

0.75kW CENTRIFUGAL BOOSTER PUMP

Instructions for use



- Best efficiency pressure range 1.9 to 2.8 bar
- Best efficiency flow range 40 to 80 lt/min
- Brass impeller
- Stainless steel shaft
- Energy-efficient

ALL PUMP SYSTEMS ARE COMPLIANT WITH NRCS SPECIFICATIONS

NRCS - National Regulator
for Compulsory Specifications

LETTER OF AUTHORITY ISSUED:



Distributor Guarantee
of Electrical Safety
Compliance for End User



Highest Energy
Efficiency in Class

August 2021

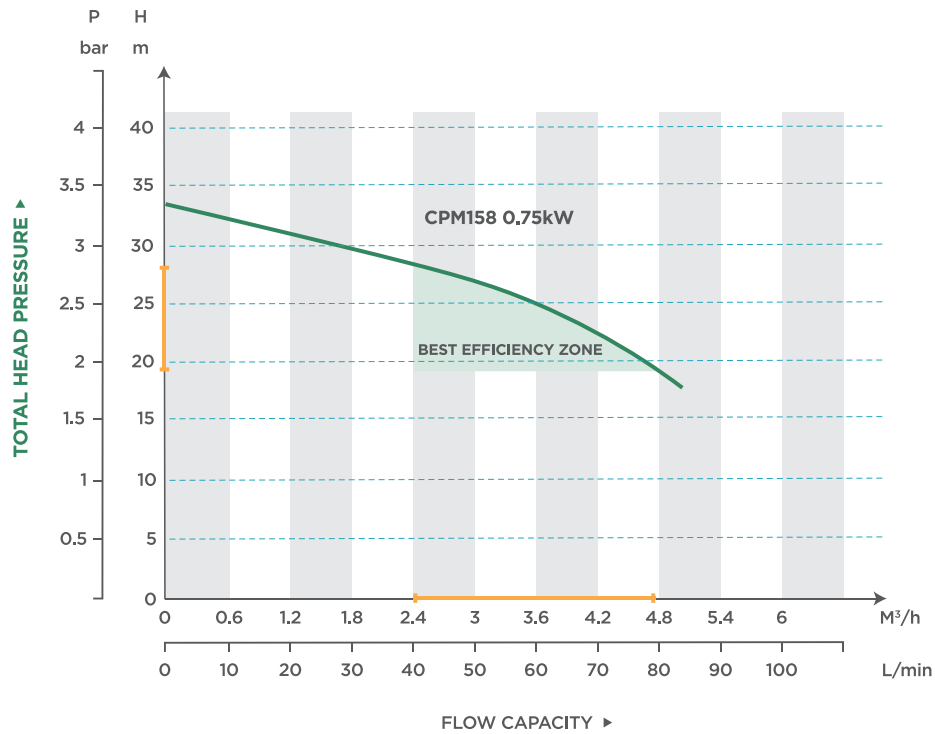
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Features & Benefits

- ✓ Energy-efficient
- ✓ Easy to operate
- ✓ Automatic start/stop function
- ✓ Dry running protection
- ✓ Over-current protection
- ✓ Minimal maintenance required
- ✓ Pre-wired with a 3-point plug
- ✓ Brass impeller
- ✓ Stainless steel shaft

Pump Performance Curve



Pump Specifications

✓ Pump Model	CPM158	✓ Max. Pressure	3.2 Bar
✓ Motor Power	0.75kW	✓ Max. Fluid Temperature	40 °C
✓ Max. Flow	100 lt/min	✓ Max. Ambient Temperature	40 °C

Flow Control Switch

✓ Model	SKD-2	✓ Current	10 A
✓ Input Voltage	220V	✓ Max. Power	1500W 2HP
✓ Frequency	50 Hz	✓ Protection	IP 44

i	The SKD-2 flow control starts the pump automatically when pressure decreases and stops it when there is no flow or no water supply i.e. dry run.
💧	<ul style="list-style-type: none"> • Unit intended for clean water usage such as drinking water or irrigation. • Unit suitable for use with water temperatures ranging from 2 to 40 degrees Celsius.

Important Information

- The pump must be earthed.
- All maintenance should be carried out with the power supply disconnected.
- Do not put any strain on the electrical cable.
- The pump is only designed for clean water use (water containing no solid particles).
- Extending the cable may affect your factory warranty. Make use of an approved extending plug adapter.
- The pump should be installed in a ventilated, undercover area to protect the unit against direct sunlight, rain and spray from an irrigation system (a pump cover is recommended).
- Pumping muddy water or water containing suspended solids will severely reduce the life expectancy of the unit. Note, this type of application falls outside of the factory warranty.

