Elevator Sump Pumps, Detection System, and Alarms

Elevator Sump Pump with Oil Sensor—Pumps drain water from elevator sump pits and transformer vaults. They have an oil detector that identifies when oil is present. The pump operates when water is present and stops when oil is sensed. This prevents the pumping of oil into groundwater or sewage systems.

Oil Detection System and Alarms—Oil detection systems provide pump control and alarm notifications for potentially threatening water and oil levels in pumping applications. The oil switch senses oil and prevents it from being pumped into the environment. Pump not included.

2WML9

2NRX1

HP	Switch Actuation	Switch Type	Flow Rate @ 10 Ft. of Head	Min. Sump Pit Dia.	Cord Length	Max. Liquid Temp.	Brand	Item No.
Elevator Sump Pump with Oil Sensor								
115V AC								
3/10	Sensor	Piggyback	34 gpm	18 in	15 ft.	130 °F	Zoeller	**5CZF7**
1/3	Sensor	Sensor	37 gpm	14 in	10 ft.	140 °F	Liberty Pumps	**2WML9**
4/10	Sensor	Piggyback	61 gpm	18 in	20 ft.	130 °F	Zoeller	**5CZF8**
1/2	Sensor	Sensor	55 gpm	14 in	10 ft.	140 °F	Liberty Pumps	**2WMN1**
230V AC								
1/2	Sensor	Sensor	55 gpm	14 in	10 ft.	140 °F	Liberty Pumps	**2WMN2**

Voltage	Alarm	Switch Type	Max. HP	Power Cord Length (ft.)	Sensor Cord Length (ft.)	Max. Temp. (°F)	Brand	Item No.
Oil Detection System and Pump Control								
120 V AC	Audio/Visual	—	—	10 ft	10 ft	130 °F	SJE-Rhombus	**36K473**
Oil Guard System and Alarm								
115 V	Audio 71 dB/Visual	Piggyback	3/4 hp	8 ft	20 ft	130 °F	Zoeller	**2NRX1**
Oiltector(R) Pump Control and Alarm								
115 V	Audio/Visual	Piggyback	1 hp	—	—	130 °F	Liberty Pumps	**2WMN3**
230 V	Audio/Visual	Piggyback	2 hp	—	—	130 °F	Liberty Pumps	**2WMN4**

Effluent Pumps

Use to drain treated water from septic tanks and most can drain water containing small solids. Pumps have high heads (the height a pump can lift water before there is no more flow) and high pressure, compared to sewage ejector pumps, to efficiently push treated water out to a drain field.

Note: Float switches and control panels sold separately.

1-Phase—Compatible with most standard U.S. residential electrical wall outlets.

3-Phase—Feature three-phase pumps that are more efficient than one phase, and they use a higher voltage that allows for larger motors that require less current than lower-voltage motors. Require control panel, see page 2512.

High-Head Filtered—Feature permanent split capacitor (PSC) motors with stainless steel shafts and hardware, long-life mechanical seals, and ball bearings. Design helps prevent problems with lockup, abrasives, and running dry. For use in wastewater treatment, liquid transfer, dewatering, and flood control in commercial and industrial systems. 2EHP2 to 2EHP4 have a removable built-in check valve.

