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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

SWITCH-MATE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH (VLFS)

<ul style="list-style-type: none"> Converts nonautomatic pump to automatic pump. Simple installation. Adjustable/Variable level. Standard 15' and 20' SJOW CPE cord with molded plug. 10-0055 and 10-0065 - 10' cord standard. Float is constructed of durable PVC/polypropylene encasing variable level switch. Standard - normally open (NO) ("pumps down"). Optional - Normally closed available (NC) ("pumps up"). Consult Factory. Maximum operating temperature for 10-0748 - 120 °F (49 °C). All other switches - 140 °F (60 °C). 	<ul style="list-style-type: none"> Float is omnidirectional (no "UP" side). Includes mounting clamp. Designed for EFFLUENT, SEWAGE and DEWATERING applications. Variable level float switch, for use in 18" minimum diameter basins. 10-0748 - 25' cord standard, no molded plug. Can be used as a control switch to operate an external magnetic or combination starter on three phase pumps. Vertical piggyback float switch. Ideal for narrow diameter basins. 6-1/2" maximum cycle range. Use recommendation chart for switch selection.
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SINGLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

13 Amp Maximum	15 Amp Maximum	20 Amp Maximum
Normally Open (NO)	Normally Open (NO)	Normally Open (NO)
10-0055 - 115V - 10'	10-0032 - 115V - 15'	10-0748 - 115V/230V - 25'
10-0034 - 115V - 15'	10-0033 - 230V - 15'	
10-0035 - 230V - 15'	10-0705 - 115V - 20'	
10-0063 - 115V - 20'	10-0559 - 230V - 20'	
10-0706 - 230V - 20'		
Normally Closed (NC)	Normally Closed (NC)	
10-0065 - 115V - 10'	10-0064 - 115V - 15'	
10-0037 - 115V - 15'		
10-0062 - 230V - 15'		



Note: All variable level float switches in this section are mechanically activated and do not contain mercury.



SINGLE PIGGYBACK VERTICAL FLOAT SWITCH	DOUBLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH
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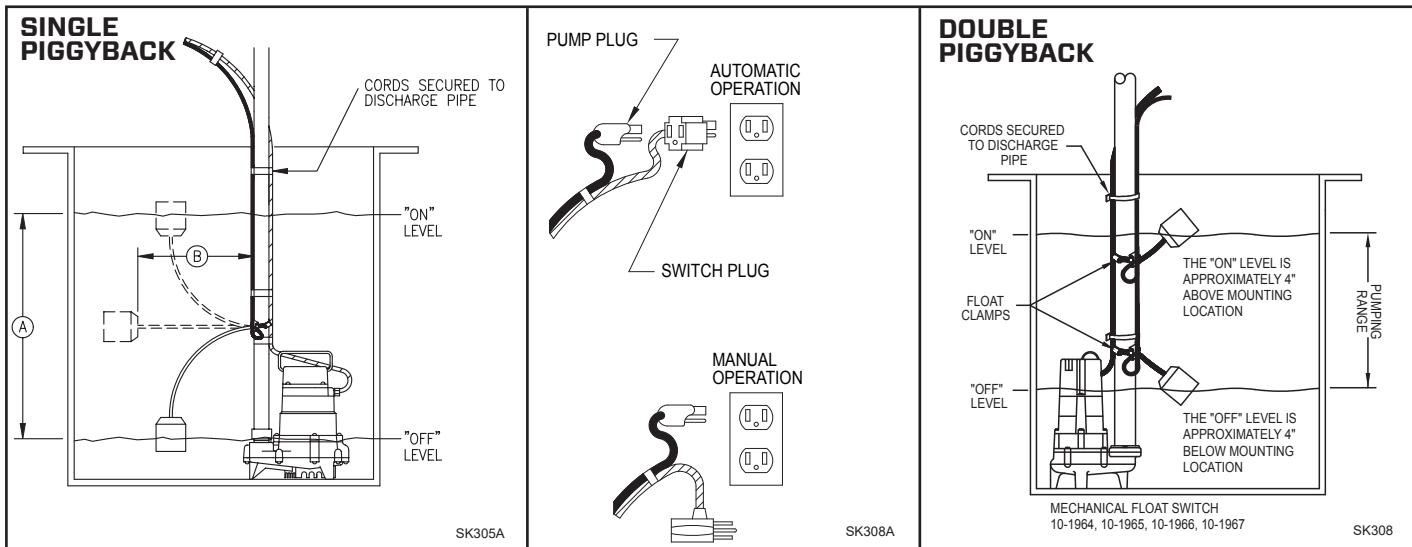
13 Amp Maximum
Normally Open (NO)
Vertical
10-2041 - 115V - 10'
10-2042 - 115V - 15'
10-2043 - 115V - 20'

DOUBLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

Mechanical
10-1964 - 115V - 15 Amp - 15'
10-1965 - 230V - 15 Amp - 15'



TYPICAL INSTALLATIONS



PIGGYBACK VARIABLE LEVEL FLOAT SWITCH RECOMMENDATIONS FOR ZOELLER COMPANY PUMPS

SWITCH MODEL NO.	SWITCH SPECIFICATIONS	PUMPING RANGE	USE WITH ZOELLER PUMP MODEL NUMBERS
10-0055	10' Cord, Single Piggyback 115V, 1 PH, 13A	6" Min. 36" Max.	"N" Models - 53, 55, 57, 59, 98, 137, 139, 140, 151, 152, 153, 264, 266, 267, 282, 803, 805 & 807 (See Note 2).
10-0034	15' Cord, Single Piggyback 115V, 1 PH, 13A Max.		
10-0063	20' Cord, Single Piggyback 115V, 1 PH, 13A		
10-0032	15' Cord, Single Piggyback 115V, 1 PH, 15A	6" Min. 36" Max.	"N" Models - 161, 163, 270, 292 & 818 (See Note 2).
10-0705	20' Cord, Single Piggyback 115V, 1 PH, 15A		
10-1964	15' Cord, Double Piggyback 115V, 1 PH, 15A	3" Min. 48" Max.	"N" Models - 53, 55, 57, 59, 98, 137, 139, 140, 264, 266, 267, 282, 803, 805 & 807 (See Note 2).
10-0035	15' Cord, Single Piggyback 230V, 1 PH, 13A	6" Min. 36" Max.	"E" Models - 53, 55, 57, 59, 98, 137, 139, 140, 151, 152, 153, 161, 163, 165, 185, 264, 266, 267, 270, 282, 284, 293, 803, 805 & 807 (See Note 2).
10-0706	20' Cord, Single Piggyback 230V, 1 PH, 13A		"I" Models - 137, 139, 161, 163, 266, 267, 282, 284 (See Note 2). "EI" Models- 818
10-0033	15' Cord, Single Piggyback 230V, 1 PH, 15A	6" Min. 36" Max.	"E" Models - 186, 188, 191, 294 & 820 (See Note 2).
10-0559	20' Cord, Single Piggyback 230V, 1 PH, 15A		
10-1965	15' Cord, Double Piggyback 230V, 1 PH, 15A	3" Min. 48" Max.	"E" Models - 53, 55, 57, 59, 98, 137, 139, 140, 161, 163, 165, 185, 191, 264, 266, 267, 270, 282, 284, 293, 803, 805 & 807 (See Note 2). "I" Models - 137, 139, 161, 163, 266, 267, 282 & 284 (See Note 2). "EI" Models- 818
10-0748	25' Cord, Wired in Pump Switch 115V or 230V, 1 PH, 20A (See Note 3).	9" Min. 24" Max.	"E" Models - 189, 295, 4404 & 4405 (See Note 2). "I" Models - 188, 189, 294, 295 (See Note 2). "EI" Models- 820

Notes:

- 1) "I" models -188, 189, 294, 295 use the single piggyback type only with a 10-0125 Simplex Pump Control Box.
- 2) Remove plug if present and use with "Junction Box" 10-0002 when field wiring is required.
- 3) Maximum operating temperature for 10-0748 - 120 °F (49 °C); all other switches - 140 °F (60 °C).
- 4) For Control Panels, See FM3459.

CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).