

SPC Series

Intelligent pressure controller
50/60 Hz

PRODUCT CATALOGUE



MAKES ORDINARY PUMP SMARTER

Multi-Frequency, Wide Voltage & Power Range

Product Description

SPC is electronic automatic controller designed to control and protect single phase pumps below 2.2kW. It starts/stops the pump automatically by opening and closing the water taps, and protects the pump against water shortage by preventing it from dry running.

Operating Principal

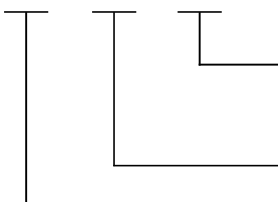
- Auto start the pump either by pressure lower than starting pressure or by flow switch open. when starting the pump, it allows 3'20" self-priming time to prime the pump in case. (timing can be modified before ex-works) .
- Stop the pump automatically by flow switch closed. Stop the pump in the case of water shortage. it will continuous running 3'20", then will stop the pump.
- Able to adjust the starting pressure easily by +/- button, to suit different working conditions.

Applications

- High head applications
- Garden and light irrigation
- Tank to tank transfer
- Submersible well pumps (AS model)

Model Description

SPC 2.2 AS



AS: with pressure tank to detect the piping pressure automatically and adapt the starting pressure accordingly. With timing function for periodical water refilling
M: starting pressure can be only controlled by manually adjusting through "+""-"
Max. Power [kW]
SPC Series



SPC 2.2 AS

With 1 L built-in Tank, for pressure buffer
 "A" means intelligence



SPC 2.2 M

Starting pressure can be adjusted manually
 "M" means Manual

PRODUCT OVERVIEW

Energy Saving

Technical Data

- Max. power: 0.1~2.2 kW
- Voltage: AC90V-260V
- Max. rated current: 10A
- Max. liquid temp.: 80°C
- Max. ambient temp.: 40°C
- Starting pressure: 0-10 bar (adjustable)
- Max. allowable pressure: 15 bar
- Protection class: IP65
- Max. head: 0~100m
- Frequency: 50/60Hz
- Interface thread: 1" (male)

Key Features

- With built-in pressure sensor, flow switch, and non-return valve.
- Horizontal installation is possible.
- Plug and play.
- Water shortage protection.
- Auto-Restart from water shortage.
- Low standby power consumption, energy saving.

| Model | Power [kW] | Max. Rated Current [A] | Frequency [Hz] | Pcs per Carton | Outer box 1pc [mm] | Outer box 12pcs [mm] | G.W. [Kg] |
|------------|------------|------------------------|----------------|----------------|--------------------|----------------------|-----------|
| SPC 2.2 AS | 0.1-2.2 | 10 | 50/60 | 12 | 198x135x190 | 420x410x400 | 1.45 |
| SPC 2.2 M | 0.1-2.2 | 10 | 50/60 | 12 | 198x135x112 | 420x410x240 | 0.75 |



| Specification | SPC 2.2 AS / M | Traditional Controller |
|-------------------------|--|---|
| Starting Pressure | 0-10 bar | 1.5 or 2.2 bar |
| Max. Rated Current | 10A, from 0.1-2.2 kW Motor | 10A, from 0.37-1.1 kW Motor |
| Max. Allowable Pressure | 15 bar | 10 bar |
| Rated Voltage | 90-260V | 110 or 220V |
| Max Liquid Temp. | 80°C | 60°C |
| Waterproof | Yes | No |
| Energy Saving | digital power chip, Low standby power consumption less than 5W per day | traditional resistance power unit, over 30W per day |
| Protection Level | IP65 | IP44 |

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