



W₂
SYSTEMS

LIFT STATIONS

With over 20 years of experience in wastewater treatment, W2 Systems has designed an exceptional line of lift stations with Economy, efficiency, safety and ease of use in mind. We offer a line of high quality Lift Stations that not only work at optimum levels in every situation, but that are simple to operate and easy to service. Not every application is the same, so our line is extensive and every component offers multiple options to make sure that your lift station is perfect for the applications it is used in.

Don't worry about selecting the perfect lift station, our specialists are here to walk you through the process To assure you exceptional quality and exceptional support as well.

If you don't see exactly what you're looking for, we can customize your lift stations to the exact specifications you need.

Lift Stations Include:

- ✓ NEMA Controls
- ✓ Automated Operation
- ✓ Audible and Visual Alarm Signals
- ✓ Remote Alarm Contact
- ✓ Fail-Safe Alarms
- ✓ High Level Alarm
- ✓ Totally Enclosed Tanks
- ✓ 100% Chemical Compatible Designs
- ✓ Multiple Add-Ons
- ✓ Fully Customizable

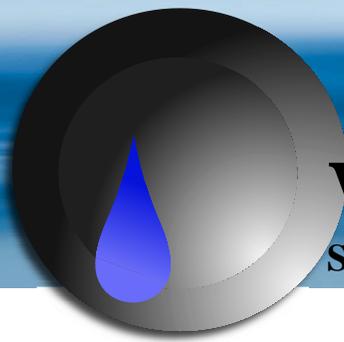
Compatible With:

- ✓ 0-14 pH waste
- ✓ Highly Concentrated Chemicals
- ✓ DI Water
- ✓ Seawater
- ✓ Sludge
- ✓ Hazardous Waste
- ✓ Plant Effluent
- ✓ Sewage
- ✓ Solvents
- ✓ Gasoline
- ✓ And Much more!

Used For:

- ✓ Sink Drains
- ✓ Equalization and Surge Tanks
- ✓ Hazardous Waste Transfer
- ✓ Marine Duty
- ✓ Effluent Pumping
- ✓ Long Distance Fluid Transfer
- ✓ Gravity Drain Lifts
- ✓ Fluid Transfer and Control



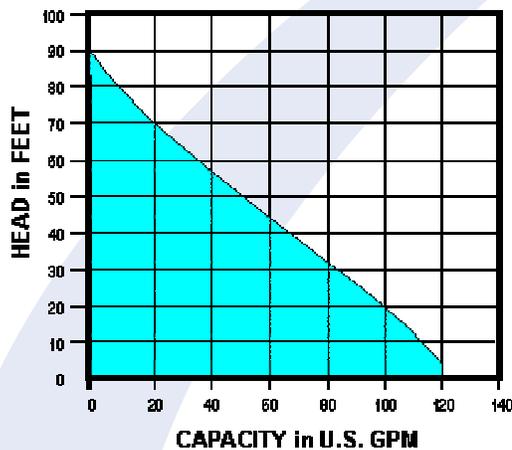
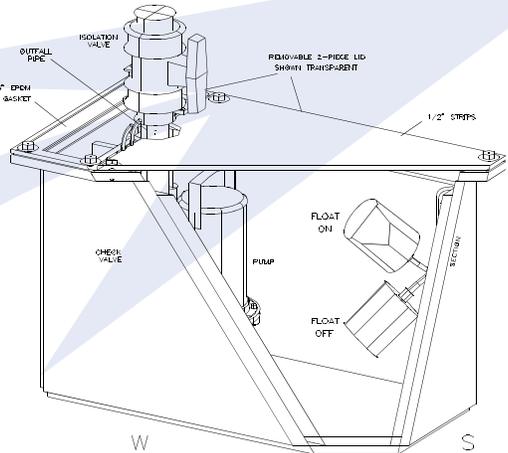


W₂
SYSTEMS

ECONOMY SERIES

The most cost-effective model offered, the ELS Series lift station gets the job done with no frills and high efficiency, these are also the lowest profile lift stations offered.

Controls Panels include alarms and power for directly driven Pumps. All pumps in the ELS Series are 110 volt, 50 Hertz, single phase.