Goulds 2NUZ4

Dayton 2JGA3

Barnes 24PK71

Dayton 3BB85

Little Giant 24WN40

Dayton 4HU78

Zoeller 2VJ61

Little Giant 2EHP4

HP	Nominal Voltage (V AC)	Amps	Switch Actuation	Discharge	H	Dia.	Min. Sump Pit Dia.	Cord Length	Body Material*	Impeller Material*	Max. Liquid Temp.	Flow Rate @ Ft. of Head (GPM) 10	20	40	60	Max. Head (ft.)	Max. Dia. Solids	Brand	Mfr. Model	Item No.
1-Phase																				
1/3	110	9.16	Tether Float	2 in MNPT	16 3/4"	6 1/2"	18 in	20 ft	SS	SS	130 °F	68 gpm	43 gpm	—	—	28 ft	1 1/2 in	Dayton	4HDZ8	**4HDZ8**
	110	10.7	No Switch Incl.	2 in FNPT	16"	11 1/2"	18 in	20 ft	CI	CI	140 °F	65 gpm	33 gpm	—	—	29 ft	3/4 in	Goulds	WE0311M	**2NUZ6**
	110	10.7	No Switch Incl.	2 in FNPT	16"	11 3/4"	18 in	20 ft	CI	CI	140 °F	70 gpm	27 gpm	—	—	26 ft	3/4 in	Goulds	WE0311L	**2NUZ4**
4/10	110	8.5	No Switch Incl.	1 1/2 in FNPT	12 1/8"	10 3/32"	18 in	20 ft	CI	TPL	130 °F	61 gpm	44 gpm	—	—	38 ft	3/4 in	Zoeller	N152	**5CZG2**
	110	11	Tether Float	2 in MNPT	16 3/4"	6 1/2"	18 in	20 ft	SS	SS	130 °F	70 gpm	52 gpm	—	—	32 ft	1 1/2 in	Dayton	2JGA2	**2JGA2**
	110	6.4	No Switch Incl.	2 in	14 1/16"	9 3/8"	18 in	20 ft	CI	CI	77 °F	45 gpm	37 gpm	10 gpm	—	45 ft	3/4 in	Dayton	4HU70	**4HU70**
	110	9.4	No Switch Incl.	1 1/2 in	13"	9"	18 in	20 ft	CI	CI	104 °F	78 gpm	52 gpm	—	—	31 ft	3/4 in	Dayton	4HU71	**4HU71**
	110	9.4	Tether Float	1 1/2 in	13"	9 1/8"	18 in	20 ft	CI	CI	104 °F	78 gpm	52 gpm	—	—	31 ft	3/4 in	Dayton	4HU73	**4HU73**
	110	10.5	No Switch Incl.	1 1/2 in FNPT	12 1/8"	10 3/32"	18 in	20 ft	CI	TPL	130 °F	70 gpm	52 gpm	11 gpm	—	44 ft	3/4 in	Zoeller	N153	**5CZG3**
	110	11.4	No Switch Incl.	2 in	17 9/16"	13 7/16"	18 in	20 ft	CI	PP	104 °F	92 gpm	76 gpm	20 gpm	—	49 ft	3/4 in	Dayton	4LE10	**4LE10**
	110	11.7	Tether Float	2 in MNPT	16 3/4"	6 1/2"	18 in	20 ft	SS	SS	130 °F	85 gpm	64 gpm	—	—	36 ft	1 1/2 in	Dayton	2JGA3	**2JGA3**
	110	11.9	No Switch Incl.	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	76 gpm	66 gpm	47 gpm	25 gpm	79 ft	3/4 in	Dayton	4HU75	**4HU75**
	110	11.9	Tether Float	2 in	16 3/4"	12 1/4"	18 in	20 ft	CI	PP	104 °F	76 gpm	66 gpm	47 gpm	25 gpm	79 ft	3/4 in	Dayton	3BB83	**3BB83**
1/2	110	14.5	No Switch Incl.	2 in FNPT	16"	11 3/4"	18 in	20 ft	CI	CI	140 °F	58 gpm	50 gpm	30 gpm	2 gpm	61 ft	3/4 in	Goulds	WE0511HH	**2NVC1**
	110	14.5	No Switch Incl.	2 in FNPT	16"	11 3/4"	18 in	20 ft	CI	CI	140 °F	78 gpm	60 gpm	10 gpm	—	46 ft	3/4 in	Goulds	WE0511H	**2NUZ8**
	110	15	Tether Float	2 in NPT	13 3/4"	12 1/4"	18 in	20 ft	CI	CI	120 °F	115 gpm	98 gpm	57 gpm	—	63 ft	3/4 in	Little Giant	620219	**5EAF4**
	110	15.5	No Switch Incl.	1 1/2 in FNPT	19 5/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	93 gpm	78 gpm	45 gpm	—	56 ft	3/4 in	Zoeller	N161	**4NW04**
	110	15.5	Vertical Float	1 1/2 in FNPT	19 5/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	93 gpm	79 gpm	45 gpm	—	56 ft	3/4 in	Zoeller	M161	**6JGW7**
	220	4.3	Tether Float	1 1/2 in	13"	9 1/8"	18 in	20 ft	CI	CI	104 °F	78 gpm	52 gpm	—	—	31 ft	3/4 in	Dayton	4HU74	**4HU74**
	220	4.7	No Switch Incl.	1 1/2 in FNPT	12"	10 1/8"	18 in	15 ft	CI	TPL	130 °F	61 gpm	25 gpm	—	—	23 ft	1/2 in	Zoeller	E98	**4NW39**
	220	5.1	No Switch Incl.	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	76 gpm	66 gpm	47 gpm	25 gpm	79 ft	3/4 in	Dayton	4HU76	**4HU76**
	220	5.1	No Switch Incl.	2 in FNPT	18 20/64"	12-4/25"		20 ft	CI	PP, SS	104 °F	75 gpm	67 gpm	48 gpm	25 gpm	70 ft	3/4 in	Barnes	STEP522DS	**24PK71**
3/4	220	10	No Switch Incl.	2 in FNPT	16"	11 3/4"	18 in	20 ft	CI	CI	140 °F	93 gpm	83 gpm	45 gpm	10 gpm	67 ft	3/4 in	Goulds	WE0712H	**2NVC3**
	208, 220	13.3	Tether Float	2 in NPT	13 3/4"	12 1/4"	18 in	20 ft	CI	CI	120 °F	115 gpm	140 gpm	115 gpm	76 gpm	90 ft	3/4 in	Little Giant	620223	**5EAF5**
	220	8.3	No Switch Incl.	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	85 gpm	80 gpm	68 gpm	52 gpm	109 ft	3/4 in	Dayton	4HU77	**4HU77**
1	220	8.3	No Switch Incl.	2 in FNPT	18 20/64"	12-4/25"		20 ft	CI	PP, SS	104 °F	84 gpm	80 gpm	48 gpm	52 gpm	100 ft	3/4 in	Barnes	STEP1022DS	**24PK72**
	220	8.3	Tether Float	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	85 gpm	80 gpm	68 gpm	52 gpm	109 ft	3/4 in	Dayton	3BB85	**3BB85**
	220	9	No Switch Incl.	2 in FNPT	16 33/32"	9 57/64"	18 in	20 ft	CI	CI	140 °F	—	—	70 gpm	30 gpm	81 ft	3/4 in	Little Giant	514520	**24WN40**
	220	10.2	Vertical Float	1 1/2 in FNPT	19 5/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	61 gpm	60 gpm	55 gpm	39 gpm	86 ft	3/4 in	Zoeller	D165	**6JGW8**
1 1/2	220	14	No Switch Incl.	1 1/2 in FNPT	19 5/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	140 gpm	128 gpm	103 gpm	71 gpm	91 ft	3/4 in	Zoeller	E188	**2VJ62**
	220	15.7	No Switch Incl.	2 in FNPT	16"	11 3/4"	18 in	20 ft	CI	CI	140 °F	94 gpm	90 gpm	77 gpm	63 gpm	128 ft	3/4 in	Goulds	WE1512HH	**2NVC5**
2	220	10.9	No Switch Incl.	2 in	17 5/16"	13 7/16"	18 in	20 ft	CI	PP	104 °F	—	—	100 gpm	62 gpm	86 ft	3/4 in	Dayton	4LE14	**4LE14**
	220	14.5	No Switch Incl.	1 1/2 in FNPT	19 5/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	45 gpm	45 gpm	45 gpm	45 gpm	137 ft	3/4 in	Zoeller	E191	**4NW20**
3-Phase																				
1	220	5.6	No Switch Incl.	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	85 gpm	80 gpm	68 gpm	52 gpm	109 ft	3/4 in	Dayton	3BB86	**3BB86**
	480	2.8	No Switch Incl.	2 in	16 3/4"	12 3/16"	18 in	20 ft	CI	PP	104 °F	85 gpm	80 gpm	68 gpm	52 gpm	109 ft	3/4 in	Dayton	4HU78	**4HU78**
1 1/2	220	8.9	No Switch Incl.	1 1/2 in FNPT	18 1/2"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	140 gpm	128 gpm	103 gpm	71 gpm	91 ft	3/4 in	Zoeller	F188	**2VJ65**
	480	4.6	No Switch Incl.	1 1/2 in FNPT	18 1/2"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	140 gpm	128 gpm	103 gpm	71 gpm	91 ft	3/4 in	Zoeller	G188	**2VJ61**
2	480	6	No Switch Incl.	1 1/2 in FNPT	18 9/16"	12 3/4"	24 in	20 ft	CI	BZ	130 °F	140 gpm	130 gpm	109 gpm	85 gpm	110 ft	3/4 in	Zoeller	G189	**4NW19**
	480	7.00/3.50	No Switch Incl.	2 in	17 9/16"	13 7/16"	18 in	20 ft	CI	PP	104 °F	—	—	100 gpm	62 gpm	86 ft	3/4 in	Dayton	4LE13	**4LE13**

