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SFA Sanicondens Pro V02

SFA Sanicondens Pro V02 Condensate Pump User Manual

Model: Sanicondens Pro V02 (SK6)

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1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your SFA Sanicondens Pro V02 condensate pump. Please read this manual thoroughly before installation and keep it for future reference.

The SFA Sanicondens Pro V02 is designed to automatically collect and discharge acidic condensates from condensing boilers (gas or oil, with appropriate neutralization) and air conditioning units. Its compact design and quiet operation make it suitable for domestic and light commercial applications.

2. SAFETY INSTRUCTIONS

- Electrical Safety:** Ensure the power supply matches the unit's specifications (230V, 50-60Hz). Always disconnect power before any installation, maintenance, or repair work. Installation must be performed by a qualified electrician in accordance with local regulations.
- Installation Location:** Install the pump in a location protected from freezing temperatures and direct water spray. Ensure adequate ventilation around the unit.
- Condensate Type:** This pump is designed for acidic condensates from boilers and air conditioners. For oil-fired boilers, a neutralization kit (e.g., Sanineutral or Sanineutral Mini) is required upstream of the pump to prevent damage and ensure proper operation.

- **Discharge Line:** Ensure the discharge pipe is correctly installed, free from kinks, and adequately supported to prevent backflow.
- **Children and Unauthorized Personnel:** Keep the unit out of reach of children and ensure only authorized personnel perform maintenance.
- **Damage:** Do not operate the unit if it appears damaged. Contact SFA customer support.

3. PRODUCT OVERVIEW

The SFA Sanicondens Pro V02 is a robust and quiet condensate pump designed for efficient removal of condensate. It features a large 2.2-liter tank capacity, which helps reduce motor start-up frequency, extending its lifespan. The unit can lift condensate up to 4.5 meters vertically and discharge it up to 50 meters horizontally.



Figure 1: Front view of the SFA Sanicondens Pro V02 condensate pump, showing its compact white and blue casing.



Figure 2: Side view of the SFA Sanicondens Pro V02, displaying product labels and technical specifications.

