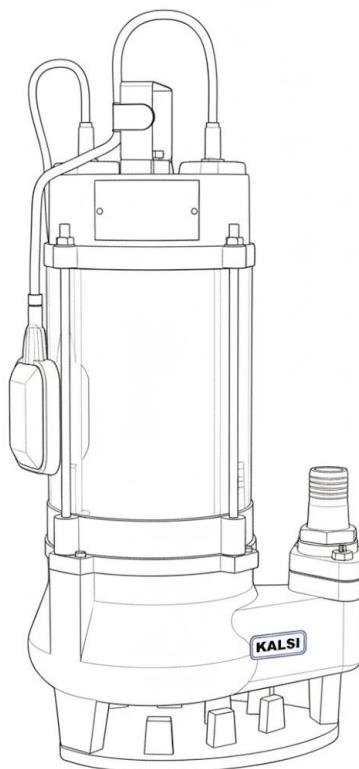


# USER MANUAL

## KALSI SUBMERSIBLE SEWAGE WATER PUMPSET



Thank you for showing your confidence in KALSI products. This manual is designed to provide you with essential information for the safe installation, operation, and maintenance of your pumpset. Before using the pumpset, kindly read this manual thoroughly and familiarize yourself with the pumpset and its operations.

# **WARNINGS / CAUTION**

**Please note that though submersible, this is a dry motor, and you do not need to fill water or oil in the Motor. Only the mechanical seal chamber of the motor is oil cooled, and this chamber is pre-filled with oil. Please ensure to maintain proper oil level in this chamber always.**

**CAUTION:** Failure to observe the instructions contained in this manual could result in personal injury, damage to the pump and/or property damage, and shall void the warranty. Read this manual carefully before installation and using the pump.

**NOTICE:** Save this manual for future reference and keep it readily available. You may also download a digital version of this manual from the following link or by scanning the QR code below.

## **Warning / Caution**

- The operator must be aware of the use of pump set and take appropriate safety precautions to prevent physical injury.
- Risk of serious personal injury, and property damage. installing, operating, or maintaining the unit using any method not prescribed in this manual is prohibited.
- If the pump or motor is damaged or leaking, electric shock, physical harm, or environmental damage may occur. Do not operate the unit until the problem has been corrected or repaired.
- Do not run dry. Dry running may cause rotating parts within the pump to seize to non-moving parts.
- Do not change the service application without the approval of an authorized KALSI service executive.
- Call KALSI help line toll free number 1800-330-1890 for complaints / technical service if any required.

# BEFORE YOU BEGIN



## BOX CONTENTS

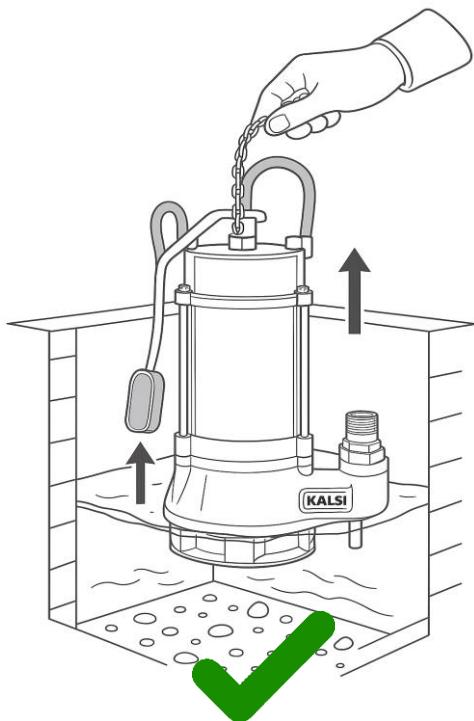
1. PUMPSET PREFITTED WITH POWER CABLE AND FLOAT SWITCH – 1N
2. DELIVERY HOSE CONNECTOR (PVC HOSE COLLAR) 50mm – 1N
3. WARRANTY CARD – 1N

Check the package for damage or missing items if any upon delivery.

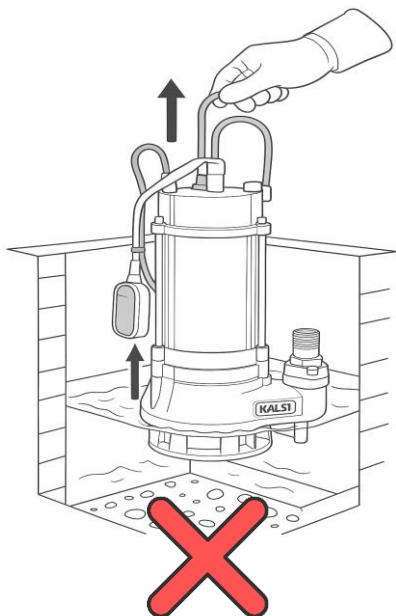
- ✓ Inspect the product to determine if any parts have been damaged, loose or are missing.
- ✓ Contact your sales distributor/ sales representative if anything is out of order.