Recommended suction pipes:	Recommended discharge pipe:
HDPE (minimum 1" or 25mm)	Copper, HDPE or any SABS approved piping (minimum ¾ inch or 22mm)
Helical coil reinforced flexible hose 1" or 25mm	

Installation Guidelines

FOUNDATION

The foundation should be solid enough to support the pump. It is recommended to secure the unit by bolting it to concrete or a paved surface.

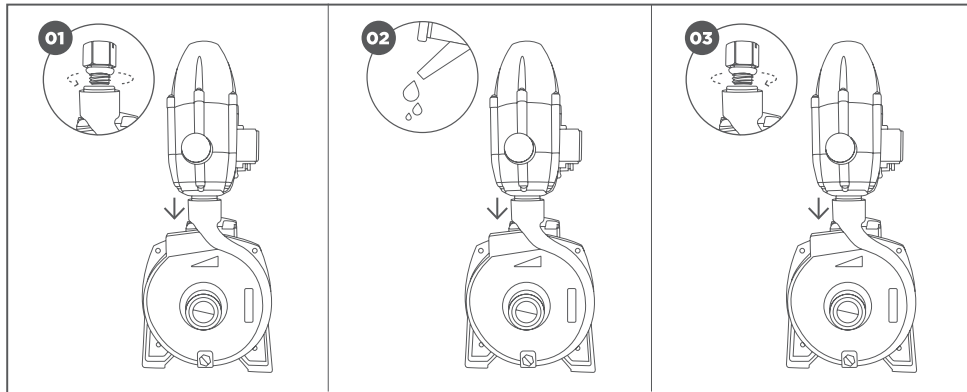
MOUNTING

The pump base should be level to ensure that the pump shaft is in vertical alignment. The pump suction, as well as discharge flanges, should be in horizontal and vertical planes respectively.

PIPING

- The suction and discharge pipes should be supported independently by utilising pipe hangers and support blocks (this will prevent strain on the pump joints and casing).
- Check the pipe alignment to ensure it is correct before a connection is made.
- Ensure that the inlet and discharge pipe align with the pump so that there are no bends or kinks that might affect the flow.
- The inlet and discharge pipe/connections must correspond with the design specifications of the pump as it may directly affect the efficiency and power consumption of the pump.
- The suction and discharge pipe line diameter must be equal or greater than the suction and discharge ports of the pump.

PRIMING INSTRUCTIONS



- 01.** Open the air valve on the pump casing by removing the priming screw, to allow the air in the volute to escape and for it to be filled with water (via gravity feed). The suction line and pump should slowly fill with water until a steady flow is visible from the air valve. **Note:** this also ensures all air has been removed from the casing and suction piping.
- 02.** If after a few seconds water is not visible from the air valve, fill the pump volute manually until it is overflowing.
- 03.** Put the priming screw back in place.

OPERATING INSTRUCTIONS

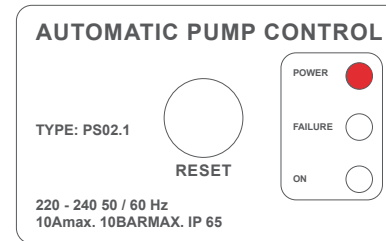
When installing the pump

- Ensure that the water level in the tank is higher than the suction side of the pump.

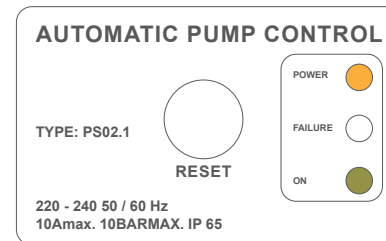
When switching on the pump

The following can be done to test the pump and ensure proper operation:

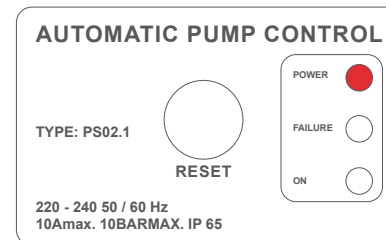
- Check that the ball valve between the tank and the pump is open, and that the discharge valve on the pump is closed (it is always advised to install a ball valve between pump and tank for maintenance purposes).
- Insert the plug into the main power supply and switch the plug on (the power indication light of the flow controller must be illuminated).



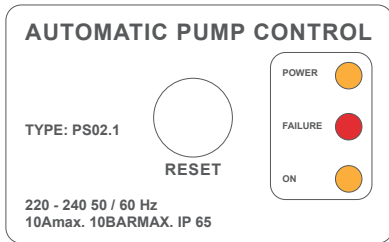
- Open the discharge valve, the pump should start automatically.



