

# 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.

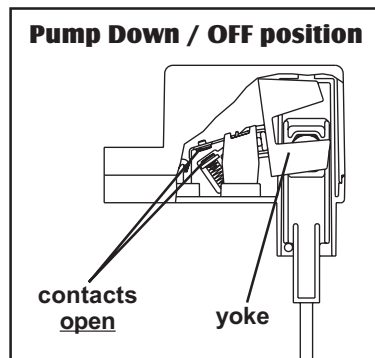
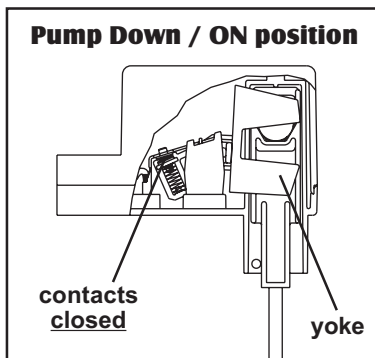
It is available for pump down applications only.



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 .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.



PO Box 1708, Detroit Lakes, MN 56502  
1-888-DIAL-SJE • 1-218-847-1317  
1-218-847-4617 Fax

email: [sje@sjerhombus.com](mailto:sje@sjerhombus.com)

[www.sjerhombus.com](http://www.sjerhombus.com)

SEE BACKSIDE FOR PRICING/ORDERING INFORMATION.

# 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.

## PRICING/ORDERING INFORMATION

PUMP DOWN ONLY ↓		Suggested List Price	Shipping Weight
Part Number	Description		
1003590	10VM1WP	\$50.56	1.73 lbs.
1003772	10VM2WP	\$52.28	1.77 lbs.
1003776	10VMWOP	\$44.60	1.65 lbs.
1003769	15VM1WP	\$53.19	2.08 lbs.
1003773	15VM2WP	\$54.92	2.12 lbs.
1003777	15VMWOP	\$47.23	2.00 lbs.
1003770	20VM1WP	\$55.83	2.43 lbs.
1003774	20VM2WP	\$57.55	2.47 lbs.
1003778	20VMWOP	\$47.23	2.35 lbs.
1003771	30VM1WP	\$61.56	3.13 lbs.
1003775	30VM2WP	\$63.28	3.17 lbs.
1003779	30VMWOP	\$55.61	3.05 lbs.

## OPTIONS

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

**PACKAGING**  
Boxed - Standard.

**ADDITIONAL CABLE**  
Additional cable length over 30 feet is available at 70¢ per foot (list price).

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).

## 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.



[www.sjrhombus.com](http://www.sjrhombus.com)  
sje@sjrhombus.com

**Call or fax your order!**

**1-888-DIAL-SJE (1-888-342-5753) ■ Fax 218-847-4617**