HP	Nominal Voltage	Amps	Switch Actuation	Discharge	H	Dia.	Min. Sump Pit Dia.	Cord Length	Body Material*	Impeller Material*	Max. Liquid Temp.	Flow Rate @ Ft. of Head (GPM) 60	80	100	Max. Head (ft.)	Max. Diameter Solids	Brand	Mfr. Model	Item No.
High-Head Filtered Effluent Pumps																			
1-Phase																			
1/2	110V AC	11	No Switch Incl.	1 1/4 in FNPT	22 1/2"	4"	4"	10 ft	SS	A	86 °F	14 gpm	13 gpm	11.5	230 ft	1/16 in	Dayton	4NY25	**4NY25**
	110V AC	10	No Switch Incl.	1 1/4 in FNPT	31"	4"	—	10 ft	SS	C	104 °F	14 gpm	13 gpm	13 gpm	250 ft	Clear Water	Little Giant	558910	**2EHP2**
	110V AC	10	No Switch Incl.	1 1/4 in FNPT	31"	4"	—	10 ft	SS	C	104 °F	22 gpm	18 gpm	20 gpm	160 ft	Clear Water	Little Giant	558911	**2EHP3**
	110V AC	10	No Switch Incl.	1 1/4 in FNPT	31"	4"	—	10 ft	SS	C	104 °F	28 gpm	23 gpm	14 gpm	115 ft	Clear Water	Little Giant	558912	**2EHP4**

**** A = acetal, BZ = bronze, C = Celcon, CI = cast iron, PP = polypropylene, SS = stainless steel, TPL = thermoplastic.***