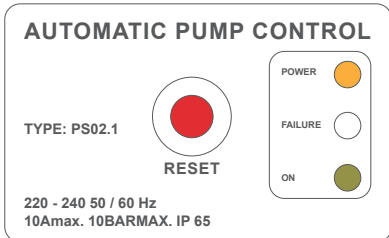
- Close the discharge valve, the pump will switch off within 15 to 20 seconds (this is a built-in safety feature that protects the pump).



- Close the inlet valve and open the discharge valve. The pump will switch on and run for 15 to 20 seconds. The pump should then stop operating and the failure light on the flow controller should be illuminated.



- Open the inlet valve and press the reset button on the flow controller. The pump will start running.



- After completing all of the above, the pump is ready for use.

Pump Solutions

We believe in value for money solutions that are simple to use and maximise the use of our products in various applications.

Add these products to your pump for an all-inclusive pump solution

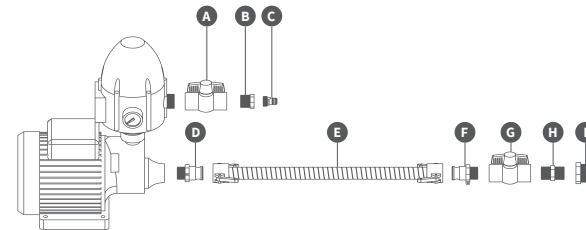
Pump-to-Tank Connector Kit

An all-inclusive kit permitting seamless connection from tank to pump. 



Product Benefits:

- ✓ Allows for seamless connection from pump to tank
- ✓ All accessories included
- ✓ Easy to fit
- ✓ Premium quality
- ✓ Suitable for use with our 0.37 and 0,75kW Booster Pumps



- A** 25mm Ball Valve
- B** 25/20 Reducer
- C** 20mm Accessory Adaptor
- D** 25mm Polyprop Male Coupler
- E** Hose + 2 x Female Polyprop Couplers
- F** 25mm Polyprop Male Coupler
- G** 25mm Ball Valve
- H** 25mm Barrel Nipple
- I** 40/25mm Reducer

Pump Cover

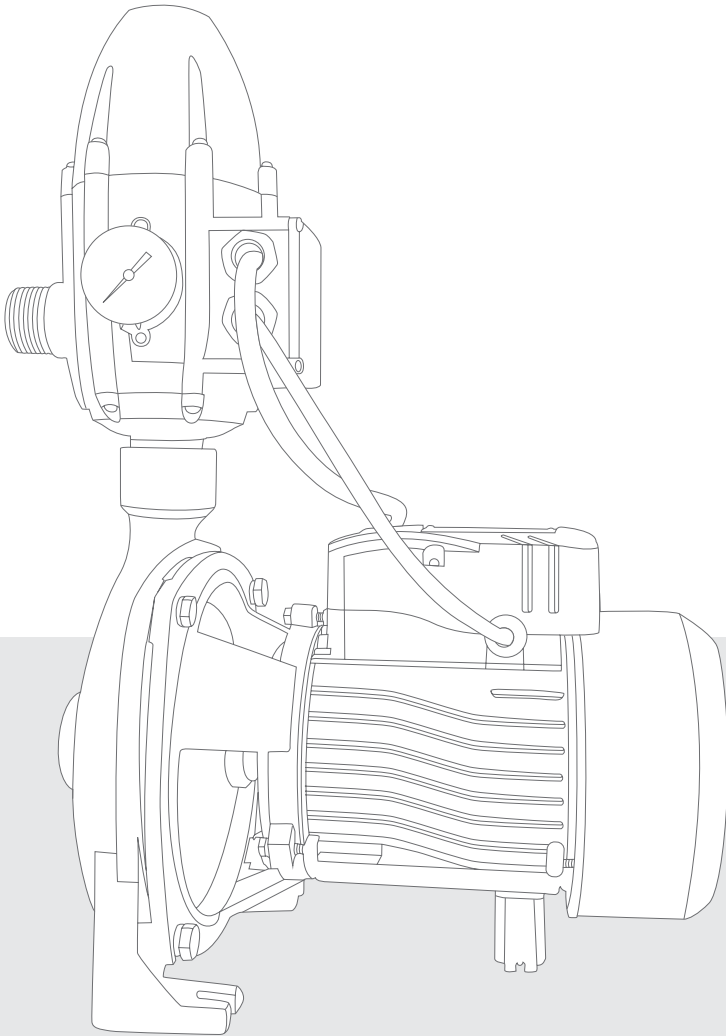
Protects your pump against all weather conditions and extends the lifespan of your Jojo Booster Pump.



Product Benefits:

- ✓ Extends the lifespan of your Booster Pump
- ✓ Reduces noise
- ✓ 10-year guarantee
- ✓ UV-resistant
- ✓ Corrosion-resistant
- ✓ Available in various colours





Thank you for choosing JoJo, if there is anything that you are unsure about or need assistance with, please do not hesitate to contact us.

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