

# SJE VERTICALMASTER® PUMP SWITCH

Mechanically-Activated Switch for Limited Space Applications

The SJE VerticalMaster® mechanically-activated pump switch is designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 for

- non-potable water applications
- sewage applications
- limited space applications

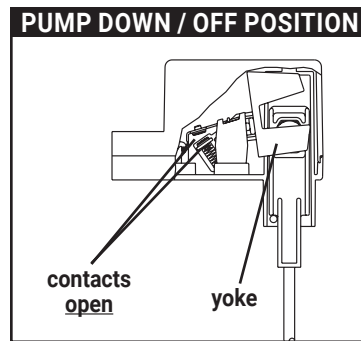
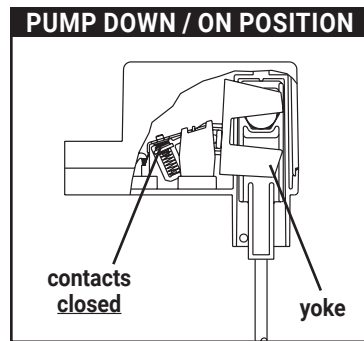
It works well in small sump chambers, effluent applications, and laundry trays, as well as in large tanks.

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)



## 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)



UL Recognized for Water & Sewage



**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 in limited space applications.

Part #	Description (Pump Down Only) 	Shipping Weight
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.

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).

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

**PACKAGING:** Boxed - Standard

**ADDITIONAL CABLE:** Longer cable lengths available.

## 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:** polypropylene

**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 230 VAC	13 amps 12 amps	60 amps 60 amps	1/2 HP or less 1 HP or less

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

**A Pump Switch is designed for Horsepower (HP) rated loads and is not suitable for control (pilot duty) applications. It will fail prematurely when switching loads less than 1 Amp at 120 VAC. Select a float switch from our Control Switch offering for control applications.**

## 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.