

## SOLVENT PUMP LIFT STATIONS (SPLS)



Shown: Duplex 1/2" Pumps with 32 gallon double contained tank and 2" top connection. (DSPLS-32-005-TC-DC)



Shown: Simplex 1/2" Pump with 5 gallon tank, top connection with flexible cable connection to the control panel. (SSPLS-05-005-TC)



Shown: Custom duplex lift station featuring double containment with leak detection and a custom dual door enclosure.

Wastech standard stainless solvent pump lift stations are designed to safely and efficiently transfer solvents and other flammables when a gravity drain is not possible. Lift stations use one or two stainless steel pumps and are controlled by Wastech industrial AOD pump control panels (IAPCP). Custom configurations are available, call or email Sales for more information

- Simplex (one pump) or duplex (two pumps) configuration
- Lift station rated for Class 1 Division 1 hazardous environments
- Lift station rated for transfer and storage of Group D solvents
- Corrosion resistant 316 stainless steel tank
- Corrosion resistant 316 stainless steel piping and valves
- Intrinsically safe multipoint level switch assembly
- All pump lift stations include a high-high level switch to activate a high level alarm.
- Lift stations require Wastech industrial IAPCP control panels (or equivalent)

### Standard Features

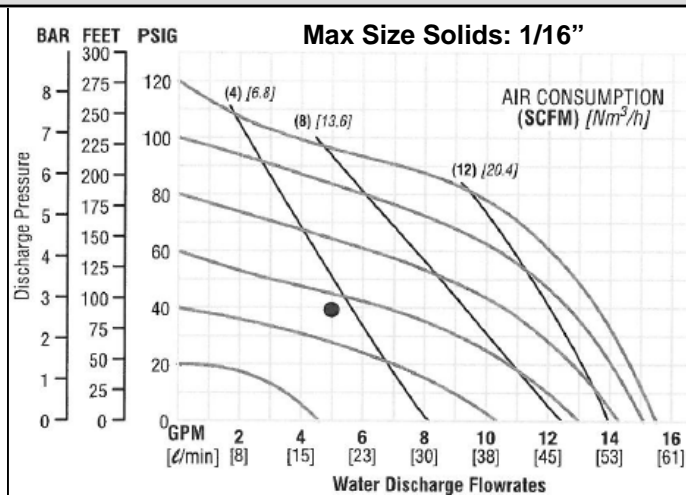
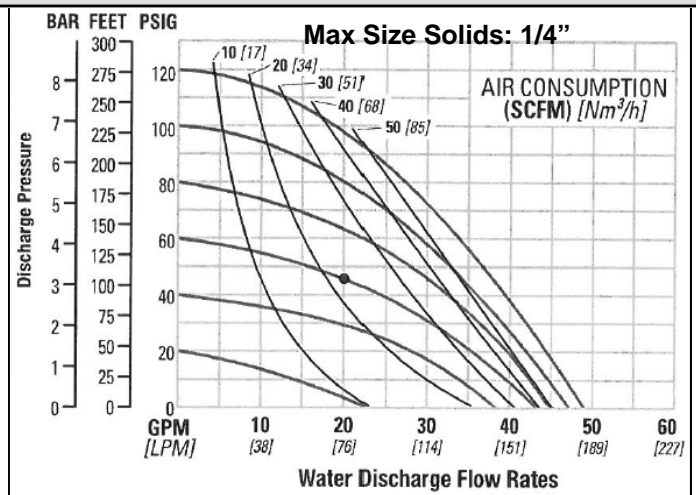
- Fabricated 316 stainless steel tank (5, 15, 30, 60, and 100 gallon tanks standard, custom sizes available)
- 316 Stainless steel lid
- 316 stainless steel piping and valves
- One or two pumps—Air operated 316 stainless steel ATEX-rated double-diaphragm style (Teflon Diaphragm)
- 2" FNPT top mount inlet connection (1" for 5 gallon tank)
- 2" FNPT top mount vent connection (1" for 5 gallon tank)
- Hatch for maintenance access
- 316 Stainless steel intrinsically safe multipoint float level switch assembly
- Seismic tie-downs
- Grounding lug