# SAFETY FIRST

PLACE THE PUMP ON A LEVEL SURFACE IF POSSIBLE. IF YOU NEED TO SUSPEND THE PUMP DO NOT HANG IT FROM THE POWER CABLE, USE A CHAIN OR A ROPE, TIE TO THE HANDLE AND THEN SUSPEND.

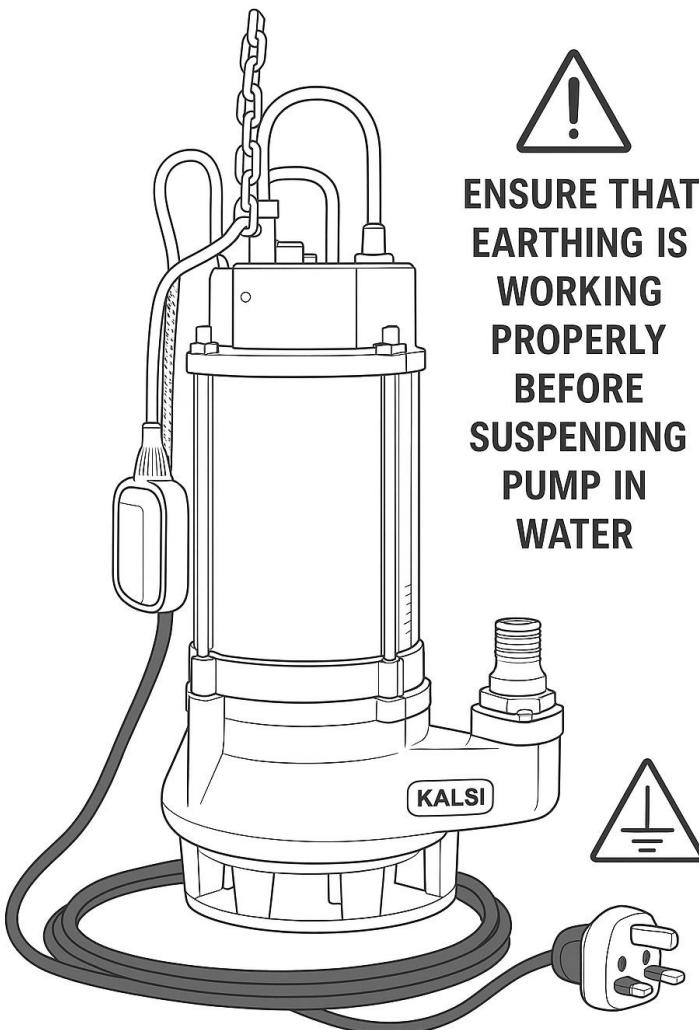


**CORRECT METHOD**

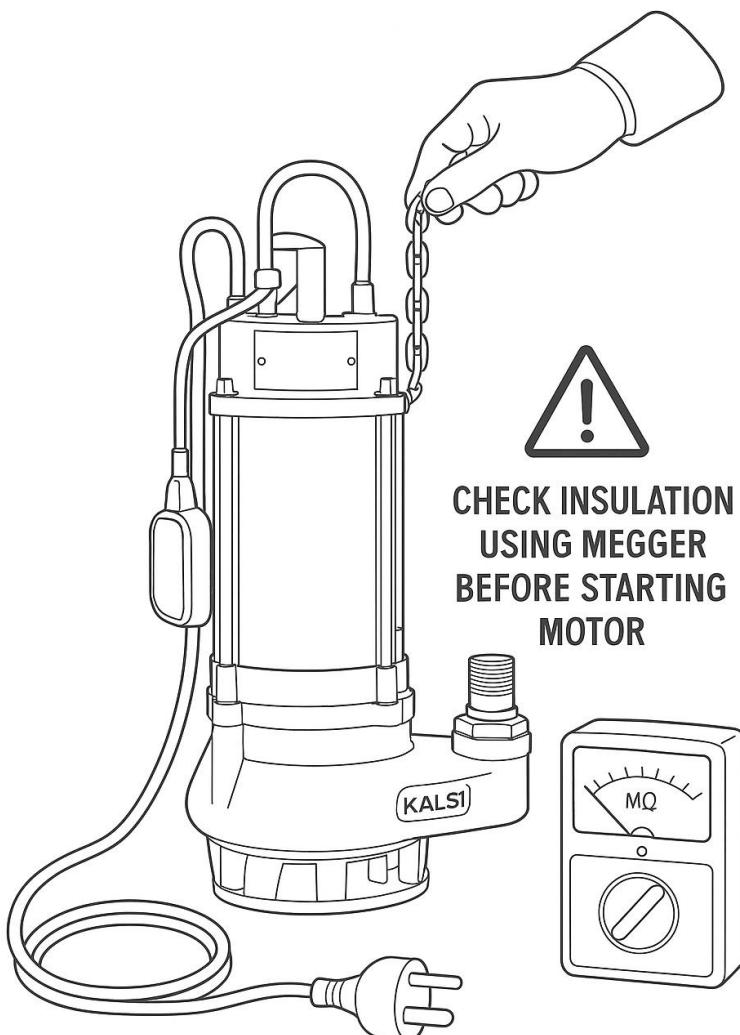


**IN-CORRECT METHOD**

# SAFETY FIRST

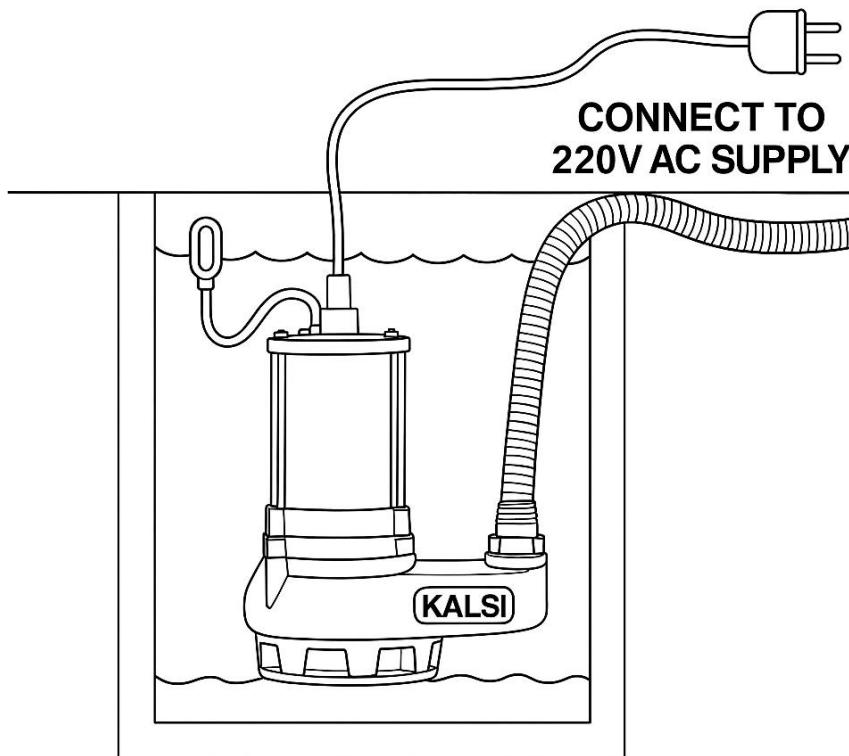


# SAFETY FIRST



CHECK INSULATION  
USING MEGGER  
BEFORE STARTING  