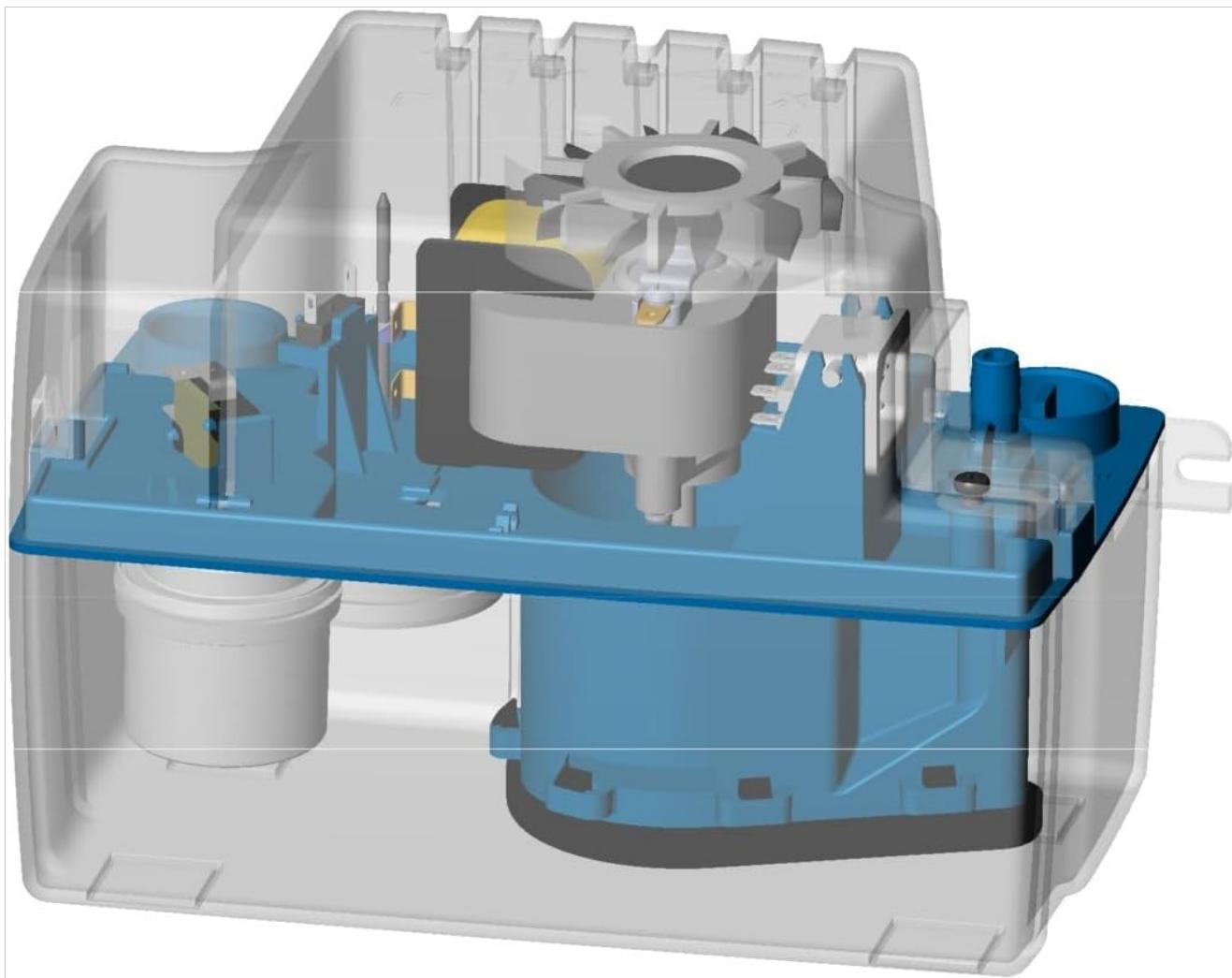


Figure 3: Transparent view illustrating the internal components of the Sanicondens Pro V02, including the motor and reservoir.

4. PACKAGE CONTENTS

Upon unpacking, please verify that all the following components are included:

- Sanicondens Pro V02 condensate pump unit
- Check valve (integrated or separate)
- Fixing kit (screws)
- Inlet and outlet adapters (50mm)
- Discharge hose (5 meters)
- Power cable (1.5 meters)
- Rubber stopper
- Pre-wiring cable for alarm connection

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	Sanicondens Pro V02 (SK6)
Dimensions (L x W x H)	26 x 13.5 x 17 cm

Feature	Specification
Weight	2.8 kg
Material	Plastic
Color	White
Power Supply	230 Volts, 50-60 Hz
Power Consumption	60 Watts
Max Flow Rate	342 Liters per hour
Max Vertical Lift	4.5 meters
Max Horizontal Discharge	50 meters
Tank Capacity	2.2 liters
Sound Level	Less than 45 dB