Included

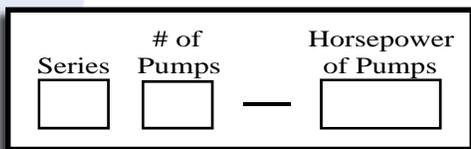
- ✓ Fully Automated
- ✓ Pure Simplicity
- ✓ Low Cost
- ✓ Fully Enclosed
- ✓ Low Profile
- ✓ Audible Alarm
- ✓ Remote Alarm Contact
- ✓ Alarm Lights

OPTIONS

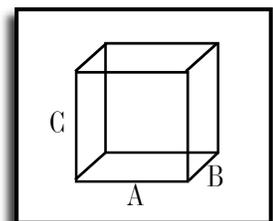
- NEMA 4X Upgrade
- Low Voltage Float Pump Control
- H/O/A Pump Control Upgrade
- Ethernet Communication
- Inter-system communication
- Flow Confirmation Switch
- Remote communication
- Logic Control
- Strobe Alarm
- Flow Totalizer
- View Top
- Bolted Top
- Anchor Feet



MODEL



MODEL	#PUMPS	Horespower	Tanks	A	B	C
ELS1-33	1 Pump	1/3	Secondary	24"	24"	24"
ELSNS1-33	1 Pump	1/3	No Secondary	24"	18"	24"
ELS2-33	2 Pumps	1/3	Secondary	24"	24"	24"
ELSNS2-33	2 Pumps	1/3	No Secondary	24"	18"	24"

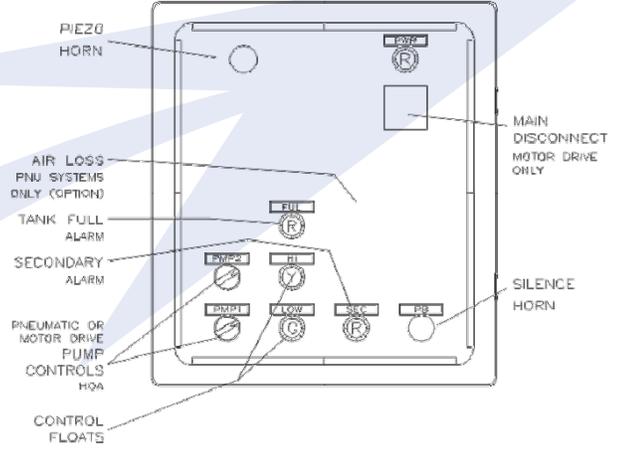




**W₂
SYSTEMS**

POWER SERIES

These lift stations operate using motor protection and PLC control. The activation of the pumps is routed through the control panel; this enables computer (PLC) control and manual control through the control panel as well as alarms. Power series uses 220 volt pumps. These lift stations are great for high flow, high capacity jobs that require more control capability.

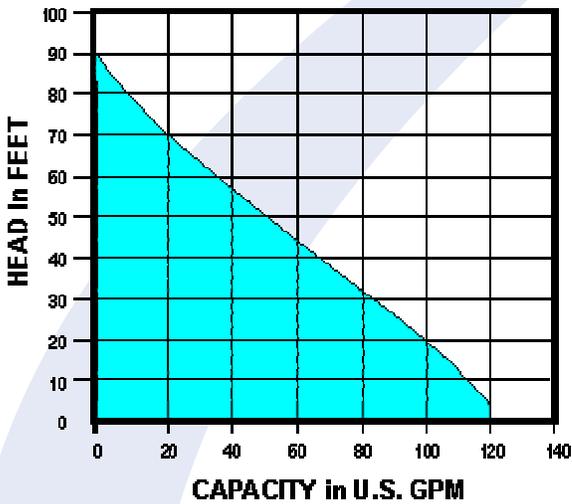
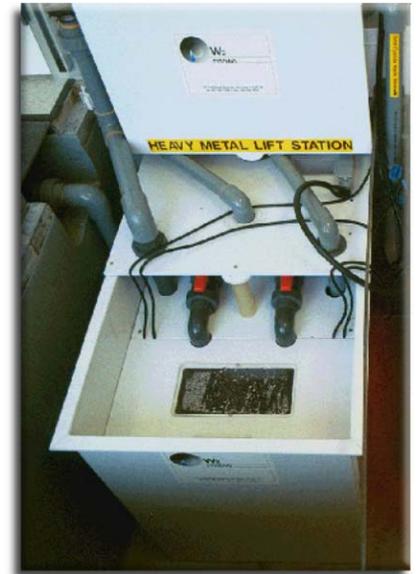