### Optional Features

- Fabricated 316 stainless steel double containment tank with float leak switch
- Side inlet connection
- Pressure relief valve downstream of the pumps to prevent system piping overpressure
- Pulsation dampener with Teflon Diaphragm on discharge line (simplex) or on common discharge line (duplex)

**ORDERING INFORMATION**

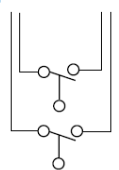
Number of Pumps (Choose One)					
SSPLS	Simplex Solvent Pump Lift Station				
DSPLS	Duplex Solvent Pump Lift Station				
Tank Volume (Choose One)					
-05	5 Gallon Fabricated Stainless Steel Tank – Simplex Configuration Only with ½" Pump				
-15	15 Gallon Fabricated Stainless Steel Tank – Simplex Configuration Only				
-30	30 Gallon Fabricated Stainless Steel Tank				
-60	60 Gallon Fabricated Stainless Steel Tank				
-100	100 Gallon Fabricated Stainless Steel Tank				
Pump Size (Choose One)					
-005	1/2" Connection				
-010	1" Connection				
Inlet Connection (Choose One)					
-TC	Top Connection (1" FNPT for 5 Gallon Tank, 2" for all others)				
-SC-XX"	Side Connection (2" FNPT) – Specify Height From Bottom To Centerline				
Options (Choose Any)					
-PD	Pulsation Dampener w/PTFE Diaphragm				
-DC	Double Containment With Float Leak Switch				
Example Part Number					
SSPLS	-05	-005	-TC	-DC	SSPLS-05-005-TC-DC
DSPLS	-30	-010	-SC-06"	-PD	DSPLS-30-010-SC-06 -PD

**PUMP PERFORMANCE CURVES**

**1/2" Pump Performance Curve**

**1" Pump Performance Curve**
**LEVEL SWITCH TECHNICAL INFORMATION**
**Approvals**

FM (Factory Mutual) Class I, Div 1, Grps A,B,C & D  
 Class II, Grps E,F & G  
 Class III, T4



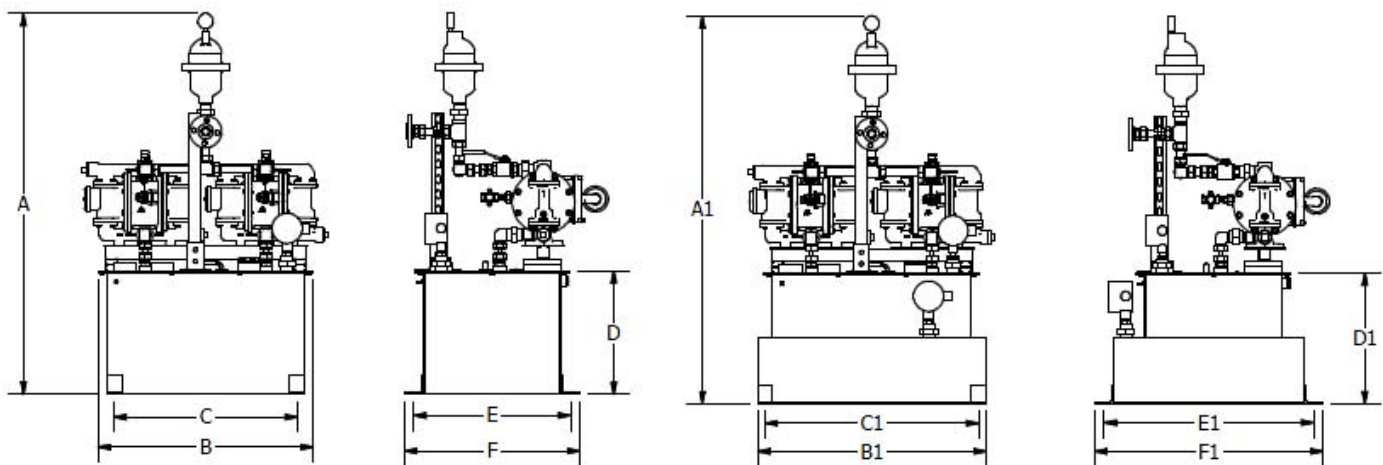
Wiring Options	Group 2 SPST	
Common Wire	None	
	NO or NC	
L1	Red	Red
L2	Yellow	Yellow
L3	Blue	Blue
L4	Brown	Brown

