

USER MANUAL

EC Inline Mix-Flow Duct Fan

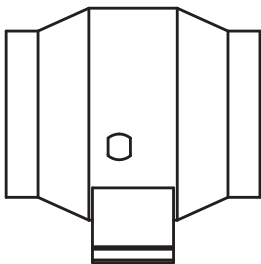
MODEL: ES4

Thank you for purchasing the TURBRO®
HVAC PRODUCTS.



IMPORTANT SAFEGUARDS.
READ ALL INSTRUCTIONS BEFORE USE.
WARNING! FAILURE TO FOLLOW
INSTRUCTIONS MAY LEAD TO DAMAGE
OF THE MACHINE OR PERSONAL INJURY.
RETAIN THIS MANUAL FOR FUTURE
REFERENCE.

TURBRO
AirSupply



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** All components of this fan are compliant with the ROHS eco-friendly standard.*



Important Safety Instructions

WARNING

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

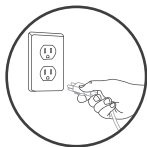
Do not install where children or pets have access to the fan blades.

To reduce the risk of fire, electric shock or injury, please observe the following during installation:

1. Please make sure the operating voltage is the same as the parametric label first.

120V 60Hz

NEMA 5-15P USA 3-pin Plug

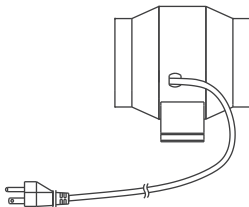


2. This duct fan is intended for indoor use only.
3. For general ventilating use only. Do not use to exhaust hazardous explosive materials and vapors.
4. Install with a duct on inlet and duct and/or fan attenuator/ silencer on the exhaust of the fan.
5. Install the guard screens if personnel have access to the inlet or exhaust of fan.
6. Do not use in a hazardous atmosphere or near chemical dust.
7. Do not use where there is significant moisture or where the humidity is above 90% RH.

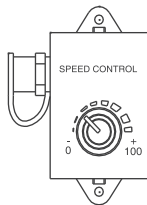
8. Do not use where the temperature is less than 15°F (-10°C) or above 140°F (60°C).
9. Do not use where there is significant dust.
10. Ensure that the fan is switched off from the supply mains before removing the guard.
11. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Product Contents

1. Duct Fan System (Pre-wired with a 6 ft long cable and grounded 3-prong plug)



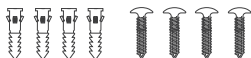
2. Variable Potentiometer (POT) Speed Controller



3. 16 ft Speed Controller Cable



4. Screws and Anchors for Duct Fan Installation



5. Screws and Anchors for Speed Controller Installation



Assembly Instructions

Knows Before Installation

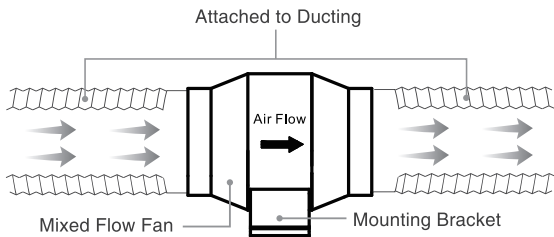
1. Unpack and check the fan for damage; ensure that the fan impeller spins freely without touching the fan housing.
2. Use a pre-filter (Not included) on the absorption axis (Not included) to prevent dust, oil and other foreign substances from building up on the impeller. Accumulation of dust and or foreign material can cause an out-of-balance impeller and excessive vibration. Excessive vibration will reduce fan life expectancy.

3. Use the appropriate attachment screws for the surface material being selected to mount the fan. And use the supplied mounting bracket (included) or hanger (not included).
4. This fan can be installed with the PVC hard ducting or aluminum soft ducting.
5. Do not install the fan on sheetrock or weak surface.
6. Do not deform the fan bracket or fan housing.
7. After completing the installation, please perform the test operation to confirm if the fan operates normally.
8. After turning the power on the fan should rotate freely and build up speed normally.
9. If there is abnormal noise or no rotation, check all connections and check power supply.

TOOLS REQUIRED

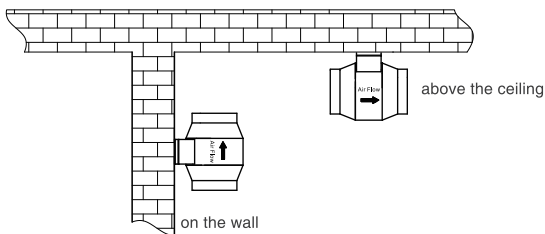


**Phillips
screwdriver**
(not included)

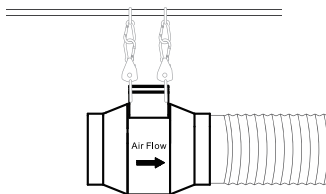


Mounting

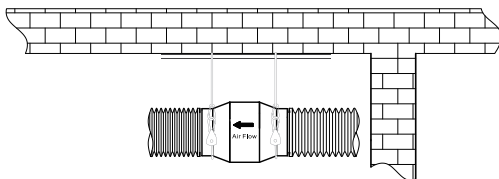
Duct fans can be installed vertically or horizontally on the wall or the ceiling, or hung up above the ceiling.



