

## Smart Series Pressure Pump Range

### Instructions for use

October 2025

#### Features & Benefits

- ✓ 1-year Quality Warranty
- ✓ Low noise level
- ✓ Energy-efficient
- ✓ Easy to install and operate
- ✓ Constant pressure supply
- ✓ Ideal for solar systems
- ✓ Automatic start/stop function
- ✓ Leak detection
- ✓ Dry run protection
- ✓ Locked rotor detection
- ✓ Over- and under-voltage protection
- ✓ Overload and abnormal pressure protection
- ✓ Pre-wired with a 3-point plug

#### ADVANCED TECHNOLOGY FOR SUPERIOR PERFORMANCE

**Experience the unmatched power and efficiency of a Permanent Magnet Pump combined with a Variable Speed Drive — a breakthrough solution that outperforms conventional pumps in every way:**

- **Precise Flow & Pressure Control** – Accurately adjusts pump speed to deliver consistent pressure tailored to your needs.
- **Ultra-Quiet Operation** – Designed to minimise mechanical, fan, electromagnetic, and fluid noise.
- **High Efficiency** – No rotor losses and optimised performance across varying load conditions.
- **Significant Energy Savings** – Reduces power consumption by up to 50% compared to traditional pressure pumps.
- **Easy Installation** – Compact, lightweight design for quick and flexible setup.
- **Reduced Maintenance** – Fewer losses and minimal heat generation result in reduced wear and longer service life.

#### SMART SERIES RANGE

0.37, 0.55 & 0.75kW	
Height	212mm
Length	270mm
Width	155mm



1.1kW	
Height	297mm
Length	338mm
Width	179mm



#### Get the most out of your purchase!

- Add a JoJo Pump Cover to protect your pump from the elements and prolong its lifespan.

1-year Quality Warranty

JoJo pumps purchased from an approved JoJo retail outlet and/or distributor carry a 1-year warranty from the date of purchase. In order to maintain your warranty, always ensure you install, operate and maintain the pump as per the instructions provided in this manual.

Detailed T's and C's, as well as return policies and procedures are in the back of this manual.

1  
YEAR  
WARRANTY

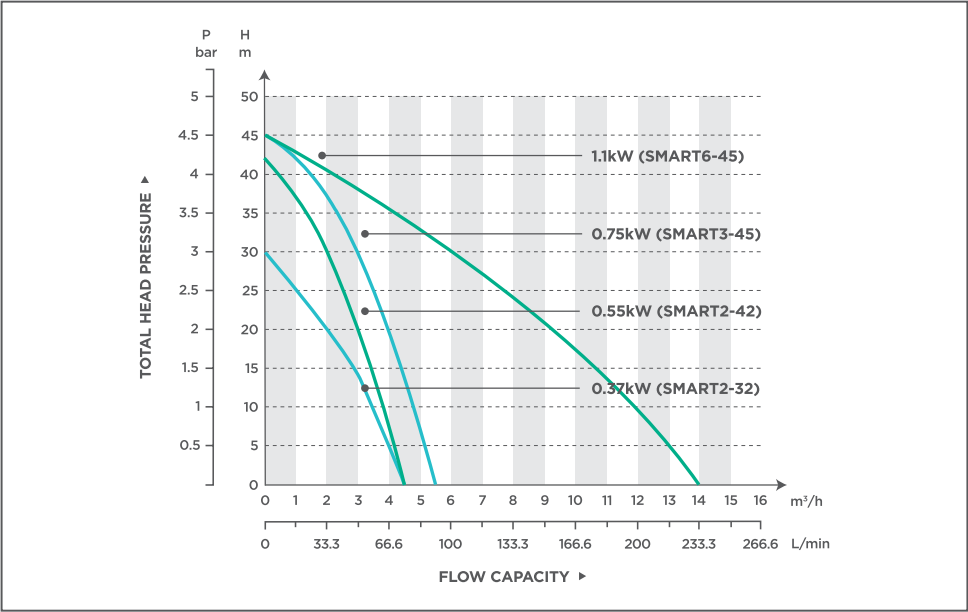
Performance table

Pump specifications	0.37kW	0.55kW	0.75kW	1.1kW
Pump model	SMART2-32	SMART2-42	SMART3-45	SMART6-45
Max. power	0.37kW	0.55kW	0.75kW	1.1kW
Max. flow	75 lt/min	75 lt/min	91 lt/min	233 lt/min
Max. head	32m	42m	45m	45m
Max. pressure	3.2 bar	4.2 bar	4.5 bar	4.5 bar
Max. rpm	4800r/min	4800r/min	4800r/min	4200r/min
Max. current	2.9 A	4.4 A	5.7 A	9.2 A
Rated voltage	220-240V	220-240V	220-240V	220-240V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Liquid temperature	0-80°C	0-80°C	0-80°C	0-80°C
Ambient temperature	4-55°C	4-55°C	4-55°C	4-55°C
Protection	IP 55	IP 55	IP 55	IP 55
Inlet size	25 mm	25 mm	25 mm	40 mm
Outlet size	25 mm	25 mm	25 mm	40 mm

