

## VERTICAL PUMP LIFT STATIONS (VPLS)



Shown: Duplex 1/2 HP pumps with 32 gallon double contained tank and lockable electrical disconnects for each pump. (DVPLS-32-005-1-P-TC-DC-FC)



Shown: Duplex 1/2 HP Pump with 32 gallon polyethylene molded tank. (DVPLS-32-005-1-C-SC-13)

Wastech standard pump lift stations are designed for transferring water, chemicals and waste water when a gravity drain is not possible. Larger pump and tank sizes and custom configurations available, call or e-mail Sales.

### Specifications

- Simplex (one pump) or duplex (two pumps) configuration.
- Multipoint level switch assembly with digital level display.
- Check valves on the discharge of each pump to prevent liquid from flowing back into the tank once the pumps stop.
- Each pump has a separate lockable motor disconnect that allows maintenance work to be performed on one pump while the other is still in service.
- All pump lift stations include a high-high level switch to activate a high level alarm.
- Lift stations require Wastech IPCP series industrial control panels (or equivalent).

### Standard Features

- Molded polyethylene tank (16, 32, and 56 gallon tanks standard, custom sizes available)
- Fabricated polypropylene lid
- One or two pumps—CPVC pump head
- Pump suction strainer
- TEFC thermally protected motors
- Lockable disconnect for each pump
- Check valve for each pump with Viton elastomers
- 2" FNPT top mount inlet connection
- 2" FNPT top mount vent connection
- 4"x6" view window for maintenance access
- Multipoint level switch assembly with digital level display
- NEMA 4X junction box to connect to remote control panel

### Optional Features

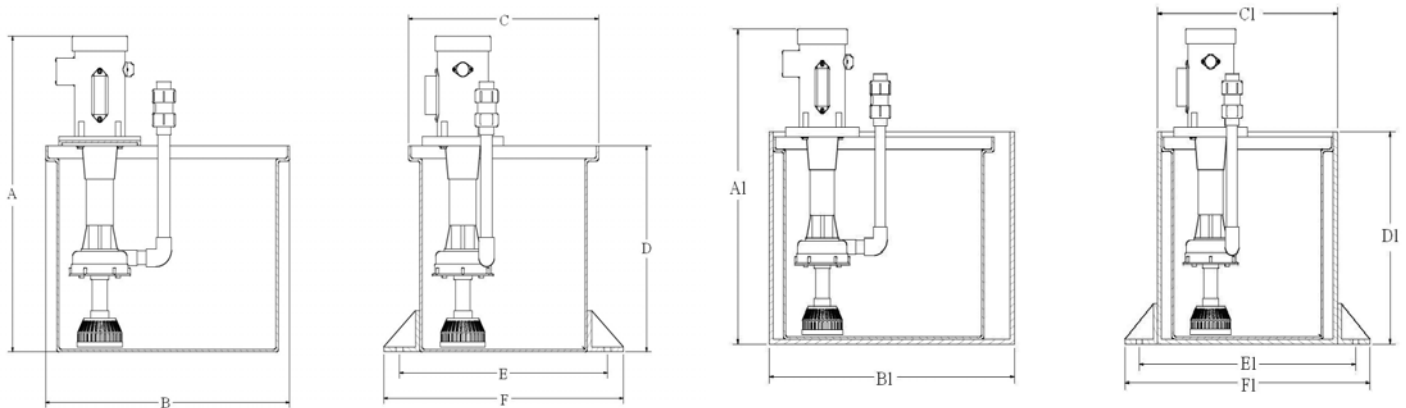
- Fabricated polypropylene double containment tank with float leak switch
- 6' pre-wired flex cable to connect to remote control panel
- Side inlet connection
- Discharge manifold with isolation ball valves
- Seismic tie downs
- PP and PVDF pumps and fittings



