

## FIBERGLASS PUMP LIFT STATIONS (FRPLS)



Shown: 2500 gallon triplex pump lift station with side inlets, CPVC piping, and multiple hatches for equipment and valve access.



Shown: 2000 gallon duplex pump lift station with side inlets, CPVC piping, and inlet basket strainer with guide rail.

Wastech's fiberglass pump lift stations are designed for below grade installations. They are used for pumping large volumes of wastewater and include submersible sump pumps installed on guide rails. Custom configurations are available, call or email Sales for more information.

### Specifications

- Simplex (one pump), duplex (two pumps), or triplex (three pumps) configuration
- Non-Hazardous applications with temperatures up to 180°F
- 316 stainless steel corrosion resistant sump pumps with vortex impellers for solids handling applications
- Level switch assembly or level transmitter for pump ON/OFF control
- Side or top inlet connections
- Remote UL-Listed Control Panel
- Factory-assembled and tested before shipment

### Standard Features

- Cylindrical fiberglass basin with lifting lugs for installation and anti-floatation flange
- Ortho Polyester resin or Vinyl Ester liner for added corrosion resistance
- Slip-resistant aluminum cover rated for pedestrian traffic with access hatches
- Submersible 316 stainless steel sump pump with guide rail, dual Viton mechanical seals, 33 ft PVC jacketed cable, and built-in overload/thermal protection
- Check and isolation valves on the discharge of each pump to prevent backflows and facilitate maintenance
- PVC, CPVC, or stainless steel piping and fittings
- Lockable disconnect for each pump to allow maintenance on one pump while the others are still in service
- NEMA 4 junction box to connect to remote UL-Listed control panel

### Optional Features

- PLC-based control panel
- Pump VFD control
- Fall through protection for hatches
- Fiberglass valve box for discharge piping manifold
- Inlet basket strainer with guide rail mechanism
- Traffic rated aluminum cover
- Double containment
- Explosion proof and intrinsic safe designs for hazardous areas

**ORDERING INFORMATION**

FRPLS	Fiberglass Pump Lift Station												
	Tank Diameter (Choose One or Specify Custom Diameter)												
	-04	4'											
	-06	6'											
	-08	8'											
	-10	10'											
	Tank Depth												
	-XX	Specify Tank Depth in Feet											
		Resin Type (Choose One)											
	-OP	Ortho Polyester (For mild applications up to 140 F)											
	-VE	Vinyl Ester Liner (For added corrosion resistance with extreme pH up to 180 F)											
		Horsepower (Choose One)											
	-005	½ HP											
	-010	1 HP											
	-020	2 HP											
	-030	3 HP											
	-050	5 HP											
	-075	7 ½ HP											
		Pump Configuration (Choose One)											
	-1	Simplex (1 x 100%)											
	-2	Duplex (2 x 100%, N+1)											
	-3	Triplex (3 x 50%, N+1)											
		Control Options (Choose One)											
	-RB	Relay-Based Control Panel (no PLC or HMI)											
	-IM	IDEC PLC with 7" Maple HMI											
	-AM	Allen-Bradley MicroLogix PLC with 7" Maple HMI											
	-AB	Allen-Bradley MicroLogix PLC with 10" PanelView Plus HMI											
	-AX	Allen-Bradley CompactLogix PLC with 10" PanelView Plus HMI											
		Power Requirements (Choose One)											
	-1	115 VAC / 1 / 60 Hz											
	-2A	208 VAC / 1 / 60 Hz											
	-2B	230 VAC / 1 / 60 Hz											
	-3A	208 VAC / 3 / 60 Hz											
	-3B	230 VAC / 3 / 60 Hz											
	-4	460 VAC / 3 / 60 Hz											
		Enclosure Rating (Choose One)											
	-N4	NEMA4 – Powder Coated Carbon Steel											
	-N4XF	NEMA4X – Fiberglass											
	-N4XS	NEMA4X – 304 Stainless Steel											
		Level Control (Choose One)											
	-DL	Discrete											
	-CL	Continuous											
		Discharge Piping Material (Choose One)											
	-PV	PVC Discharge Sch 80 Piping											
	-CP	CPVC Discharge Sch 80 Piping											
	-6S	316 Stainless Steel Sch 40 Piping											
		Inlet Connection (Choose One)											
	-TC	Top Connection											
	-SC-XX"	Side Connection – Specify Height From Top To Centerline In Inches											
		Options (Choose Any)											
	-VM	Valve Manifold (Includes Fiberglass Manifold Box)											
	-HFP	Hatch Fall Protection											
	-BS	Basket Strainer For Filtering Influent Wastewater											
	-TRC	Traffic Rated Cover											
	-VFD	VFD Pump Control											
Example Part Number													
FRPLS	-06	-08	-OP	-020	-2	-AM	-3B	-N4XS	-CL	-CP	-SC-72	-VFD	FRPLS-06-08-OP-020-2-AM-3B-N4XS-CL-CP-SC-72-VFD

**PUMP PERFORMANCE CURVES**

