

## Kripsol 010421120120

# Kripsol KS 150 M Pool Pump User Manual

Model: 010421120120

Brand: Kripsol

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kripsol KS 150 M Pool Pump. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

The Kripsol KS 150 M is a single-phase, 230V, 1.5 HP in-ground pool pump designed for efficient water circulation and filtration. It is compatible with salt treatment systems and features a suction/discharge diameter of Ø 63 mm.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to reduce the risk of injury, electric shock, fire, or damage to the pump.

- **Electrical Safety:** Ensure the pump is connected to a properly grounded electrical outlet. All electrical wiring must comply with local codes and regulations. Disconnect power before performing any maintenance or service.
- **Water and Electricity:** Never operate the pump if it or the surrounding area is wet. Avoid direct contact with water while the pump is operating.
- **Installation:** Install the pump in a well-ventilated area, protected from direct sunlight and extreme weather conditions. Ensure adequate space for air circulation around the motor.
- **Children and Pets:** Keep children and pets away from the pump and its operating area.
- **Maintenance:** Only qualified personnel should perform repairs or complex maintenance. Use only genuine Kripsol replacement parts.
- **Chemicals:** Be aware of the chemicals used in pool water treatment and their potential effects on pump components.

## 3. SETUP AND INSTALLATION

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Proper installation is crucial for the pump's performance and longevity. If you are unsure about any step, consult a qualified professional.

### 3.1 Unpacking and Inspection

Carefully remove the pump from its packaging. Inspect for any visible damage that may have occurred during transit. Report any damage to your supplier immediately.



Figure 3.1: Side view of the Kripsol KS 150 M Pool Pump, showing the main body and motor assembly.



Figure 3.2: Another side view of the Kripsol KS 150 M Pool Pump, highlighting the electrical connections near the motor.



Figure 3.3: Front view of the Kripsol KS 150 M Pool Pump, showing the pre-filter basket and lid.



Figure 3.4: Two black circular components, likely fittings or adapters for the pump's suction and discharge ports.

### 3.2 Location

- Place the pump as close to the pool as possible to minimize friction loss from long pipe runs.
- Ensure the location is dry, well-ventilated, and protected from direct weather exposure.
- Provide sufficient space around the pump for maintenance and air circulation.

### 3.3 Plumbing Connections

- The pump features  $\text{Ø } 63 \text{ mm}$  suction and discharge ports. Use appropriate PVC or other suitable piping.
- Apply thread sealant to all threaded connections to prevent leaks.
- Ensure all connections are tight but do not overtighten, which can cause damage.
- Install isolation valves on both suction and discharge lines to facilitate future maintenance.

### 3.4 Electrical Connections

- The pump operates on a single-phase 230V AC supply.
- All electrical work must be performed by a qualified electrician and comply with local electrical codes.
- Ensure the power supply is disconnected before making any electrical connections.
- Connect the pump to a dedicated circuit protected by a Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD).
- Verify correct voltage and wiring according to the pump's motor label.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Priming the Pump

Before starting the pump for the first time, or after draining for maintenance, it must be primed.

1. Ensure all valves are open to allow water flow to the pump.
2. Remove the transparent lid of the pre-filter basket.
3. Fill the pre-filter housing with water until it overflows.
4. Replace the lid, ensuring it is securely tightened to create an airtight seal.
5. Turn on the pump. It should begin to draw water and expel air from the discharge line.
6. If the pump does not prime within 2-3 minutes, turn it off, re-check connections, and repeat the priming process.

### 4.2 Normal Operation

- Once primed, the pump will operate continuously as long as power is supplied.
- Monitor the pressure gauge on your filter system (if applicable) to ensure proper flow.
- The pump should run smoothly with minimal noise or vibration. Excessive noise may indicate an issue.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your Kripsol KS 150 M pump.

### 5.1 Pre-filter Basket Cleaning

The pre-filter basket collects large debris and should be cleaned regularly, depending on pool usage and debris levels.

1. Turn off the pump and disconnect power.
2. Close isolation valves on suction and discharge lines to prevent water flow.
3. Unscrew the transparent lid of the pre-filter housing.
4. Remove the basket and empty any collected debris.
5. Rinse the basket thoroughly with water.
6. Inspect the O-ring on the lid for cracks or wear. Replace if necessary.
7. Place the clean basket back into the housing, ensuring it seats correctly.
8. Replace the lid and tighten securely.
9. Open isolation valves and re-prime the pump if necessary before restarting.

### 5.2 Winterization

In regions subject to freezing temperatures, the pump must be properly winterized to prevent damage.

- Turn off the pump and disconnect power.
- Drain all water from the pump by removing the drain plug (usually located at the bottom of the pump housing).
- Remove the pre-filter lid and basket.
- Store the pump in a dry, frost-free location if possible. If not, ensure all water is completely drained and plugs are removed to allow for expansion if any residual water freezes.

## 6. TROUBLESHOOTING

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This section provides solutions to common issues you may encounter with your Kripsol KS 150 M pump. For problems not listed here, contact customer support.

| Problem                                      | Possible Cause   | Solution  |
|--|--|---|
| Pump does not start                          | No power; tripped breaker/GFCI; faulty wiring; seized motor.   | Check power supply; reset breaker/GFCI; inspect wiring (qualified electrician); contact service.  |
| Pump runs but does not prime or has low flow | Air leak in suction line; clogged pre-filter basket; low water level in pool; closed valves; impeller clogged. | Check all suction connections for leaks; clean pre-filter basket; ensure adequate pool water level; open all valves; inspect impeller for debris. |
| Excessive noise or vibration                 | Air in system; cavitation; worn bearings; debris in impeller.  | Check for air leaks and prime pump; ensure adequate water flow; contact service for bearing issues; clean impeller.                               |
| Water leaking from pump                      | Loose connections; worn O-rings/seals; cracked housing.  | Tighten connections; replace O-rings/seals; contact service for cracked housing.  |

## 7. SPECIFICATIONS

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## Technical specifications for the Kripsol KS 150 M Pool Pump.

| Feature                    | Specification          |
|----------------------------|------------------------|
| Model                      | KS 150 M               |
| Manufacturer Part Number   | 010421120120           |
| Voltage                    | 230V AC (Single-phase) |
| Power                      | 1.5 HP                 |
| Pump Type                  | In-ground Pool Pump    |
| Salt Treatment Compatible  | Yes                    |
| Suction/Discharge Diameter | Ø 63 mm                |
| Weight                     | 18 kg                  |
| Material                   | Stainless Steel        |
| Power Source               | Electric Cable         |

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please contact your authorized Kripsol dealer or visit the official Kripsol website.

Please have your pump's model number (KS 150 M) and manufacturer part number (010421120120) ready when contacting support.

**Note:** Information regarding spare parts availability is currently unavailable. Please contact Kripsol directly for the most up-to-date information.