

# WaSP-F1

## 12 Volt low flow pump controller

### For use with all types of 12 Volt submersible pump

Developed by experienced groundwater professionals, this splash proof, lightweight, portable voltage controller is designed to work with all types of 12 Volt submersible pump.

It is easily connected between battery and pump to provide precise control of flow rates to less than 0.5 litre/minute\*.

\* Actual flow rates are dependent on type of pump and pumping conditions.



#### Applications

- Precision control of flow rates from 12V submersible pumps.
- Low flow purging and sampling from boreholes.


#### Benefits

- Can be used with any 12V. submersible pump (up to 25 Amps).
- Minimum flow rate of <0.5 litre/min\*.
- Designed for field use (CE).
- Simple to use.

#### Design features

- Universal voltage controller suitable for any 12V device up to 25 Amps.
- Single on/off dial with precision control of flow rate.
- Splash proof sealed housing.
- Intelligent electronics with built-in safety features.
- LED warning signal
- Light-weight (1.6 kg) and compact.
- Robust aluminium housing.

#### Compliance

- CE approved (EMC & LV)
- ROHS compliant
- WEEE registered 



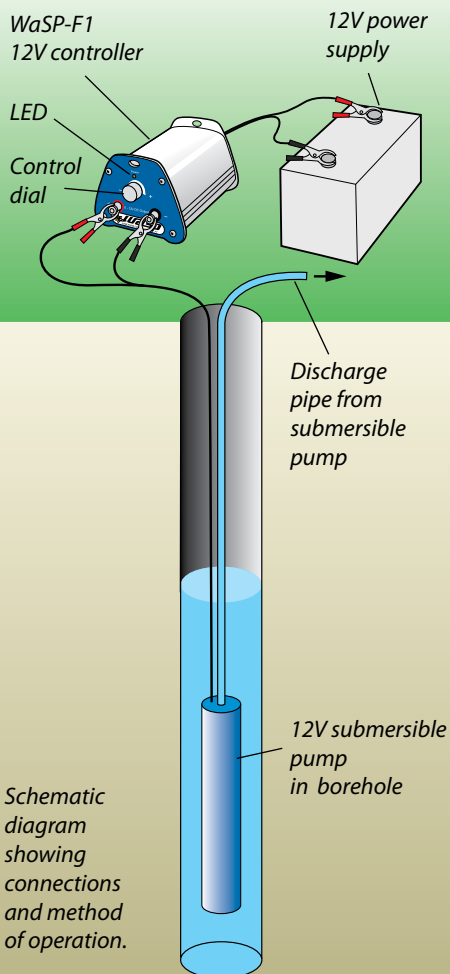
## WaSP-F1 12 Volt low flow pump controller

The WaSP-F1 Flow Controller is used to progressively vary the voltage supply to a 12V submersible pump in a precise controlled way. The controller uses a 12V power source and provides an output in the range 0 to 12V by means of a simple rotary dial.



The WaSP-F1 low flow controller is supplied complete with cables to connect easily to a 12V supply.

### Method of operation



### Technical specifications

#### Electrical

Input Voltage	12V DC
Output Voltage	12V DC
Maximum Load	25 Amps

#### Safety / Protection

Input connection	Reverse polarity protected
Maximum load	Load current limiter set to 25 Amps
Internal protection	Internally fused to 30 Amps
Low input voltage	Unit cut-out for input Voltage below 8.3V
High input voltage	Unit cut-out for input voltage above 16V

#### Environment

Protection	Splash proof
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#### Dimensions / Weight

Length	25.5 cm (10")
Width	14.7 cm (5.78")
Height	11.7 cm (4.6")
Weight	1.6 kg
Input cable length	1 metre

#### Controls

Status LED	Steady - correct operation Slow flash - low input voltage warning Rapid flash - high input voltage warning
Rotary dial	On/off switch Varies voltage output from 0 to Maximum

#### Connections

Input (cable)	A twin core cable with insulated crocodile clips for connection to a 12V DC battery.
Output (terminals)	Threaded positive and negative terminal posts suitable for cable connection or for crocodile clips.
Cable	Twin core copper flex

### Ordering information

Order code	Description
<b>WaSP-F1</b>	WaSP-F1 12V Controller