

# SJE VERTICALMASTER® Pump Switch

Mechanically-activated switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mechanically-activated pump switch is designed to operate in non-potable water and sewage applications with limited space. It works well in small sump chambers, effluent applications, and laundry trays, as well as in large tanks.

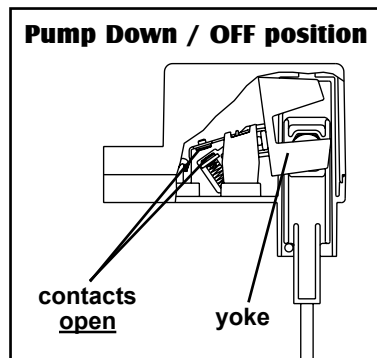
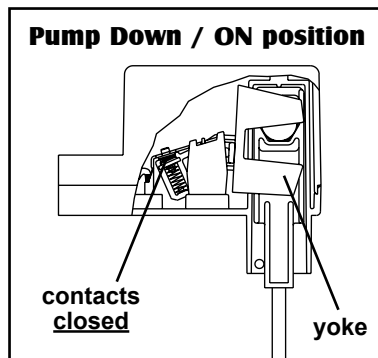
The SJE VerticalMaster® pump switch is not sensitive to turbulence.

It is available for pump down applications only.



## FEATURES

- Heavy-duty contacts.
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of .75 to 6.5 inches (2 to 17 cm).
- Includes standard boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



## OPTIONS

This switch is available:

- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

## SPECIFICATIONS

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW or SJTOW, water-resistant (CPE)

**MOUNTING BRACKET & HOSE CLAMP:** stainless steel

**LIFT ROD:** injection molded acetal plastic

**FLOAT STOP:** neoprene

**SWITCH AND FLOAT HOUSING:** high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 125°F (52°C)

**overall dimensions:** 12 inch high x 5 inch x 3 inch wide (30.5 cm high x 12.7 cm x 7.6 cm wide)

**switch housing dimensions (excluding cable entrance):** 2 inch high x 2.8 inch wide (5 cm high x 7.1 cm wide)

**float housing dimensions:** 2.3 inch high x 2.7 inch wide (5.8 cm high x 6.9 cm wide)

### ELECTRICAL:

#### 120 VAC 50/60Hz Single Phase:

**Maximum Pump Running Current:**

13 amps

**Maximum Pump Starting Current:**

60 amps

**Recommended Pump HP:**

1/2 HP or less

#### 230 VAC 50/60Hz Single Phase:

**Maximum Pump Running Current:**

12 amps

**Maximum Pump Starting Current:**

60 amps

**Recommended Pump HP:**

1 HP or less

**NOTE:** This switch must be used with pumps that provide integral thermal overload protection.

**SJE**  
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SEE BACKSIDE FOR ORDERING INFORMATION.  
SEE PRICE BOOK FOR LIST PRICE.

# SJE VERTICALMASTER® Pump Switch

Mechanically-activated pump switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

## ORDERING INFORMATION

PUMP DOWN ONLY 		Shipping Weight
Part Number	Description	
1003590	10VM1WP	1.73 lbs.
1003772	10VM2WP	1.77 lbs.
1003776	10VMWOP	1.65 lbs.
1003769	15VM1WP	2.08 lbs.
1003773	15VM2WP	2.12 lbs.
1003777	15VMWOP	2.00 lbs.
1003770	20VM1WP	2.43 lbs.
1003774	20VM2WP	2.47 lbs.
1003778	20VMWOP	2.35 lbs.
1003771	30VM1WP	3.13 lbs.
1003775	30VM2WP	3.17 lbs.
1003779	30VMWOP	3.05 lbs.

## OPTIONS

**MOUNTING BRACKET AND HOSE CLAMP** are standard.

**PACKAGING**  
Boxed - standard

**ADDITIONAL CABLE**  
Additional cable length over 30 feet is available.

UL Recognized for Water & Sewage



1 = 120VAC 2 = 230VAC WP = With Plug WOP = With Out Plug

**NOTE:** Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

**SEE PRICE BOOK FOR LIST PRICE.**

## SPECIFICATIONS

**PUMPING RANGE:** 0.75 to 6.5 inches (2 cm to 17 cm)

**CABLE:** flexible 16 gauge, 2 conductor (UL, CSA) SJOW or SJTOW, water-resistant (CPE).

**MOUNTING BRACKET AND CLAMP:** stainless steel

**LIFT ROD:** injection molded acetal plastic

**FLOAT STOP:** neoprene

**SWITCH AND FLOAT HOUSING:** high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 125°F (52°C)

- Overall dimensions: 12 inch high x 5 inch x 3 inch wide (30.5 cm x 12.7 cm x 7.6 cm)
- Switch housing dimensions: 2 inch high x 2.8 inch diameter (5 cm x 7.1 cm)
- Float housing dimensions: 2.3 inch high x 2.8 inch diameter (5.8 cm x 6.9 cm)

### ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	13 amps	60 amps	1/2 HP or less
230 VAC	12 amps	60 amps	1 HP or less

## OTHER INFORMATION

**PUMP DOWN** is normally open contacts for emptying.

### DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



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**Call or fax your order!**  
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