

# MSP Corrosion Proof Submersible Drainage Pump



Submersible drainage pump with Vertical float switch



Submersible drainage pump with Wide angle float switch

## Features

- ▶ Corrosion free engineering thermoplastic construction.
- ▶ Attractive appearance.
- ▶ The rotating assembly is supported by ball bearings which provides longer life.
- ▶ High quality mechanical seal.
- ▶ Float control switch is completely enclosed preventing any damage during transit & operation.
- ▶ Long 10 feet power cord (20 feet & 30 feet are optional).
- ▶ Energy efficient permanent split capacitor motor design which saves electricity resulting into lower cost of operation against shaded pole motors.
- ▶ Class-F motor insulation which can handle higher motor temperature.
- ▶ Thermally protected motors which prevents motor from burn out.

## Model Designation

AUTOMATIC SUMP PUMP WITH	MODEL		
	1/4 HP	1/3 HP	1/2 HP
Vertical float switch	MSP 021	MSP 032	MSP 051
Wide - angle float switch	MSP 021T	MSP 032T	MSP 051T

Discharge Size : 1-1/2" FNPT

## Dimensional Data

MODEL	HP	MAJOR WIDTH	HEIGHT	WEIGHT (LBS)
MSP 021 MSP 021T	1/4	9.5"	12"	13.6
MSP 032 MSP 032T	1/3	9.5"	13"	14.3
MSP 051 MSP 051T	1/2	10.5"	13"	16.7

## Minimum sump pit diameter

MODEL			MINIMUM SUMP PIT DIA.
1/4 HP	1/3 HP	1/2 HP	
MSP 021	MSP 032	MSP 051	13"
MSP 021T	*	*	15"
*	MSP 032T	*	16"
*	*	MSP 051T	17"

## Factory switch settings

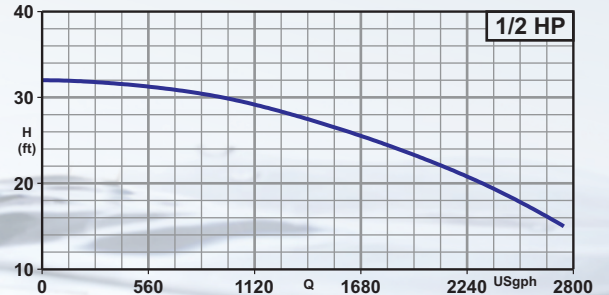
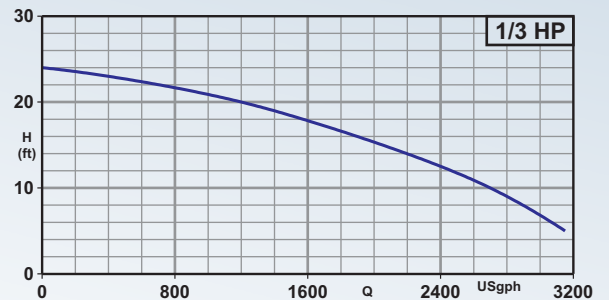
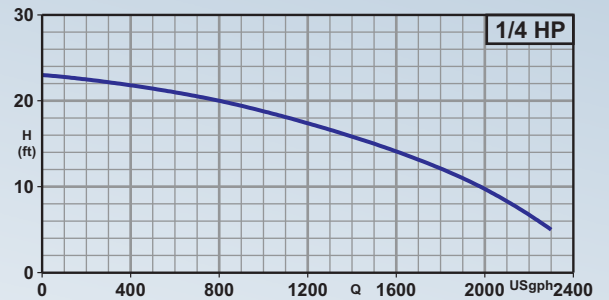
MODEL	FACTORY SWITCH SETTING	
	TURN ON	TURN OFF
MSP 021 / 032	9"	2"
MSP 021T / 032T	11"	4"
MSP 051	10"	3"
MSP 051T	13"	4"

## Performance Table

MODEL	HP	AMP	PERFORMANCE US GALLONS PER HOUR AT DISCHARGE HEAD IN FEET						MAXIMUM LIFT (NO FLOW)	MAX SOLID PASSAGE SIZE
			5'	10'	15'	20'	25'	30'		
MSP 021 MSP 021T	1/4	4.5	2300	1980	1500	800	*	*	23'	3/8"
MSP 032 MSP 032T	1/3	5.0	3150	2700	2050	1200	*	*	24'	3/8"
MSP 051 MSP 051T	1/2	5.6	*	*	2750	2320	1750	950	32'	3/8"

**Note :** The above shown performance is nominal performance and may vary from pump to pump.

## Performance Curve



## Motor Specifications

115V, 60Hz, 1Phase, 3450 RPM  
Oil Filled ; Thermally Protected