Included

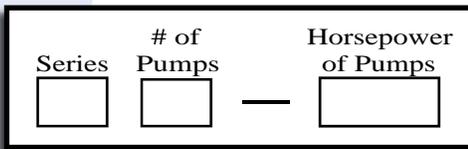
- ✓ PLC Control
- ✓ Remote Alarm Signal
- ✓ HOA Control
- ✓ Fully Automated System
- ✓ Low Voltage Float Control
- ✓ High Capacity Pumps
- ✓ Low profile
- ✓ Fully Enclosed

Options

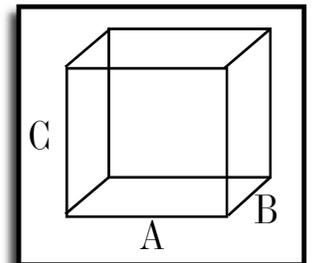
- NEMA 4X Upgrade
- UL Listing
- Specify your PLC of choice
- Ethernet Communication
- Inter-system communication
- Flow Confirmation Switch
- Remote communication
- Strobe Alarm
- Flow Totalizer
- Fully customizable
- View Top
- Bolted Top
- Anchor Feet



MODEL



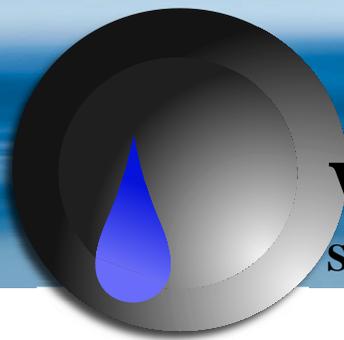
Model	Horsepower	Amps	A	B	C	Gallons
PLS2-50	½ HP	5.4 A	24"	24"	30"	60 gal.
PLS2-75	¾ HP	7.6 A	29"	29"	36"	120 gal.
PLS2-100	1 HP	10.1 A	29"	29"	36"	120 gal.
PLS3-X	**Choose Pumps**		36"	30"	48"	220 gal.



W2 Systems
290 Industrial Way
Brisbane, CA 94005

Office: (415) 468-9858
Fax: (415) 468-9854
W2systems@prodigy.net

www.w2systems.com

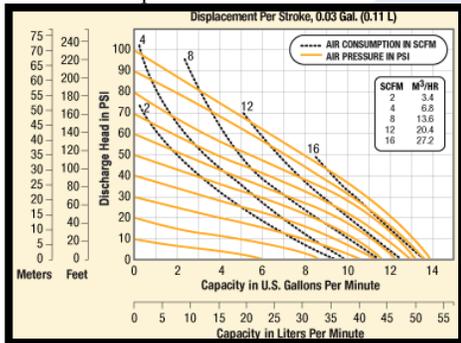


**W₂
SYSTEMS**

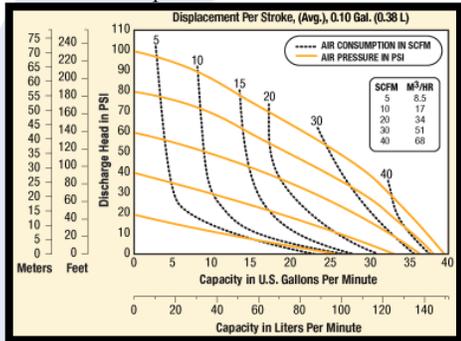
EXOTIC MATERIALS SERIES

Take the danger out of pumping volatile fluids. These lift stations are for the transfer of extremely hazardous chemicals and chemicals that are not compatible with our high performance submersible pumps. In this application, we use high efficiency, air operated, dual diaphragm pumps to allow for higher safety standards and higher compatibility to harsh chemicals. We recommend these lift stations in all solvent applications as well as any application which will include waste of below a pH of 2 or above a pH of 12.5.

