143	65	104	122	78	9,300	145	122	107	10,600	370	204	143	110	12,000	
1,666 (2+1 SPARE)	170-200	40957	50	143	65	104	112	78	9,300	145	112	107	10,600	370	204	133	110	12,000	500	12
	2,500	50-155	50129	60	169	77	108	128	78	12,600	149	128	107	14,000	370	-	-	-	-	
	3,000	155-200	50157	75	211	96	120	138	78	12,700	161	138	107	14,100	370	-	-	-	-	
2,000 (2+1 SPARE)	50-70	60957	30	88	40	108	129	78	11,200	149	129	95	13,100	528	-	-	-	-	-	12
	70-140	60125	60	169	77	108	135	78	12,600	149	135	95	14,500	528	-	-	-	-		
	3,500	140-200	50157	100	273	124	120	145	108	14,000	161	145	110	15,900	528	-	-	-	-	
2,333 (2+1 SPARE)	50-65	60957	30	88	40	108	129	78	11,200	149	129	130	13,900	792	-	-	-	-	-	14
	65-130	60125	60	169	77	108	135	78	12,600	149	135	130	15,300	792	-	-	-	-		
	4,000	130-200	50959	100	273	124	108	131	108	14,000	149	131	130	16,700	792	-	-	-	-	
2,666 (2+1 SPARE)	50-80	80951	40	114	52	111	126	78	14,000	157	126	110	16,600	660	-	-	-	-	-	14
	80-140	80123	100	273	124	123	134	108	15,700	169	134	110	18,300	660	-	-	-	-		
	4,500	140-200	60157	125	343	156	123	147	108	17,400	171	147	110	20,000	660	-	-	-	-	
3,000 (2+1 SPARE)	50-75	80951	40	114	52	113	128	78	16,100	173	128	130	20,200	792	-	-	-	-	-	16
	75-135	80123	100	273	124	125	136	108	17,800	185	136	130	21,900	792	-	-	-	-		
	5,000	135-200	60157	125	343	156	125	149	108	19,500	185	149	130	23,600	792	-	-	-	-	
3,333 (2+1 SPARE)	50-70	80951	40	114	52	113	148	78	16,100	173	148	130	20,200	792	-	-	-	-	-	16
	70-130	80123	100	273	124	125	156	108	17,800	185	156	130	21,900	792	-	-	-	-		
	5,000	130-160	80157	125	343	156	125	162	108	19,500	185	162	130	23,600	792	-	-	-	-	
	160-200	60157	125	343	156	125	157	108	19,500	185	157	130	23,600	792	-	-	-	-	-	

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## QUADPLEX

System Flow (US gpm)	System Head (ft)	Casing Size (Model No.)	Max Motor Power (hp)	Max FLA 208 V (A)	Max FLA 460 V (A)	Base Package				Base + Accessory Package					Base + Accessory + Buffer Tank Package					Header Nominal Pipe Size (in)
						Length (in)	Width (in)	Height (in)	Weight (lb)	Length (in)	Width (in)	Height (in)	Weight (lb)	Expansion Tank Capacity (US gal)	Length (in)	Width (in)	Height (in)	Weight (lb)	Buffer Tank Capacity (US gal)	
250 187 (3+1 SPARE)	50-90	20955	5	16.7	7.6	111	73	66	5,700	133	73	68	6,000	35	173	85	80	6,500	120	4
	90-200	12707	10	30.8	14	93	76	78	6,000	115	76	80	6,300	35	155	88	80	6,800	120	
	500	50-95	20959	7.5	24.2	11	114	86	78	7,300	135	86	84	8,000	211	188	104	92	8,900	
375 (3+1 SPARE)	95-195	15709	15	46.2	21	96	82	78	7,700	117	82	84	8,400	211	170	100	92	9,300	300	5
	195-200	20951	20	59.4	21	114	86	78	8,100	135	86	84	8,800	211	188	104	92	9,700	300	
	750	50-75	25953	7.5	24.2	11	115	88	78	7,800	143	88	80	8,400	158	195	106	92	9,300	
562 (3+1 SPARE)	75-135	25121	15	46.2	21	115	92	78	8,200	143	92	80	8,800	158	195	110	92	9,700	300	6
	135-190	20705	15	46.2	21	97	85	78	8,200	125	85	80	8,800	158	177	103	92	9,700	300	
	1,000	190-200	20959	25	74.8	34	115	93	78	9,200	143	93	80	9,800	158	195	111	92	10,700	
750 (3+1 SPARE)	50-90	30957	10	30.8	14	119	97	78	10,100	147	97	80	10,800	158	200	115	92	11,700	300	8
	90-200	25709	25	74.8	34	119	99	78	11,100	147	99	80	11,800	158	200	117	92	12,700	300	
	1,250	50-85	40957	15	46.2	21	137	93	78	10,400	165	93	83	11,300	264	224	114	110	12,700	
937 (3+1 SPARE)	85-120	30123	20	59.4	27	119	101	78	10,800	147	101	83	11,700	264	206	122	110	13,100	500	8
	120-200	30707	30	88	40	119	100	78	11,100	147	100	83	12,000	264	206	121	110	13,400	500	
	1,500	50-80	40957	15	46.2	21	137	93	78	10,400	165	93	107	11,400	370	224	114	110	12,800	
1,125 (3+1 SPARE)	80-185	30707	30	88	40	119	100	78	11,100	147	100	107	12,100	370	206	121	110	13,500	500	10
	185-200	25953	40	114	52	119	101	78	11,700	147	101	107	12,700	370	206	122	110	14,100	500	
	2,000	50-135	5012A	40	114	52	140	111	78	14,400	181	111	107	15,700	370	240	132	110	17,100	
1,500 (3+1 SPARE)	135-185	40707	40	114	52	122	110	78	14,400	163										