**Group 2 SPST Independent Circuits**


**DIMENSIONS AND TECHNICAL INFORMATION**

	Part Number	Pump Size	Tank Size (gal)	Overall Dimensions <sup>5</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
SM PLEX	SSPLS -05-005	½"	5	27	14	9	11	14	16	28	15	13	12	21	23	70	105	½"
	SSPLS -05-005-PD	½"	5	37	14	9	11	14	16	38	15	13	12	21	23	75	110	½"
	SSPLS -15-005	½"	15	32	18	14	16	19	21	33	20	18	17	26	28	100	145	½"
	SSPLS -15-005-PD	½"	15	42	18	14	16	19	21	43	20	18	17	26	28	105	150	½"
	SSPLS -15-010	1"	15	32	18	14	16	19	21	33	20	18	17	26	28	135	180	1"
	SSPLS -15-010-PD	1"	15	48	18	14	16	19	21	49	20	18	17	26	28	140	185	1"
	SSPLS -30-005	½"	30	35	28	24	16	21	23	36	30	28	17	28	30	130	195	½"
	SSPLS -30-005-PD	½"	30	45	28	24	16	21	23	46	30	28	17	28	30	135	200	½"
	SSPLS -30-010	1"	30	38	28	24	16	21	23	38	30	28	17	28	30	175	240	1"
	SSPLS -30-010-PD	1"	30	50	28	24	16	21	23	51	30	28	17	28	30	180	245	1"
	SSPLS -60-005	½"	60	43	28	24	24	27	29	44	30	28	25	34	36	175	240	½"
	SSPLS -60-005-PD	½"	60	53	28	24	24	27	29	54	30	28	25	34	36	180	245	½"
	SSPLS -60-010	1"	60	45	28	24	24	27	29	46	30	28	25	34	36	220	285	1"
	SSPLS -60-010-PD	1"	60	58	28	24	24	27	29	59	30	28	25	34	36	225	290	1"
	SSPLS -100-005	½"	100	43	38	34	24	33	35	44	40	38	25	40	42	275	460	½"
	SSPLS -100-005-PD	½"	100	53	38	34	24	33	35	54	40	38	25	40	42	280	465	½"
SSPLS -100-010	1"	100	45	38	34	24	33	35	46	40	38	25	40	42	320	505	1"	
SSPLS -100-010-PD	1"	100	58	38	34	24	33	35	59	40	38	25	40	42	325	510	1"	

DUPLEX	DSPLS -30-005	½"	30	35	28	24	16	21	23	36	30	28	17	28	30	150	215	½"
	DSPLS -30-005-PD	½"	30	45	28	24	16	21	23	46	30	28	17	28	30	155	220	½"
	DSPLS -30-010	1"	30	38	28	24	16	21	23	38	30	28	17	28	30	230	285	1"
	DSPLS -30-010-PD	1"	30	50	28	24	16	21	23	51	30	28	17	28	30	235	290	1"
	DSPLS -60-005	½"	60	43	28	24	24	27	29	44	30	28	25	34	36	195	300	½"
	DSPLS -60-005-PD	½"	60	53	28	24	24	27	29	54	30	28	25	34	36	200	305	½"
	DSPLS -60-010	1"	60	45	28	24	24	27	29	46	30	28	25	34	36	275	380	1"
	DSPLS -60-010-PD	1"	60	58	28	24	24	27	29	59	30	28	25	34	36	280	385	1"
	DSPLS -100-005	½"	100	43	38	34	24	33	35	44	40	38	25	40	42	295	480	½"
	DSPLS -100-005-PD	½"	100	53	38	34	24	33	35	54	40	38	25	40	42	300	485	½"
	DSPLS -100-010	1"	100	45	38	34	24	33	35	46	40	38	25	40	42	375	560	1"
	DSPLS -100-010-PD	1"	100	58	38	34	24	33	35	59	40	38	25	40	42	380	565	1"


**Notes:**

1. Remote control panel required – Please visit our website for details.
2. Maximum service temperature for all lift stations: 200 F
3. Standard valve elastomers are PTFE.
4. Standard lift station Inlets/vents are threaded (FNPT). Standard lift station discharge is a Flanged connection.
5. Tolerance for dimensions B-F ± 2%