50 AOD Pumps



100 AOD Pumps



AOD- Air Diaphragm Pumps

SOL- Solvent Pumps

ELC- Vertical Electric Pumps

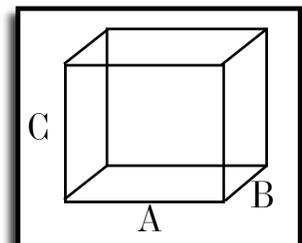
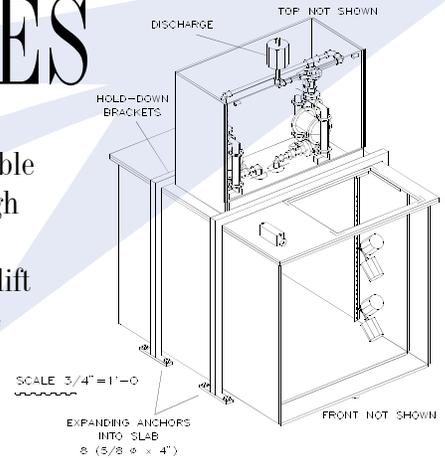
Model	Tank Material	A	B	C	Gallons
XMLS-COM	Polypropylene	30"	24"	24"	55
XMLS-50AOD	Polypropylene	36"	48"	36"	200
XMLS-50SOL	Stainless Steel	36"	48"	36"	200
XMLS-50ELC	Polypropylene	36"	48"	36"	200
XMLS-100AOD	Polypropylene	48"	60"	48"	450
XMLS-100ELC	Polypropylene	48"	60"	48"	450

Included:

- ✓ High Chemical Resistance
- ✓ Dual Pump Design
- ✓ Extremely Safe
- ✓ Totally Enclosed
- ✓ No Wetted Metal parts
- ✓ All low voltage
- ✓ HOA Control
- ✓ Built-In Regulators and solenoid Valves
- ✓ Fully Automated Controls
- ✓ Service Needed Alarms
- ✓ Remote Alarm Contact

Options:

- Computer Logic Control
- Ethernet Com Port
- Inter-system Communication
- Strobe Alarm Light
- Flow Totalizer
- Flow Confirmation Switch
- Clean Room Option
- Fully Customizable!

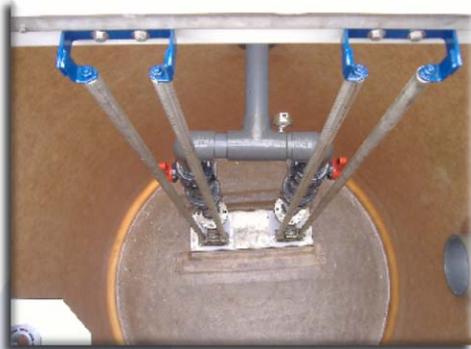
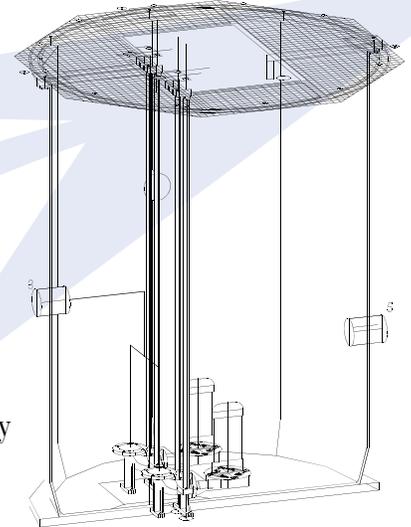