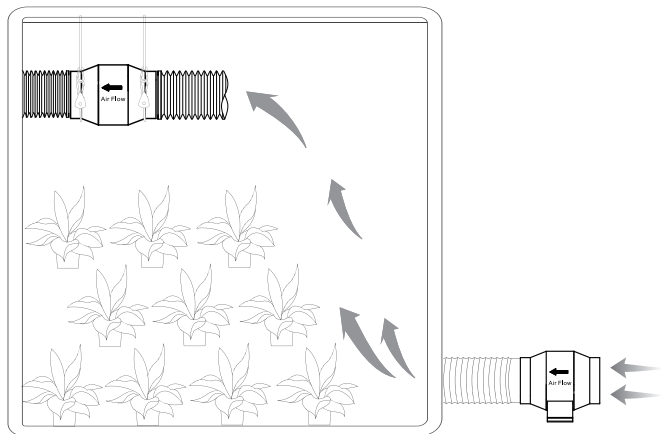
You may also hang the fan by looping the rope hangers (not included) around its mounting plate. Tighten the rope to secure the fan.



Make sure the fan's airflow arrow is pointing towards your desired direction.



Intake and Exhaust



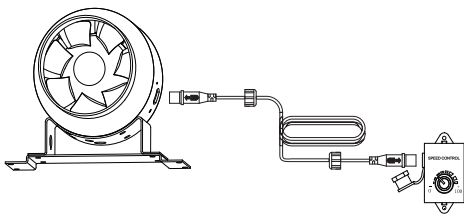
This fan can be used as either an intake fan or exhaust fan in grow rooms or tents to achieve optimal whole space ventilation.

- Used as the intake fan or opening: If it's not used as a fan, it must be situated at a bottom corner of your grow space.
- Used as the exhaust fan: It must be hung (shown above) or mounted at the highest opposite corner.

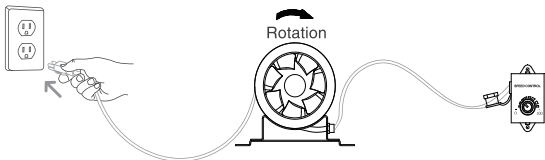
Make sure the intake fan's airflow arrow is pointing towards your grow space and the exhaust fan's arrow pointing away from your grow space.

Powering and Setup

Plug the duct fan's speed signal connector into the speed controller's port.



Then, plug the power cord into an 120V AC power outlet to power both the fan and controller.



Fan Speed Adjusting

1. The Speed Controller will allow the user to select the desired fan speed(RPM 0-100%).
2. The speed controller is for low voltage use only.
3. Always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the fan or speed controller.
4. Selecting different RPM will affect the volume of the air flow and the pressure in the duct.
5. The fan may be operated without the speed controller. In this case the RPM will default to the maximum RPM.

Cleaning and Care

IMPORTANT:

Always turn off the power or isolate the fan from the power source before cleaning.

Unplug the appliance when it's not in use.



Use a damp cloth to clean the impeller and fan blades of any dust and debris.

NEVER spray with liquids or submerge in liquids or water.

NEVER use abrasive or flammable solvents to clean the fan.

WARRANTY

TURBRO 2-YEAR LIMITED WARRANTY

What is covered?

TURBRO's warranty covers manufacturing and material defects for a period of 2-year from date of purchase, subject to the following conditions and limitations:

- This unit must be installed and operated at all times in accordance with the instructions furnished with the product. Any alteration, willful abuse, accident, or misuse of the product shall nullify this warranty.
- This warranty is non-transferrable, and is made to the original owner, provided that the purchase was made through an authorized supplier of the manufacturer. This warranty is limited to the repair or replacement of part(s) found to be defective in material or workmanship, provided that such part(s) have been subjected to normal conditions of use and service, and after said defect is confirmed by the manufacturer's inspection.
- The manufacturer may, at its discretion, fully discharge all obligations with respect to this warranty by refunding the wholesale price of the defective part(s)

What is NOT covered?

- Damage caused by the owner when attempting to fix or alter the product.
- Damage caused by misuse, abuse, neglect, alterations, or unauthorized repair.
- Natural depreciation.

How to request warranty services?

For warranty services, leave a message online www.turbro.com, or send an email to **support@turbro.com**. Our Customer Service Team will address your issue within 1 business day, usually sooner.

What will TURBRO do?

- Repair the item.
- Replace the item if not repairable.
- Refund the item under certain circumstances.

ALL EXPRESSED AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Website: www.turbro.com

Contact us: support@turbro.com



DISPOSAL

This product must not be disposed of via normal household waste after its service life but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment.

Please ask your local council where your nearest disposal station is located.

TURBRO



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