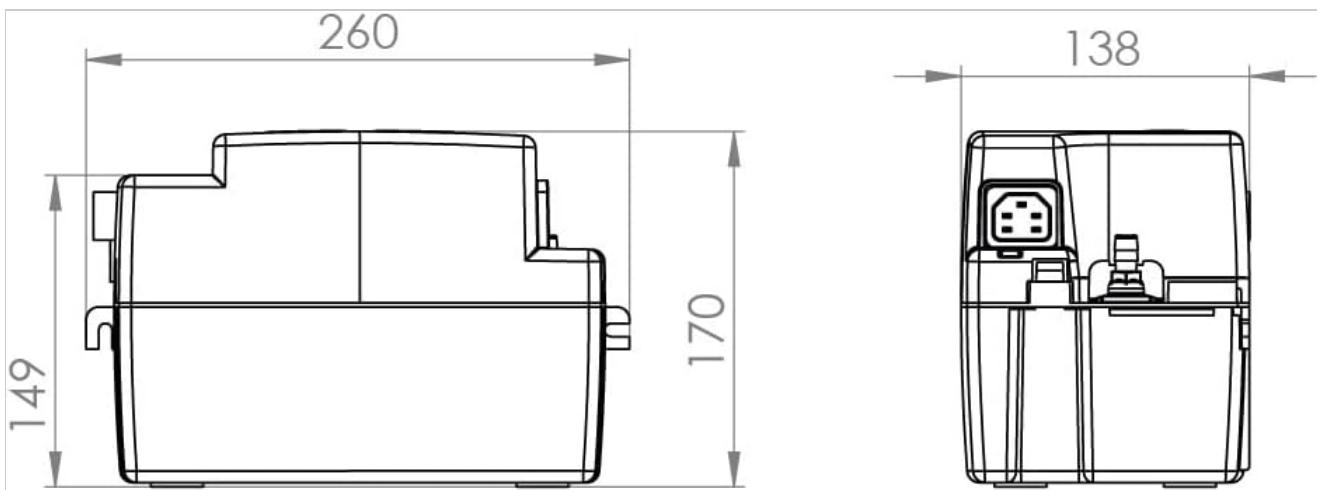


Figure 4: Technical drawing showing the dimensions (length, width, height) of the Sanicondens Pro V02 unit.

6. SETUP AND INSTALLATION

6.1. Choosing a Location

Select a flat, stable surface near the condensate source (boiler or air conditioner) and a suitable electrical outlet. Ensure the location allows for easy access for maintenance and is protected from extreme temperatures.

6.2. Connecting the Inlet

Connect the condensate drain line from your appliance to one of the inlet ports on the Sanicondens Pro V02 using the provided adapters. Ensure a secure, leak-free connection. If connecting to an oil-fired boiler, install a Sanineutral or Sanineutral Mini neutralization kit upstream of the pump.



Figure 5: Example installation of the Sanicondens Pro V02 pump positioned next to a boiler, showing condensate and discharge lines.



Figure 6: Top view of the Sanicondens Pro V02, highlighting the inlet and outlet connection points for condensate lines.

6.3. Connecting the Discharge Line

Attach the supplied 5-meter discharge hose to the pump's outlet. Route the hose to a suitable drain point, ensuring it has a continuous downward slope after reaching its maximum vertical lift. Avoid sharp bends or kinks that could impede flow. The integrated check valve prevents backflow.

6.4. Electrical Connection

Connect the 1.5-meter power cable to the pump and then plug it into a grounded electrical outlet. For safety, ensure the circuit is protected by a residual current device (RCD). The pump is designed for continuous operation as needed.

6.5. Alarm Connection (Optional)

The unit includes a pre-wiring cable for an alarm connection. This can be connected to an external alarm system to signal high water levels, preventing potential overflows. Consult a qualified technician for proper integration with your alarm system.

7. OPERATING INSTRUCTIONS

The SFA Sanicondens Pro V02 operates automatically. When condensate fills the internal tank to a predetermined level, a float switch activates the pump. The pump then discharges the condensate through the outlet pipe until the water level drops, at which point the pump deactivates. This cycle repeats as needed.

- **Initial Start-up:** After installation, ensure all connections are secure and power is supplied. The pump will activate once condensate begins to flow into the tank.
- **Normal Operation:** The pump will operate quietly and intermittently as condensate is produced. A sound level of less than 45 dB ensures minimal disturbance.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sanicondens Pro V02. Always disconnect the power supply before performing any maintenance.

8.1. Monthly Check

- Visually inspect the unit for any signs of leaks or damage.
- Check the inlet and outlet connections for tightness.
- Ensure the discharge hose is clear and free from obstructions.

8.2. Annual Cleaning

To prevent build-up and ensure efficient operation, clean the pump's reservoir annually:

1. Disconnect the power supply to the pump.
2. Disconnect the inlet and outlet pipes.
3. Carefully remove the pump unit.
4. Empty any remaining condensate from the reservoir.
5. Clean the inside of the reservoir and the float switch mechanism with warm water and a mild detergent. Avoid abrasive cleaners.
6. Rinse thoroughly and reassemble the unit.
7. Reconnect all pipes and the power supply.
8. Test the pump by pouring a small amount of water into the reservoir to ensure it activates and discharges correctly.

If a neutralization kit (Sanineutral) is used, check and replace the neutralizing granules as per the kit's instructions.