Best efficiency flow range	Lt/min
0.37kW	25 to 58
0.55kW	25 to 58
0.75kW	39 to 67
1.1kW	67 to 150

Best efficiency pressure range	Bar
0.37kW	1 to 2.2
0.55kW	1.5 to 3.4
0.75kW	2 to 3.4
1.1kW	2 to 3.5

Performance Curves



APPLICATIONS

Pump	Bathrooms	Misting	Pop up	Impact	Dishwasher	Washing Machine
0.37kW	1	10	2	1	Yes	Yes
0.55kW	2	20	4	2	Yes	Yes
0.75kW	3	30	6	3	Yes	Yes
1.1kW	8	50	16	8	Yes	Yes

NOISE LEVEL COMPARISON

 Refrigerator ± 40dB	 Smart Series Pump Range ± 55dB	 Hairdryer ± 70dB
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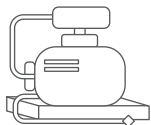
i Important Information

- The pump must be earthed with no strain placed on the electrical cable.
- All maintenance should be carried out with the power supply disconnected.
- The pump is designed for clean water use only, i.e. water containing no solid particles. Pumping muddy water or water containing suspended solids will severely reduce the lifespan of the unit and falls outside of the factory warranty.
- Extending the cable will affect your factory warranty. Always 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 any irrigation system. A JoJo pump cover is recommended for best protection.
- It is recommended to drain the unit when temperatures drop below 0°C. To do so, loosen the bleed screw on the pump and disconnect the suction piping to allow the water to drain out.
- Before moving or disassembling the pump, always close the valves on both sides and fully drain the liquid from the pump and connected piping.
- Carefully read the instructions before adjusting any settings. Please contact JoJo should you need assistance.

Pump	Recommended suction pipes:	Recommended discharge pipe:
0.37kW 0.55kW 0.75kW	<ul style="list-style-type: none"><li>HDPE (minimum 25mm)</li><li>Helical coil reinforced flexible hose 25mm</li></ul>	HDPE (minimum 25mm class 6)
1.1kW	<ul style="list-style-type: none"><li>HDPE (minimum 40mm class 6)</li><li>Helical coil reinforced flexible hose 40mm</li></ul>	HDPE (minimum 40mm class 6)

## INSTALLATION

### Foundation

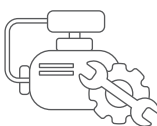


The foundation should be solid enough to support the pump.

Before building the foundation, take the following into consideration:

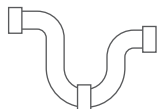
- The placement of the pump incl. the direction of inlet/outlet.
- The height: ensure that the water level in the tank is higher than the suction side of the pump.

### Mounting



- A level base is essential to ensure the pump shaft is aligned horizontally.
- The pump suction line and fittings must all be on a horizontal plane to ensure there are no high points in the pipeline where air can get trapped.
- The discharge line and fittings must be on a vertical plane.

### Piping



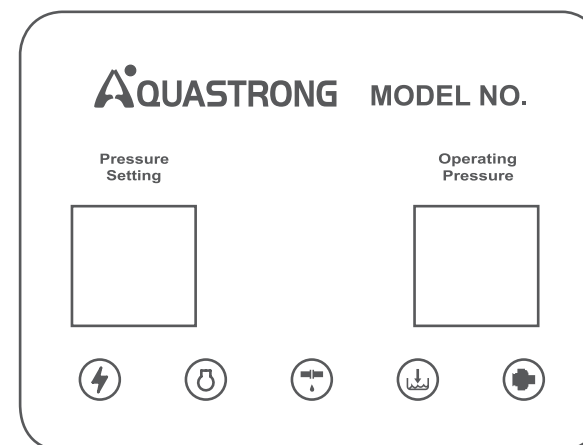
- The suction and discharge pipes should be supported independently by utilising pipe hangers and support blocks - this will prevent strain on the pump joints and casing.
- Before making a connection, check the pipe alignment to ensure it is correct.
- The inlet and discharge pipe should align with the pump to ensure 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 diameter of the suction and discharge pipe must be equal or greater than that of the ports of the pump.
- When used as an alternative water supply for a home, install non-return valves to ensure no back pressure to the municipal supply or the pump.