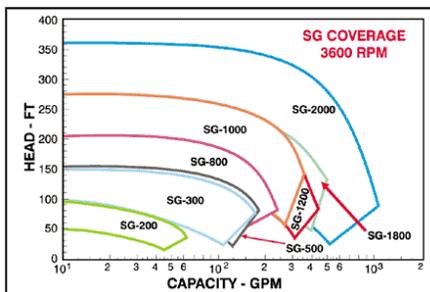
**W₂
SYSTEMS**

Sea Water Transfer Station

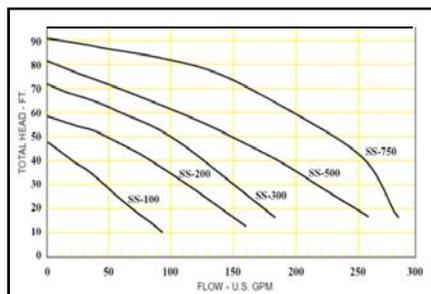
These lift stations are completely seawater compatible, made from all compatible, non-corroding plastic construction, 316 stainless steel and fiberglass reinforced, large capacity tanks. These lift stations will take care of high speed transfer in a tank that has non-corroding parts and an ease of service setup to assure that technicians will be able to take care of these large and extremely heavy pumps. Guide-rail mounted submersible pumps and immersible fiberglass pumps allow for incredible quality, long term usability and ease of service. There are absolutely no parts that are not seawater compatible!



Immersible Pumps



Submersible Pumps



Included:

- ✓ Fully Automated Controls
- ✓ All Stainless Steel wetted metal parts
- ✓ FRP Tank
- ✓ Ultrasonic Level Control
- ✓ Slip Free FRP Tops
- ✓ Pump Access and Mounting
- ✓ Self Lubricating Pumps
- ✓ Corrosion Resistant
- ✓ OK for Underground Installs

Options:

- HazPac* Options for hazardous Materials Pumping
- Customize Pump Curves
- Customize Pump Sizes
- Customize Tank Sizes
- Flow Totalizer
- PH Monitor
- Flow Diversion

MODEL

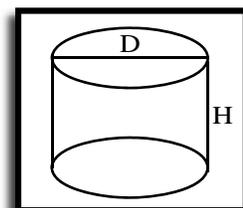
Series	# of Pumps		Horsepower of Pumps
□	□	—	□

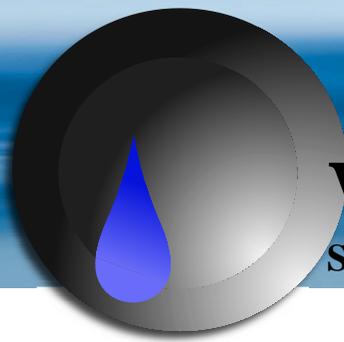
I = Immersible/Vertical Pumps

S = Submersible Pumps

Model	Horsepower	Diameter	Height	Gallons
SW2S-75	7.5	78"	96"	1600
SW2I-50	5	48"	72"	400
SW2I-75	7.5	66"	96"	1100

*The HazPac includes PP primary tank, Vertical pumps, city water rinse, Secondary piping flanges, vent line connection, gasket sealed tanks, tank view port and secondary alarm system.

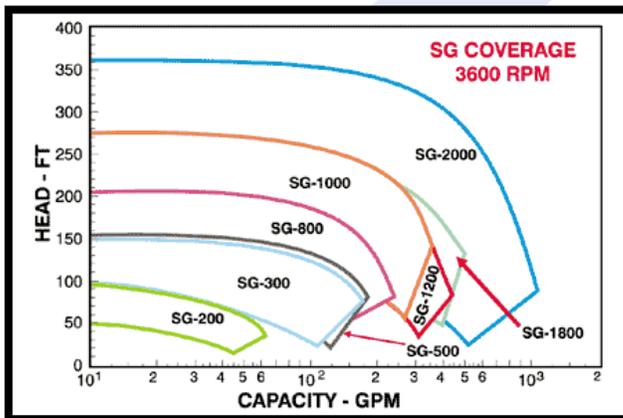
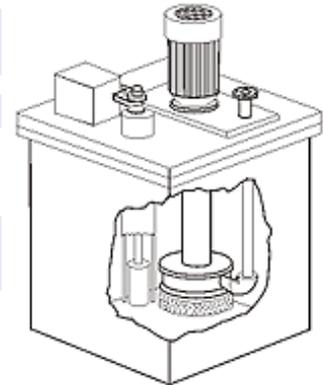




W₂
SYSTEMS

HIGH CAPACITY SERIES

These lift stations are used in High flow and high capacity situations. Whenever flows will be high or when Flow will be intermittent, but come in large lump sums, we recommend these lift stations. These lift stations also work well for high capacity and flow rate surge tanks. These also make great add ons to existing Waste Treatment systems which need to be upgraded to a higher capacity, this is an easy and affordable way to accomplish this.