MOTOR

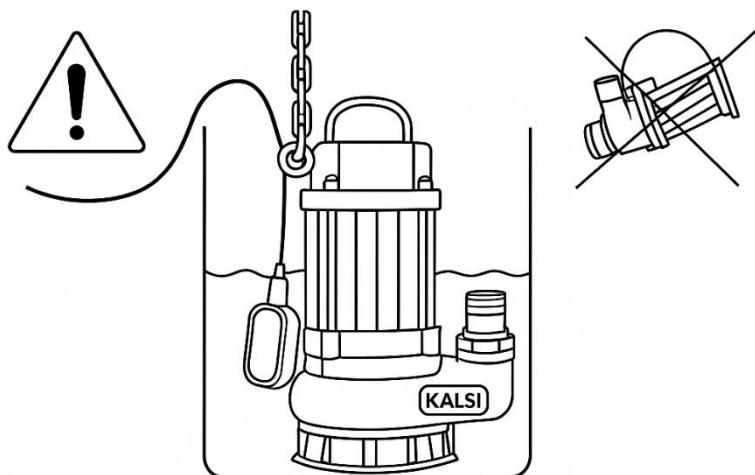
# USAGE



## AUTOMATIC PUMP OPERATION

- 1) Turn the operating switch on and off a couple of times to check for normal pump start. Float switch must be raised for the pump to start.
- 2) Check direction of rotation. If discharge volume is low or unusual sounds are heard when the pump is operating, rotation has been reversed. Change the polarity of the wires to change the direction of rotation.

