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Model: FP2943

PRODUCT OVERVIEW

The Aspen Pumps FP2943 is a powerful condensate pump designed to efficiently remove excess water from boiler condensation systems. It offers reliable performance and is engineered for ease of use and installation in various heating and cooling applications.



An image showing the white Aspen Pumps FP2943 condensate pump unit, along with clear tubing, electrical wires, two white plastic fittings, and a small plastic bag containing screws and wall plugs. This illustrates the main components included with the pump.

SAFETY INFORMATION

Please read all safety instructions carefully before installing, operating, or performing maintenance on the Aspen Pumps

FP2943 condensate pump. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Always disconnect power to the unit before performing any installation, maintenance, or troubleshooting.
- Ensure the pump is installed by a qualified professional in accordance with local electrical and plumbing codes.
- Do not operate the pump if it is damaged or if any electrical wires are frayed or exposed.
- This pump is designed for condensate water only. Do not use it for other liquids.
- Keep children and unauthorized personnel away from the pump during operation.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Aspen Pumps FP2943 Condensate Pump Unit
- Clear discharge tubing
- Inlet/outlet fittings
- Mounting screws and wall plugs
- Instruction Manual (this document)

SETUP AND INSTALLATION

Proper installation is crucial for the efficient and safe operation of your condensate pump. Refer to the diagram for typical installation setup.

1. **Mounting:** Select a suitable location for the pump, ensuring it is level and accessible for maintenance. Use the provided mounting screws and wall plugs to secure the pump firmly to a wall or stable surface.
2. **Condensate Inlet Connection:** Connect the condensate drain line from your boiler or HVAC unit to the pump's inlet port. Ensure a secure, leak-free connection.
3. **Discharge Outlet Connection:** Attach the clear discharge tubing to the pump's outlet port. Route the tubing to a suitable drain point, ensuring there are no kinks or sharp bends that could impede flow. The recommended maximum discharge height is 10 meters.
4. **Electrical Connection:** The pump operates on 230V. Connect the pump's electrical wiring to a dedicated power supply in accordance with local electrical regulations. Ensure the power supply is switched off before making connections. The pump includes a 3.0 A safety switch.
5. **Testing:** Once all connections are made, restore power to the unit. Introduce a small amount of water into the pump's reservoir to verify proper operation and check for any leaks.

OPERATING INSTRUCTIONS

The Aspen Pumps FP2943 condensate pump is designed for automatic operation. It will activate when the condensate level in its reservoir reaches a predetermined level and will pump the water out until the level drops. The pump is equipped with a thermal protection feature to prevent overheating.

- Ensure the pump is always connected to a continuous power supply.
- The pump's maximum flow rate is 12 liters per hour at 0 meters head.
- The noise level at 1 meter is approximately 21 dB(A), indicating quiet operation.
- The pump can handle water temperatures up to 60 degrees Celsius.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your condensate pump. It is recommended to perform these checks periodically, at least once every six months, or more frequently depending on the condensate quality.

1. **Power Disconnection:** Always disconnect the pump from the power supply before any maintenance.
2. **Reservoir Cleaning:** Remove the pump cover and clean the inside of the reservoir to remove any sludge, debris, or algae buildup. Use a mild detergent and water. Rinse thoroughly.
3. **Float Switch Check:** Ensure the float switch moves freely and is not obstructed by debris. Clean if necessary.
4. **Tubing Inspection:** Check the inlet and discharge tubing for any blockages, kinks, or signs of wear. Clear any obstructions.
5. **Reassembly and Test:** Reassemble the pump components, restore power, and test the pump's operation by manually adding water to the reservoir.

TROUBLESHOOTING

If you encounter issues with your Aspen Pumps FP2943, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump does not run	No power; tripped safety switch; clogged inlet/outlet; faulty motor.	Check power supply; reset safety switch; clear blockages; contact qualified technician if motor is faulty.
Pump runs continuously	Float switch stuck; continuous water inflow; faulty check valve.	Clean or free float switch; check for constant condensate flow; inspect or replace check valve.
Pump is noisy	Air in system; debris in pump; improper mounting.	Bleed air from system; clean pump reservoir; ensure pump is securely mounted.
Water leaks from pump	Loose connections; cracked housing; damaged seals.	Tighten connections; inspect housing for damage; replace seals if necessary.

SPECIFICATIONS

- **Model Number:** FP2943
- **Brand:** Aspen Pumps
- **Power Supply:** 230 Volt
- **Max Flow Rate:** 12 l/h (at 0 m head)
- **Recommended Max Head:** 10 m
- **Noise Level (at 1m):** 21 dB(A)
- **Max Water Temperature:** 60°C
- **Safety Switch:** 3.0 A, normally closed
- **Material:** Plastic
- **Product Dimensions:** 5.5 x 18.2 x 11.5 cm
- **Item Weight:** 1 Kilogram

WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Aspen Pumps FP2943, please refer to the documentation provided at the time of purchase or contact your authorized dealer or the manufacturer directly. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or further assistance, please visit the official Aspen Pumps website or contact their customer service department. Contact details can typically be found on the manufacturer's website or on the product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question