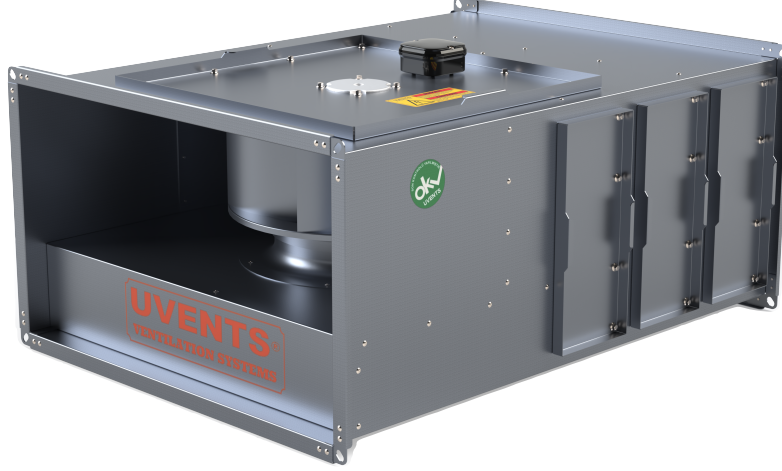


UVENTS



Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems

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1. SAFETY INFORMATION

- Read and retain this manual before operating the unit.
- This fan is designed for installation within rectangular duct systems.
- Do not operate the unit without filters properly installed.
- All electrical work must be performed by qualified personnel.
- Disconnect power before installation or maintenance.
- Ensure proper grounding and electrical protection according to IP44 standards.

2. GENERAL DESCRIPTION

UVS-UFU is a rectangular radial duct fan designed for use in ventilation systems with rectangular duct connections. The unit is manufactured with a galvanized body and aluminium sheet impeller. The series operates within an airflow range of 1,500 to 4,000 m³/h. The product includes a standard G4 filter and can be equipped with an optional active carbon filter depending on application requirements. It is suitable for use in buildings with duct systems such as factories, hospitals, offices, shopping malls, cafes and restaurants.

3. TECHNICAL SPECIFICATIONS

Airflow Range	1,500 – 4,000 m³/h (depending on model)
Static Pressure	500 to 600 Pa
Power Range	210 to 430 W
RPM	1,380 to 2,700
Noise Level	65 to 85 dB(A)
Body Material	Galvanized
Impeller Material	Aluminium sheet
Motor Insulation and Protection Class	IP 44 / F Class
Operating Temperature	-20 to +50 °C
Filtration	Standard G4 filter / Optional active carbon filter

4. AREAS OF USAGE

- Factories
- Hospitals
- Offices
- Shopping malls
- Cafes and restaurants
- Buildings equipped with rectangular duct systems

5. INSTALLATION

Install the unit inside a rectangular duct system according to airflow direction. Ensure airtight duct connections to prevent leakage. Provide sufficient access space for filter replacement and maintenance. The unit must be mounted on a stable support structure. Electrical connections must be made according to the motor nameplate and wiring diagram. Proper grounding is mandatory.

6. OPERATION

Verify that supply voltage and frequency match the motor nameplate ($\pm 5\%$). Ensure filters are properly installed before operation. During operation, monitor for abnormal vibration, noise or airflow reduction.

7. MAINTENANCE

Disconnect power before any intervention. Periodically inspect and replace the G4 filter when clogged. If installed, replace the active carbon filter according to usage conditions. Clean the internal impeller and housing surfaces to prevent dust accumulation. Ensure motor ventilation openings remain unobstructed.

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 filter, duct obstruction, incorrect installation	Replace filter; inspect duct; verify mounting and sealing

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.

