

## Maintenance

Before inspection or repair, ensure that the unit is disconnected from the mains electrical supply. Avoid excessive accumulation of dust and dirt on the motor. The fan impeller should be cleaned at least once a year to ensure trouble free operation. Do not clean the unit with strong detergents or cleaning fluids. Use a damp (not wet) cloth only for cleaning.

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## General Instructions TSK II Series





"KRUGER" domestic ventilator TSK II series are components to be installed in plants or machines to create ventilation systems, their purpose is to move gaseous liquids of the capacity and pressure as indicated. Correct installation is essential for health and safety of people during operation of the appliance, therefore the regulations indicated in these instructions must be observed and the mechanical protection must be prearranged.

If not properly installed the appliance may cause the risk of contact with the rotating fan, with consequent collision and abrasion. In addition, if it is not wired correctly, it may present risks related to electrical materials. Should the appliance be required to operate in isolation i.e. in laboratory test: it is necessary to block it appropriately and prearrange the protections to avoid contact with the rotating parts.

It is best to install the appliance as far as possible from areas usually occupied by people to avoid accessibility and to reduce exposure to noise.

### Installation and Wiring instructions

The TSK II range of in-line duct extractor fans has been manufactured to rigorous standards of production laid down by the International Quality Standards ISO 9001. All the components have been checked and tested at the end of the manufacturing process.

We recommend you to check the following when you receive the product:

- Make sure is the correct size and model.
- Details such as voltage, frequency, performance on the rating labels are those you require.

### Installation

- This unit must not be installed outside, unless covered by a suitable weatherproof enclosure.
- For installation, a robust mounting foot is available as an accessory.
- The fan should be installed to ensure minimum vibration and noise transmission to surrounding ductwork and building frames. Anti-vibration mountings and sound attenuating accessories are available. Please contact your local distributor.
- The fan should always be installed so that safe operation and maintenance can be ensured.

### Electrical connection

- Before installation and Wiring, ensure the main electrical supply is disconnected!
- Ensure that the voltage and frequency of the electrical supply match the information stated on the name plate of the unit (maximum recommended tolerance of voltage (V) and frequency (Hz)  $\pm 5\%$ )
- Connect the electrical supply in accordance with the electrical wiring diagram in Fig 1.
- Before operation, check all connections are correct and there are no obstructions to the airflow.
- On connecting the electrical supply, ensure the direction of rotation and airflow correspond with the direction of airflow/rotation arrows (sited on unit)

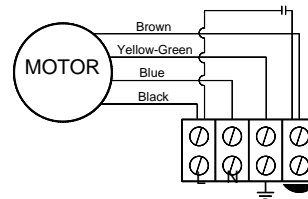
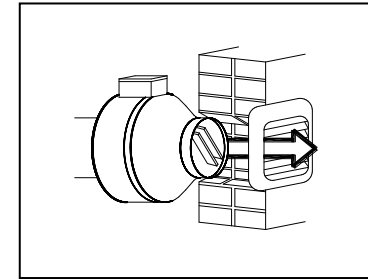


Fig. 1

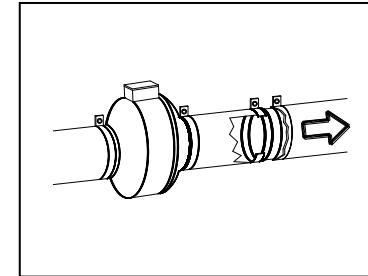
### Important Safety Information

- The installation should always be carried out in accordance with all current applicable Standards to the country in which it is installed.
- The installation should always be carried out by a suitably qualified and competent person.
- These fans are not for stand-alone use. They are designed to be incorporated into ducted systems, machines or where safe operation has been ensured by providing applicable protection to moving parts.
- Do not use this product in, or to extract from, potentially hazardous or explosive atmospheres.

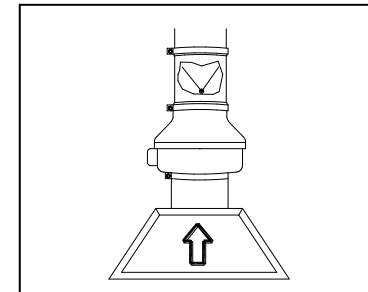
### Installation Methods



1. At the end of the duct. (with a protective grille on the outside wall.)



2. In the middle of the duct. (with a pipe clamp and backdraft shutter install near the outlet end)



3. For intake above a hood. (with pipe clamp and backdraft shutter fitted at the outlet end of the unit)