- 3) This Pump is fitted with Thermal Overload Protector to safeguard burning due to overheating. In case the motor trips due to overheating, you need to wait for the motor to cool down before starting again. Restarting motor without sufficient cooling time would result in repeated tripping of motor or even burning of motor.
- 4) Always use the pump in a vertical orientation. Do not use pump when installed sideways.

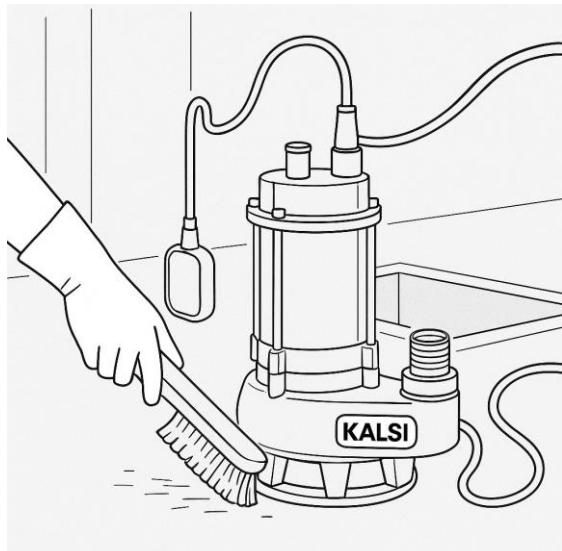


- 5) Install the discharge pipe in such a manner that no air is trapped in the pipe. Install an air release valve wherever such air pockets are likely to develop.
- 6) Make sure the discharge pipe is secure to ensure proper discharge of water. Also ensure that the other end of the discharge pipe is secure and away from the pump in order to prevent back flow of water.

# MAINTENANCE AND AFTER USE CARE

Check water output, voltage, current and other parameters. Unusual readings indicate malfunction of the pump. Refer to trouble-shooting list below and make suitable corrections at the earliest.

If you do not use the pump on a daily basis, it is advised that after every usage clean the pump with clean clear water and ensure that there is no foreign matter stuck either in the pump suction inlet or inside the pump or inside the discharge pipe. Use a soft brush to clean the pump if required. Dry the pump after cleaning and if possible, apply some oil on the dry casting surfaces to prevent against rusting. Store the pump in a cool dry place.



## 1. DAILY INSPECTIONS

Check current and ampere fluctuation on a daily basis. If there is an abnormal fluctuation in the amperes, even though within the pump rating limits, there is a high probability of foreign matter clogging the pump suction inlet. Remove the foreign matter at the earliest to prevent damage to the pump.

## 2. REGULAR INSPECTIONS

PARAMETER	FREQUENCY OF INSPECTION
INSULATION RESISTANCE	MONTHLY, VALUE SHOULD BE ABOVE 1 M ohms.
MECHANICAL SEAL	ANNUALLY OR WHENEVER COOLING OIL TURNS CLOUDY
LUBRICATING OIL (MECHANICAL SEAL COOLING CHAMBER)	HALF YEARLY OR WHENEVER THE OIL TURNS CLOUDY OR DIRTY

### NOTE:

1. Please replace all O-rings when the pump is dismantled for any repair. This will ensure there is no leakage of water in the stator part of the pump.
2. To prolong life of the mechanical seal, replace the oil in the mechanical seal chamber once in every 6 months. Water mixed with oil or cloudy oil in the cooling chamber are indications of a defective mechanical seal requiring immediate replacement of oil and mechanical seal.
3. When replacing the oil, lay the pump on its side with filler plug on top. Fill suitable amount of turbine oil no.32 (isovc-32).
4. It is advised to conduct a comprehensive overhaul of the pump every 3 to 4 years in order to prolong the life and ensure trouble free working of the pump.
5. For all comprehensive overhaul and spare part replacement please visit the authorised KALSI service centre in your area for genuine spares and experienced service professionals. Call us on our toll free help line **1800-330-1890** for assistance if any.

**Manufactured By:**

***KALSI METAL WORKS PRIVATE LIMITED,***

KAPURTHALA ROAD, JALANDHAR – 144002,

PUNJAB, INDIA WEBSITE: [kalsigroup.com](http://kalsigroup.com)

**CUSTOMER SUPPORT:** CONTACT SERVICE ENGINEER AT  
ABOVE ADDRESS. Email: [kalsi@kalsigroup.com](mailto:kalsi@kalsigroup.com)

TOLL FREE: 1800-330-1890

SCAN THE QR CODE BELOW TO AUTHENTICATE AND  
REGISTER YOUR PRODUCT TO ENJOY AFTER SALES SERVICE  
AND SUPPORT.