## OPERATING INSTRUCTIONS

01. Ensure that the power supply cable is plugged in properly.
02. The pump is designed to operate with a 220 to 240V single-phase power supply. Voltage variance is maximum 10% up or down. Further variance will damage the electrical motor and/or result in errors.
03. The pump is designed exclusively for clean water applications, operating within a temperature range of 0°C to 80°C and a pH range of 6.5 to 8.5.
04. The suction and discharge piping should be of rigid characteristics, be able to withstand pressure of up to 6 bar, be air tight on the suction side, and water tight on the discharge side.

## SETTINGS

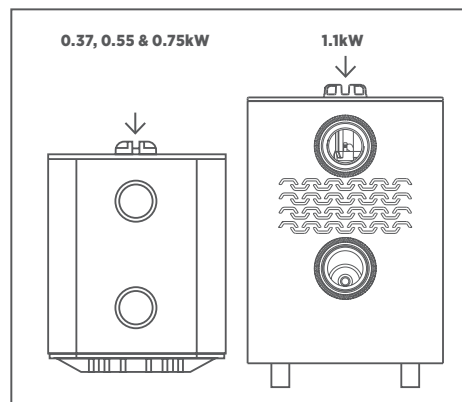
**IMPORTANT: Changing the default settings is not recommended, as it enables the unit to respond optimally to potentially harmful system conditions.**



## PRIMING INSTRUCTIONS



**IMPORTANT: Always prime the pump before use to ensure proper functionality and to prevent possible damage to any of the components.**

01. Remove the threaded cap located on top of the pump. **Note:** If it's too tight to loosen by hand, use the slots on the cap to insert a shaft—such as a screwdriver—for better leverage.
02. Fill the pump volute manually with water until it overflows.
03. Put the threaded cap back in place and then tighten, (do not over tighten). Ensure that there are no leaks.



Indicator Light	Function	Description
	Over- or under-voltage protection	If the voltage is abnormal, the pump will stop automatically.
	Locked rotor detection	If the pump stalls, it will stop running to prevent damage.
	Leak detection	If there is a leak in the pipeline, the pump will frequently restart and the leak indicator will light up. This does not affect normal pump operation.
	Dry run protection	If there is no water in the inlet, the pump will stop running automatically.
	Pressure sensor failure	If the pressure transducer fails, the pump will automatically shut off.

## SETTINGS (CONTINUED)

Button	Function	
	Start/Stop	<p><b>To start the pump:</b></p> <p>Short press to power on. The indicator light will turn on, and the pump will enter automatic mode.</p> <p><b>To stop the pump:</b></p> <p>Short press again to power off. The indicator light will turn off, and the pump will stop.</p>
	Up/Down	<p><b>To adjust the pump settings and other parameters:</b></p> <p>“+” increases the value</p> <p>“-” decreases the value</p> <p><b>To reset the pump:</b></p> <p>Press and hold both the “+” and “-” buttons simultaneously for 1.5 seconds. The pump will reset and display the version number.</p>

## ERROR CODE REFERENCE GUIDE

If an error code appears on the screen, please refer to the below guide for more information.

Error Code	Fault Description	Correction Method
E1	Phase loss	Check if the motor wires are loose or not properly connected.
E2	Controller over-current	<ul style="list-style-type: none"> <li>Check if the motor is short-circuited or powered on with a fault.</li> <li>The driver may be damaged.</li> </ul>
E3	Motor fault (over speed or low speed)	<ul style="list-style-type: none"> <li>Power off the unit, wait for the panel lights to turn off, then power it on again.</li> <li>If the issue persists, the motor or drive board may be faulty.</li> </ul>
E4	Communication fault between panel and main board	<ul style="list-style-type: none"> <li>Check if the panel wires are properly connected. Try re-plugging them.</li> <li>If the problem persists, the panel or main board may be faulty.</li> </ul>
E6	Outlet pressure sensor fault	<ul style="list-style-type: none"> <li>Check for poor contact at the pressure sensor interface. Reconnect the interface.</li> <li>If unresolved, replace the pressure sensor.</li> </ul>
E11	Voltage error	<ul style="list-style-type: none"> <li>Use a multimeter to verify the input voltage.</li> <li>Check if the pump's operating voltage parameters are normal.</li> </ul>
E12	Locked rotor	Try turning the fan blades to check if the impeller is stuck.
E13	Leak detected	<ul style="list-style-type: none"> <li>Inspect the pipeline or check valve for leaks.</li> <li>If water usage is unaffected, the fault serves as an indicator only.</li> </ul>

