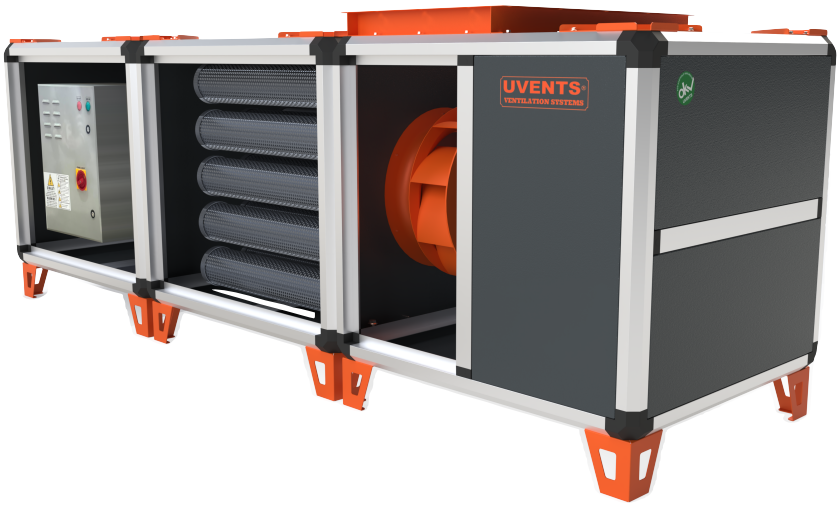
UVENTS



Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems
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1. SAFETY INFORMATION

- Read this manual carefully before installing or operating the unit.
- Installation and electrical connections must be carried out by qualified personnel.
- Disconnect all electrical power sources before maintenance.
- Ensure proper grounding of both fan and electrostatic system.
- Do not operate the unit without filters installed.
- Do not operate outside specified airflow and temperature limits.

2. GENERAL DESCRIPTION

UVS-PEF-H series are kitchen exhaust units designed for commercial ventilation applications. The system consists of a centrifugal fan, electrostatic filtration unit and modular cabinet sections. The unit provides high airflow capacity while removing grease and particles from exhaust air. It is suitable for continuous operation in professional kitchen environments.

3. TECHNICAL SPECIFICATIONS

Airflow Range	**3,890 to 25,000 m³/h**
Static Pressure	1000 to 1500 Pa
Motor Power	1.5 – 11 kW
Filtration Efficiency	95% – 99%
Number of Cartridges	16 – 108 pcs
Fan Input Voltage	380 V / 3 / 50 Hz
Construction	Modular cabinet system
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Commercial kitchens
- Restaurants
- Industrial kitchens
- Food production facilities
- Cooking exhaust systems

5. INSTALLATION

The unit must be installed on a flat and stable surface. Ensure correct alignment of modular sections before operation. Air inlet and outlet connections must match the duct system dimensions. Electrical connections must be performed separately for the fan motor and electrostatic filtration unit. Ensure proper sealing between sections to prevent air leakage.

6. OPERATION

Before starting the unit verify that all electrical connections are correct and filters are properly installed. Ensure that airflow paths are unobstructed. During operation monitor airflow performance and ensure proper functioning of the electrostatic filtration system.

7. MAINTENANCE

Disconnect electrical power before maintenance. Clean or replace filter cartridges periodically depending on usage conditions. Inspect electrostatic components regularly to ensure proper filtration performance. Check fan motor, electrical connections and cabinet seals. Regular maintenance is required to maintain efficiency and prevent grease accumulation.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Fan not starting	No power / wrong wiring	Check supply; verify wiring per diagram
Abnormal noise	Foreign object or misalignment	Inspect impeller/duct; tighten mounts
Low airflow	Clogged filters, blocked duct, fan malfunction	Clean/replace filters, inspect duct system, check fan operation

9. WARRANTY

Warranty period is 2 years from delivery against manufacturing defects. Improper installation, user errors, and electrical faults are excluded. Repair time is up to 30 business days after notification.

10. APPENDIX – ELECTRICAL DIAGRAM

*Before making electrical connections, cut off the power and have all electrical work done by authorized personnel.