

# SJE VERTICALMASTER® Pump Switch

Mechanically-activated switch designed to control 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.

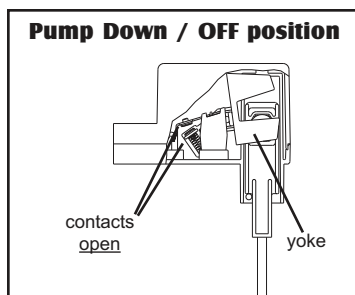
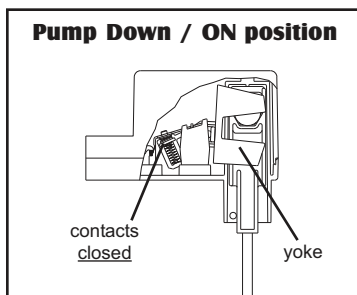
It is available for pump down applications only.



U.S. Patent No. 5,155,311  
Canadian Patent No. 2,060,748

## FEATURES

- Heavy-duty contacts.
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of 2 to 17 cm (.75 to 6.5 inches).
- 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:

- CE Compliant units available upon request.
- 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 3, 5, 6, or 10 meters and 10, 15, 20 or 30 feet.

## SPECIFICATIONS

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

**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 52°C (125°F)

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

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

**Float housing dimensions:** 5.8 cm high x 6.9 cm diameter (2.3 inch high x 2.7 inch diameter)

### ELECTRICAL:

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

**Maximum Pump Running Current:**

13 amps

**Maximum Pump Starting Current:**

60 amps

**Recommended Pump HP:**

373 W (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:**

746 W (1 HP) or less

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

# SJE Rhombus®

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SEE BACKSIDE FOR ORDERING INFORMATION.

# SJE VERTICALMASTER® Pump Switch

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

## ORDERING INFORMATION

PART NUMBER Pump Down Only	DESCRIPTION		SHIPPING WEIGHT
	Cable Length	Plug Configuration	
1003997	3 Meters	No Plug	0.75 kgs.
1003998	5 Meters	No Plug	0.94 kgs.
1005533	6 Meters	No Plug	1.07 kgs.
1003999	10 Meters	No Plug	1.38 kgs.

Contact SJE-Rhombus for pricing or submit an on-line quote request at [www.sjrhombus.com](http://www.sjrhombus.com). Units with plug available upon request.

## OPTIONS

**MOUNTING BRACKET AND HOSE CLAMP ARE STANDARD**

**BOXED PACKAGING IS STANDARD**  
Bulk packaging is not available.

**ADDITIONAL CABLE LENGTH IS AVAILABLE**

## SPECIFICATIONS

**PUMPING RANGE:** 2 cm to 17 cm (.75 to 6.5 inches)

**CABLE:** flexible 16 gauge, 2 conductor SJTOW, SJTW (UL, CSA), water-resistant, chlorinated polyethylene

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

**LIFT ROD:** injection molded acetal plastic

**FLOAT STOP:** neoprene

**SWITCH AND FLOAT HOUSING:** impact resistant, non-corrosive, PVC plastic for use in liquids up to 52°C (125°F)

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

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

**Float housing dimensions:** 5.8 cm high x 6.9 cm diameter (2.3 inch high x 2.7 inch diameter)

### ELECTRICAL:

Voltage 50 Hz/60Hz Single Phase	Maximum Pump Running Current	Maximum Pump Starting Current	Max. Recommend Pump Power
120 VAC	13 amps	60 amps	373 W (1/2 HP)
230 VAC	12 amps	60 amps	746 W (1 HP)

### THIS SWITCH:

- must be used with pumps that provide integral thermal overload protection
- has IPx7 enclosure protection
- is suitable for category II installations
- is protected by double insulation

UL Recognized for Water & Sewage



## OTHER INFORMATION

### DIRECT WIRING

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

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

- CE Compliant units available upon request.



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