

# Medium Duty Wide-Angle Mini Mercury

## Mercury-Activated, Wide-Angle Pump Switch

Mercury-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 115 VAC and 1 HP at 230 VAC.

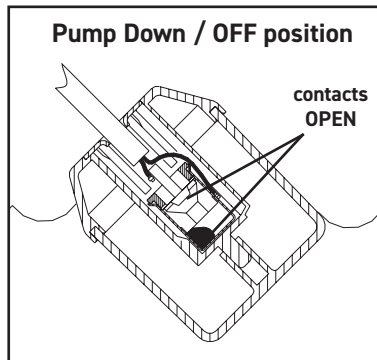
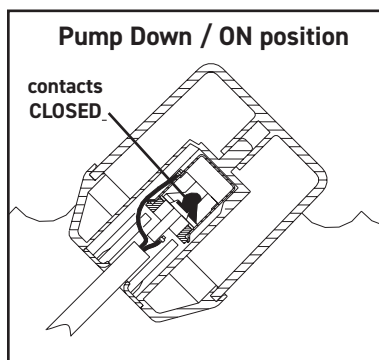
This mercury-activated, wide-angle pump switch provides automatic control of smaller pumps in non-potable water and sewage applications.

Although this switch is not sensitive to rotation, it is affected by turbulence and should be mounted in a non-turbulent location.

The **Medium Duty Wide-Angle Mini Mercury** pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Medium Duty Wide Angle Mercury or Medium Duty Wide Angle Dual pump switch would operate more efficiently in these installations.

### FEATURES

- Controls pumps up to 1/2 HP at 115 VAC and 1 HP at 230 VAC
- Adjustable pumping range of 6.5 to 19 inches (16.5 to 48 cm)
- Includes standard mounting clamp and boxed packaging



### OPTIONS

**This switch is available:**



- for pump down or pump up applications as specified by part number
- with a 115 VAC or 230 VAC piggy-back plug
- without a plug for direct wiring in 115 VAC or 230 VAC applications
- in standard cable lengths of 15, 20, or 30 feet and 5, 6, or 10 meters (longer lengths available)



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## MEDIUM DUTY WIDE-ANGLE MINI MERCURY PUMP SWITCH

Pump Down 		Pump Up 		Shipping Weight
Part #	Description	Part #	Description	
1032537	15PSJVD1WP	1032540	15PSJVU1WP	1.77 lbs.
1032538	15PSJVD2WP	1032541	15PSJVU2WP	1.81 lbs.
1032539	15PSJVDWOP	1032542	15PSJVUWOP	1.68 lbs.
1032543	20PSJVD1WP	1032546	20PSJVU1WP	2.11 lbs.
1032544	20PSJVD2WP	1032547	20PSJVU2WP	2.14 lbs.
1032545	20PSJVDWOP	1032548	20PSJVUWOP	2.03 lbs.
1032549	30PSJVD1WP	1032552	30PSJVU1WP	2.82 lbs.
1032550	30PSJVD2WP	1032553	30PSJVU2WP	2.86 lbs.
1032551	30PSJVDWOP	1032554	30PSJVUWOP	2.74 lbs.

PS = Pump Switch JV = Junior Mercury D = Pump Down U = Pump Up 1 = 115 VAC 2 = 230VAC WP = With Plug WOP = With Out Plug

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

SEE PRICE BOOK FOR LIST PRICE.

### SPECIFICATIONS

**PUMPING RANGE:** 6.5 to 19 inches (16.5 cm to 48 cm)

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

**FLOAT:** 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

**MERCURY SWITCH:** mercury-to-metal contacts, hermetically sealed in a steel capsule

#### ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
115 VAC	13 amps	40 amps	1/2 HP or less
230 VAC	8 amps	20 amps	1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. This switch is not designed to be directly wired to relays or motor contactors.

### OPTIONS

#### MOUNTING CLAMP

is standard - deduct optional

#### CABLE WEIGHT MOUNTING

Is also available.

#### PACKAGING

Boxed - standard

Bagged - optional

Bulk - optional

#### ADDITIONAL CABLE

Longer cable lengths available. Please call for details.

### OTHER INFORMATION

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

**PUMP UP** is normally closed contacts for filling.

#### DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 115 VAC or 230 VAC applications within specified amp ratings.



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