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Kripsol KS33M

Kripsol Koral Series Filtration Pump User Manual

Model: KS33M | Brand: Kripsol

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Kripsol Koral Series filtration pump. Designed for private pools of medium and small sizes, this self-priming pump offers high resistance and energy efficiency.

All plastic parts are made from NORYL thermoplastic material, ensuring durability. The pump features a perforated plastic filter basket and a transparent polycarbonate lid for easy visibility of debris. It is secured with AISI 304 stainless steel folding knobs and an O-ring seal.

Key Features:

- Improved and reinforced Kripsol Koral model.
- Self-priming design for easy startup.
- High resistance and energy efficiency.
- NORYL thermoplastic construction for plastic components.
- Transparent polycarbonate lid for filter basket visibility.
- Suitable for seawater applications.
- Protection class: IP 55.
- Insulation class: F.

SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing, operating, or performing maintenance on the pump. Failure to follow these instructions can result in serious injury or property damage.

- Always disconnect power to the pump before performing any service or maintenance.
- Installation must be performed by a qualified professional in accordance with local electrical and plumbing codes.
- Ensure the pump is installed in a well-ventilated area, protected from direct sunlight and extreme weather conditions.
- Do not operate the pump if it is damaged or if any electrical components are exposed to water.
- Keep children and pets away from the pump area during operation.

- The pump is designed for water filtration; do not use it for pumping flammable liquids or chemicals.

PRODUCT OVERVIEW



Figure 1: Front view of the Kripsol Koral Series Filtration Pump. This image shows the main body of the pump, the transparent lid of the pre-filter basket, and the motor housing.



Figure 2: Kripsol Koral Series Filtration Pump positioned next to a swimming pool. This image illustrates the typical installation environment for the pump, showing its compact size relative to a pool deck.

The Kripsol Koral Series pump consists of a robust motor, a self-priming pump body, a large pre-filter basket with a transparent lid, and inlet/outlet connections. The transparent lid allows for easy visual inspection of the filter basket's cleanliness without needing to open the pump.

SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Consult a qualified professional for installation if you are unsure.

1. Location Selection

1. Choose a dry, well-ventilated area, protected from direct sunlight, rain, and flooding.
2. The pump should be installed as close to the pool as possible and below water level for optimal self-priming.
3. Ensure sufficient space around the pump for ventilation and future maintenance.

2. Mounting the Pump

1. Mount the pump on a firm, level base to prevent vibration and noise.
2. Secure the pump using appropriate fasteners through the mounting holes in the base.

3. Plumbing Connections

1. Connect the suction line from the pool skimmer/main drain to the pump's inlet (usually the larger port).
2. Connect the discharge line from the pump's outlet to the pool filter system.
3. Use appropriate PVC fittings and ensure all connections are watertight using thread sealant or Teflon tape.
4. Install isolation valves on both suction and discharge lines to facilitate future maintenance.

4. Electrical Connection

1. All electrical wiring must comply with local codes and regulations.
2. Ensure the power supply matches the pump's voltage requirements (e.g., 230V AC).
3. Connect the pump to a dedicated circuit protected by a Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD).
4. Proper grounding is essential for safety.

OPERATING INSTRUCTIONS

1. Priming the Pump

Before starting the pump for the first time, or after draining the system, 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 by unscrewing the knobs.
3. Fill the pre-filter basket completely with water until it overflows.
4. Replace the lid and tighten the knobs securely to ensure an airtight seal.
5. Turn on the pump. The pump should begin to draw water and expel air from the system.
6. If the pump does not prime within a few minutes, turn it off, re-prime, and check for air leaks in the suction line.

2. Starting and Stopping

- **To Start:** Ensure the pump is primed and all necessary valves are open. Turn on the power switch.
- **To Stop:** Turn off the power switch.

3. Normal Operation

The pump should operate smoothly with a consistent flow of water. Monitor the pressure gauge on your filter (if applicable) to ensure it is within the normal operating range. An increase in pressure may indicate a dirty filter or pre-filter basket.

MAINTENANCE

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

1. Cleaning the Pre-Filter Basket

The pre-filter basket should be inspected regularly (daily or weekly depending on pool usage and debris) and cleaned as needed.

1. Turn off the pump and disconnect power.
2. Close the isolation valves on the suction and discharge lines to prevent water from draining from the pool.
3. Unscrew the knobs and remove the transparent lid.
4. Lift out the filter basket.
5. Empty any debris and rinse the basket thoroughly with a garden hose.
6. Inspect the O-ring on the lid for cracks or wear. Replace if necessary.
7. Place the clean basket back into the pump housing.
8. Ensure the O-ring is properly seated, then replace the lid and tighten the knobs securely.
9. Open the isolation valves and re-prime the pump if necessary before restarting.

2. Winterization (if applicable)

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

- Drain all water from the pump by removing the drain plugs (if present) or disconnecting plumbing.
- Store the pump in a dry, frost-free location, or cover it adequately if it remains installed.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker/GFCI; faulty motor.	Check power supply; reset breaker/GFCI; consult qualified technician.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged pre-filter basket; closed valve.	Re-prime the pump; check all suction line connections for leaks; clean pre-filter basket; open all valves.
Low water flow	Dirty pre-filter basket; dirty main filter; air leak; restricted suction.	Clean pre-filter basket; backwash/clean main filter; check for air leaks; clear any obstructions in suction line.
Excessive noise/vibration	Air in pump; cavitation; loose mounting; worn bearings.	Ensure pump is primed and no air leaks; check for restricted flow; tighten mounting bolts; consult technician for bearing issues.

SPECIFICATIONS

Feature	Detail
Brand	Kripsol
Model	KS33M (Koral Series)
Flow Rate	4.8 m ³ /h
Material Type	Plastic (NORYL thermoplastic)
Power Source	Corded Electric
Protection Class	IP 55
Insulation Class	F
Color	Transparent (for lid)
Style	Self-priming, Filtering
Seawater Compatible	Yes

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or spare parts, please contact your authorized Kripsol dealer or the seller from whom you purchased the product. Keep your proof of purchase for warranty claims.

Seller Information: PISCINAYSPA

For general inquiries about Kripsol products, you may visit the official Kripsol website or contact their customer service department.