9. TROUBLESHOOTING

Before contacting customer support, please check the following common issues:

Problem	Possible Cause	Solution
Pump does not start	No power supply Float switch stuck Motor fault	Check power connection and circuit breaker. Clean the reservoir and free the float switch. Contact SFA service.
Pump runs continuously	Float switch stuck Discharge pipe blocked/kinked Check valve faulty	Clean the reservoir and free the float switch. Clear any obstructions in the discharge pipe. Inspect or replace the check valve.
Water leaks from unit	Loose connections Cracked casing Overfilled reservoir	Tighten all pipe connections. Contact SFA service. Check for discharge pipe blockage.
Pump is noisy	Air in pump Vibrations Debris in pump	Ensure proper priming. Check for air leaks. Ensure unit is on a stable surface. Clean the pump and reservoir.

If the problem persists after attempting these solutions, please contact SFA customer support.

10. WARRANTY AND SUPPORT

The SFA Sanicondens Pro V02 comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or spare parts inquiries, please contact SFA customer service. Keep your proof of purchase for warranty validation.

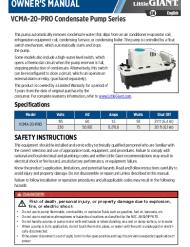
Contact Information:

Please refer to the official SFA website or your local distributor for the most up-to-date contact details.

SFA Group: www.sfa.fr

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Related Documents - Sanicondens Pro V02

	<p>SFA Sanicondens Pro/Eco v02 Condensate Pump Installation and Operation Manual</p> <p>Comprehensive installation and operation manual for SFA Sanicondens Pro and Sanicondens Eco condensate pumps. Covers technical specifications, safety warnings, installation procedures, and troubleshooting for heating and cooling systems.</p>
	<p>SFA SANICONDENS® Mini Installation Instructions and Technical Data</p> <p>Comprehensive installation guide, technical specifications, and troubleshooting for the SFA SANICONDENS® Mini condensate pump, designed for air conditioning, boilers, and refrigeration units.</p>
	<p>Little Giant VCMA-20-PRO Condensate Pump Series Owner's Manual</p> <p>Owner's manual for the Little Giant VCMA-20-PRO Condensate Pump Series, detailing installation, operation, safety instructions, and maintenance.</p>
	<p>OCXU Note: Portable Voice Recorder & Real-Time Translator Quick Guide</p> <p>A concise guide to setting up and using the OCXU Note, a portable voice recorder with real-time translation, transcription, and summarization features. Includes device overview, operation instructions, technical specifications, and regulatory information.</p>
	<p>Bosch MS 6 CUP EVO Engine Control Unit - High-Performance Motorsport ECU</p> <p>Detailed technical overview of the Bosch MS 6 CUP EVO Engine Control Unit, a high-performance ECU for gasoline engines up to 4 cylinders. Features include advanced processing, extensive I/O, internal logging, and flexible configuration for motorsport applications.</p>
	<p>Weil-McLain EVERGREEN Pro 110/155 Condensing Gas Boiler Advanced Manual</p> <p>Comprehensive advanced manual for Weil-McLain EVERGREEN Pro 110/155 condensing gas boilers, covering installation, advanced settings, multiple boiler configurations, wiring, and control operation.</p>

DECLARATION OF PERFORMANCE – EU REGULATION 305/2011 (CPR)
No. 01PUMP

1. Unique identification code of the product type: Lifting plants for faecal-free wastewater – Type V35 and V45.

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4): Type, production date and serial number marked on the product.

3. The intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Collection and subsequent treatment of wastewater above flood level.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
SFA
8, rue d'Aboukir F-75002 Paris France

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2): Not relevant.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Appendix V: System 3.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: Notified certification body No.0197, TÜV-Rheinland LGA Products GmbH, performed the initial type testing.

8. Not applicable.

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Watertightness	Tight	
Material	UHMW	
Lifting effectiveness	Conform	
Mechanical resistance	Conform	
Noise emission	53 dB(A)	
Durability	Conform	

EN12090-2

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

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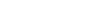
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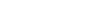
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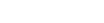
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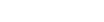
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