Error Code	Fault Description	Correction Method
E14	Water shortage	<ul style="list-style-type: none"> <li>Confirm if there is an actual water shortage.</li> <li>For models with a water flow switch, inspect the switch.</li> <li>For models without, access the factory menu and reduce the water shortage pressure setting.</li> </ul>
E15	Drive board overheating	<ul style="list-style-type: none"> <li>Allow the driver to cool down; the pump will resume operation automatically.</li> <li>Alternatively, relocate the pump to a well-ventilated area.</li> </ul>
E16	IPM temperature sensor fault	Check if the sensor wire is loose.
E18	High water temperature protection	The pump stops automatically. Check if the water temperature is too high.
E19	Low water temperature protection	The pump runs at reduced speed. Check if the water temperature is too low.
E20	Water temperature sensor fault	Verify that the water temperature sensor is properly connected.

## JOJO PUMP WARRANTY

Please read this warranty in conjunction with the South African Consumer Protection Act 68 of 2008.

- JoJo warrants its pumps to the original end user/purchaser to be free of defective materials and workmanship under normal use for a period of 12-months from the date of purchase from authorised retailers and distributors. To be eligible for warranty repair or replacement, the pump must be returned to the point of purchase during and up to the expiry date of the warranty period. Proof of date of purchase is required.
- Liability in terms of this warranty shall be limited to repair or replacement of the pump. Liability for any other losses or subsequent damages suffered are expressly excluded.
- This warranty does not obligate JoJo to bear any cost of removal, installation, transportation, or other charges that may arise in connection with a warranty claim.
- The warranty shall not apply to repairs or service necessitated by normal wear and tear or for lack of reasonable and proper maintenance.

**This warranty does not apply if in the sole judgement of JoJo the product or any of the components have been;**

- Tampered with, disassembled (unless as per JoJo's specific instructions relevant to peripheral pumps and clearly displayed on fan cover), repaired or altered (except as may be pre-authorised by JoJo in writing);
- Subjected to misapplication, misuse, neglect or accident; or
- Used to pump anything for which the pump was not designed. Such use may compromise or harm the pump and/or any of its components.

**IMPORTANT: this is the exclusive warranty given by us and no other warranty or guarantees, expressed or implied shall be of any force or effect. No distributor or other person is authorised to assume any liability or obligation for JoJo other than expressly provided herein.**

## RETURN POLICIES AND PROCEDURES

### Refunds

**Within 5 days of purchase:** as part of the cooling off clause (section 16 of the CPA), the pump may be returned for refund, provided that it is still within the original packaging, unused, and in the original condition.

**Within 10 days of purchase:** the pump may be returned for refund or replacement if it does not meet the purpose for which intended (section 20 of the CPA), provided that it is still within the original packaging, unused, and in the original condition. In such instance the pump will be returned to JoJo for an evaluation, after which an inspection report will be provided confirming whether it meets the necessary requirements for refund or replacement.

### Returns/repairs

**Within 12 months:** should the pump not operate as specified, or cease to do so within 12 months after being purchased, the return procedure is as follows:

- **Return the pump to the store from which purchased**, together with the proof of purchase (to confirm that it is within the 12-month warranty period). Please ensure that the condition of the pump is as specified in section four of this warranty, and that it is still packed in the original packaging.
- **The store will send the pump to the nearest JoJo factory for an evaluation.**
- At JoJo's election, **(a) the pump will either be repaired** (if repairable) and that repair warranted for three months, or the balance of the 12-month period, whichever period is longer; or **(b) the pump will be exchanged** (this only applies if the pump is non-repairable, and a replacement pump in similar visual condition will be provided by JoJo).
- The evaluation (once the pump is sent back to JoJo), repair/exchange and delivery to the store will take place **within 14 days**.

**Our return/repair request form is available on our website at [www.jojo.co.za](http://www.jojo.co.za).**

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.

+27 11 695 8300 | [www.jojo.co.za](http://www.jojo.co.za)

**JoJo**  
FOR WATER FOR LIFE