Included:

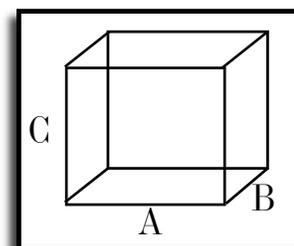
- ✓ Fully Automated Controls
- ✓ High capacity pumps
- ✓ Chemical Compatible Construction
- ✓ Fail-safe design
- ✓ Large Flow Capacity
- ✓ H/O/A Control
- ✓ Audible/Visual Alarm system
- ✓ Remote Alarm Contact
- ✓ Integrated Secondary Contain
- ✓ Fully Enclosed Tanks
- ✓ High alarm
- ✓ Secondary alarm
- ✓ City water shaft lubrication
- ✓ Anchoring Connections



Options:

- PLC Control
- Remote Communication
- Flow Totalizer
- Flow Confirmation Switch
- External Strobe
- Ethernet Communication
- Lead/Lag Control
- Seismic calculations
- Steel Skid mounting
- Fully Customizable

Model	Horsepower	A	B	C	Gallons
HCLS2-400	5	48"	48"	60"	400 gal.
HCLS2-800	7.5	60"	60"	60"	800 gal.
HCLS2-1000	7.5	60"	60"	96"	1,000 gal.



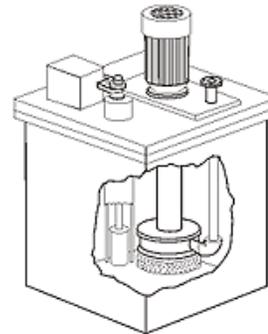
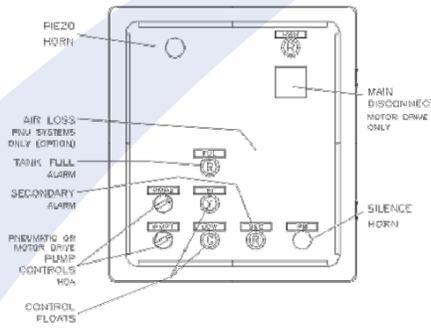


W₂
SYSTEMS

CUSTOM LIFT STATIONS

W2 Systems also offers custom engineering and design of lift stations. With over 20 years of experience in the industry, W2 Systems understands the optimum design and peak functionality for every lift station, in every application. If what your specification asks for is not in this catalogue, don't worry, we will custom engineer for your specific application. Just choose from the options below and we will build it.

Check what you want and fill in the blanks. Not to worry, if you don't know, just ask one of our highly qualified technicians.



Pumps:

- Electric Submersible, # ____
- Electric Immersible/Vertical, # ____
- Air Operated Diaphragm, # ____

Tanks:

- Primary gallons _____
- Material of Construction (other than PP) _____
- Secondary Containment
- Maximum Size of Lift Station W ____ xL ____ xH ____
- Sealed, gasketed and vented
- Bolted Cover
- View Window
- Skid Mounted
- Seismic Calculations
- Comments: _____

Controls:

- Basic, direct driven controls (110V only)
- PVDF Vertical Level Control
- Ultrasonic Level Control
- PLC Control
- H/O/A Pump Control
- Lead/Lag
- Flow Confirmation Switch
- Digital Flow Totalizer
- Extra Remote Contacts, # ____
- Ethernet Communication
- External Strobe Light, #stacks ____
- Nema 4X Controls
- UL Listing
- Outdoor Awning
- Comments: _____

Standard Custom Lift Station tanks are Polypropylene construction. All lift stations come with a submittal package including drawings and all specifications. O&M Manuals are included and have a detailed parts list and service schedule.

W2 Systems
290 Industrial Way
Brisbane, CA 94005

Office: (415) 468-9858
Fax: (415) 468-9854
W2systems@prodigy.net

www.w2systems.com