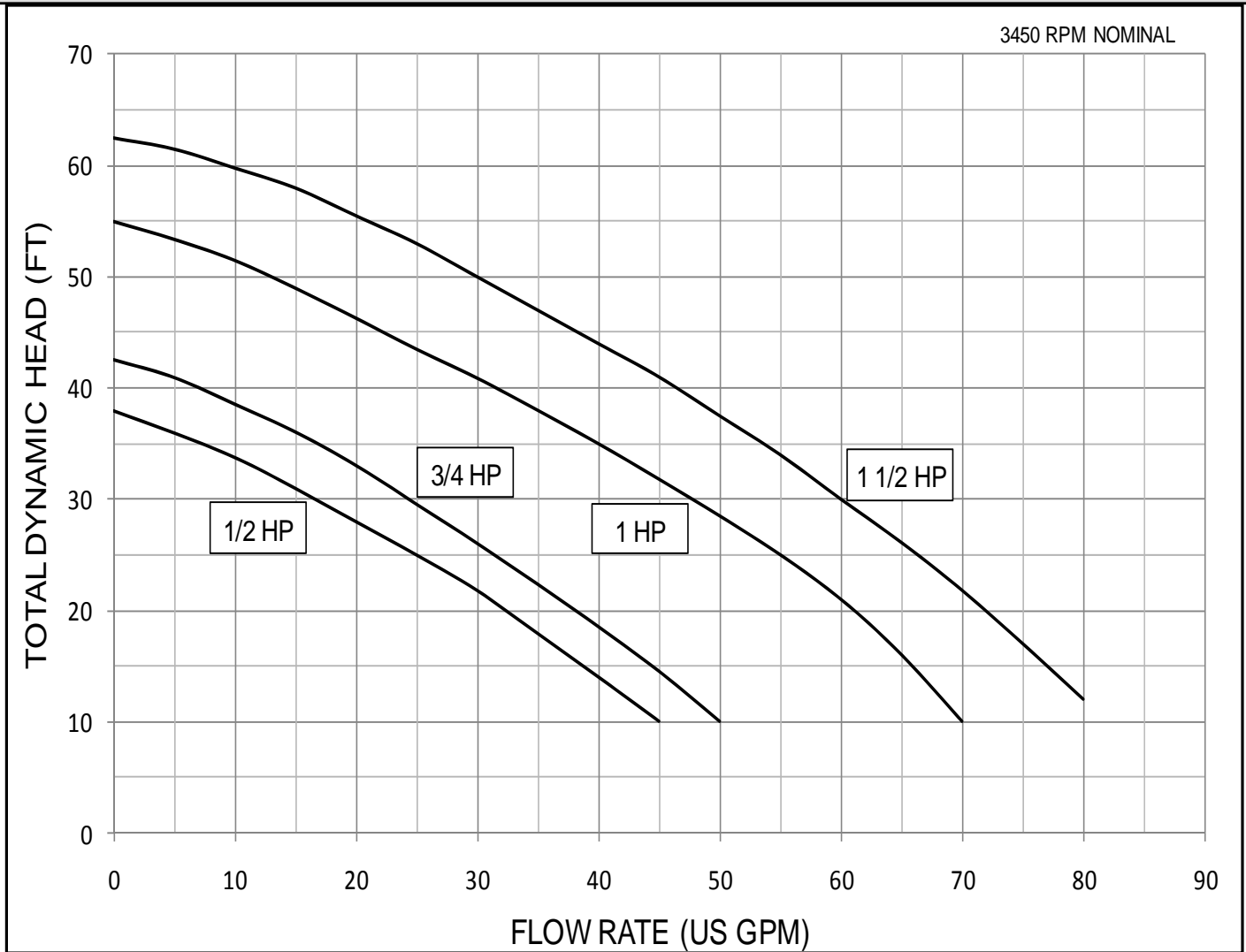
**DIMENSIONS AND TECHNICAL INFORMATION**

	Part Number	Motor HP	Tank Size (gal)	Overall Dimensions <sup>6</sup>												Dry Weight (lbs)		Discharge Connection Size <sup>4</sup>
				Without Double Containment						With Double Containment						Without Double Cont.	With Double Cont.	
				A	B	C	D	E	F	A1	B1	C1	D1	E1	F1			
<b>SIM PLEX</b>	SVPLS-16-005	1/2	16	31	21	15	20	17	21	32	24	16	21	21	25	65	95	1
	SVPLS-16-007	3/4	16	31	21	15	20	17	21	32	24	16	21	21	25	65	95	1
	SVPLS-32-005	1/2	32	31	28	22	20	23	27	32	31	23	21	28	32	80	130	1
	SVPLS-32-007	3/4	32	31	28	22	20	23	27	32	31	23	21	28	32	80	130	1
	SVPLS-32-010	1	32	31	28	22	20	23	27	32	31	23	21	28	32	85	135	1-1/4
	SVPLS-32-015	1 1/2	32	31	28	22	20	23	27	32	31	23	21	28	32	90	140	1-1/4
	SVPLS-56-005	1/2	56	31	33	28	20	29	33	32	36	29	21	34	38	100	165	1
	SVPLS-56-007	3/4	56	31	33	28	20	29	33	32	36	29	21	34	38	100	165	1
	SVPLS-56-010	1	56	31	33	28	20	29	33	32	36	29	21	34	38	105	170	1-1/4
	SVPLS-56-015	1 1/2	56	31	33	28	20	29	33	32	36	29	21	34	38	110	175	1-1/4

<b>DUPLEX</b>	DVPLS-32-005	1/2	32	31	28	22	20	23	27	32	31	23	21	28	32	120	170	1
	DVPLS-32-007	3/4	32	31	28	22	20	23	27	32	31	23	21	28	32	120	170	1
	DVPLS-32-010	1	32	31	28	22	20	23	27	32	31	23	21	28	32	130	180	1-1/4
	DVPLS-32-015	1 1/2	32	31	28	22	20	23	27	32	31	23	21	28	32	140	190	1-1/4
	DVPLS-56-005	1/2	56	31	33	28	20	29	33	32	36	29	21	34	38	140	205	1
	DVPLS-56-007	3/4	56	31	33	28	20	29	33	32	36	29	21	34	38	140	205	1
	DVPLS-56-010	1	56	31	33	28	20	29	33	32	36	29	21	34	38	150	215	1-1/4
	DVPLS-56-015	1 1/2	56	31	33	28	20	29	33	32	36	29	21	34	38	160	225	1-1/4


**Notes:**

1. Remote control panel required – Please visit our website for details.
2. Maximum service temperature for all lift stations: 140 F
3. Standard valve elastomers are Viton. EPDM available upon request.
4. Standard lift station connections are socket and threaded (FNPT). Flanged connections available upon request.
5. Lift stations with valve manifold (VM) option have a 2" common flanged connection. Other connections (socket, threaded) available upon request.
6. Tolerance for dimensions B-F  $\pm 2\%$

**PUMP PERFORMANCE CURVES**

**PUMP MOTOR FULL LOAD AMPS (FLA)**
**VERTICAL PUMP MOTOR FLA**

Voltage	1/2 HP	3/4 HP	1 HP	1 1/2 HP
115 VAC/1/60 Hz	7.4	9.6	11.8	16
208-230 VAC/1/60 Hz	3.7	4.8	5.9	8
208-230 VAC/3/60 Hz	2	2.6	3.6	4.6
460 VAC/3/60 Hz	1	1.3	1.8	2.3