

Submersible Pump

Smart Series

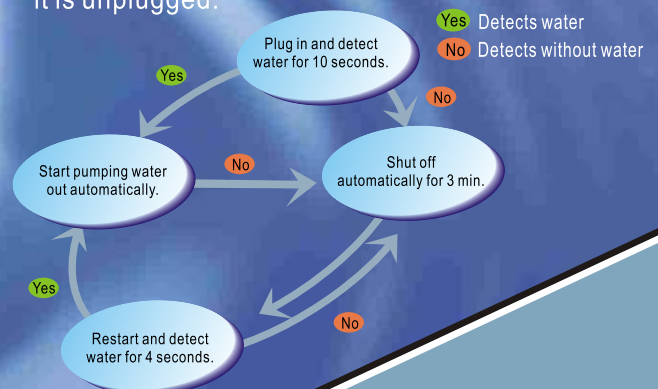


- SM-300
- SM-400



Operation

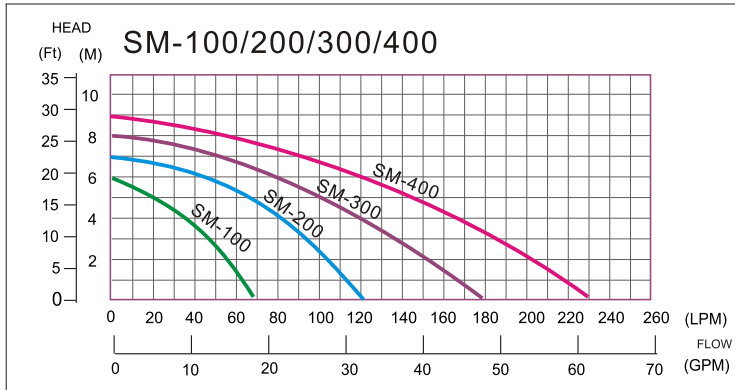
The smart pump is operating uniquely by PCB that detects water. When the pump plug in, it automatically detects water for 10 seconds. If the water level is high enough, the pump starts pumping water out. If there's no water or the water level is too low, the pump will shut off automatically for 3 minutes then detects water again for four seconds. After the pump detects enough water, it automatically starts to pump again. When the pump finds no water, it shuts off again. The process continues cyclically unless it is unplugged.



- SM-100
- SM-200



Performance curve



APPLICATIONS:

- Any cramped area that needs automatically on/off control.
- Prevent sudden flood or malfunction of float switch under adverse circumstances.
- Protect motor automatically when pump overloaded or jammed. Superior to any traditional pumps.
- Unsuitable for sewage.

Construction

No.	Description	Material
1	Motor Casing	PP+GF
2	Pump Casing	PP+GF
4	Stator Upper casing	ADC12
4-1	Stator Lower casing	ADC12
5	Impeller	NYLON+GF
10	Stator	SILICON STEEL
11	Rotor & Shaft	SUS 410
12	Capacitor	PP
13	Bearing (Upper)	CNM5K
13-1	Bearing (Lower)	CNM5K
14	Strainer	PP+GF
15	Cable with plug	H07RNF OR PVC
16	Discharge adapter	PP
17	Mechanical seal	CA/CE
18	Oil Seal	NBR
19	Packing	NBR
20	PCB Control Board	

*SM-200 has the same height as SM-100 when using the same lower strainer as an option.

	A	B	C
SM-100	155	224	214
SM-200	155	240*	214
SM-300	196	365	312
SM-400	196	365	312

Specification

TYPE	OUTPUT		DISCHARGE		RATED		MAXIMUM		WEIGHT
					head	capacity	head	capacity	
	HP	W	mm	inch	M	LPM	M	LPM	Kg
SM-100	1/6	120	25	1	4	35	6	70	3.5
SM-200	1/4	200	32	1-1/4	4	80	7	120	4.5
SM-300	1/3	250	40	1-1/2	5	100	8	180	6.8
SM-400	1/2	400	50	2	6	120	9	230	8.5

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