

INSTALLATION GUIDE

CENTRIFUGAL INLINE FAN

VKM EC 100/125/150/200/250/305



Tools required



Pencil



Drill (\varnothing 8 mm)



Screwdriver



Dowel NTW 8/45 (4 pcs.)



Screws 5x45 mm (4 pcs.)

MOUNTING

The air motion in the system must be as shown with the pointer of the fan casing.

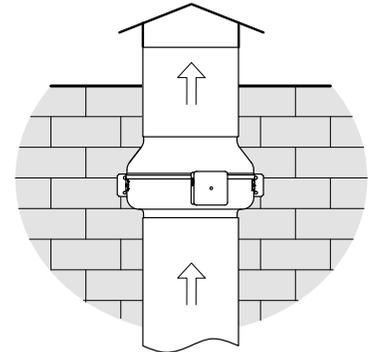
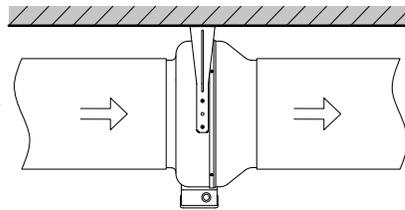
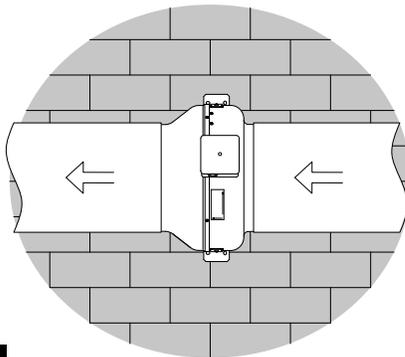
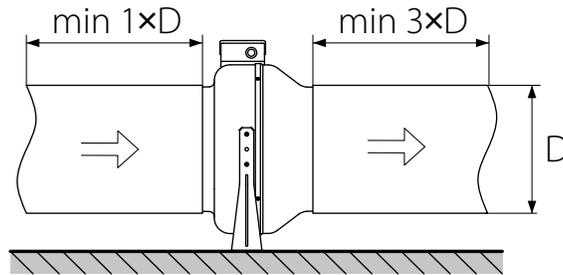
In case of the vertical installation the intake spigot must be protected with a ventilation hood.

To attain the best performance of the fan and to minimise turbulence-induced air pressure losses while mounting connect straight air duct sections to the fan spigots.

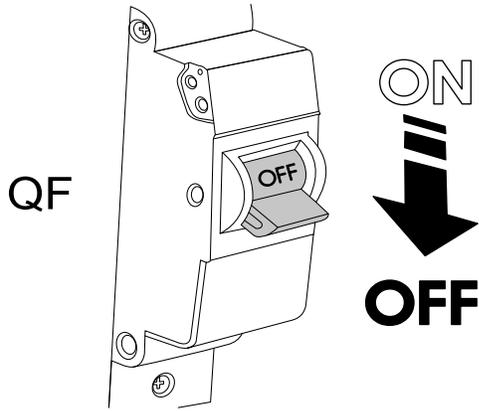
Minimum straight air duct length:

equal to 1 air duct diameter on intake side

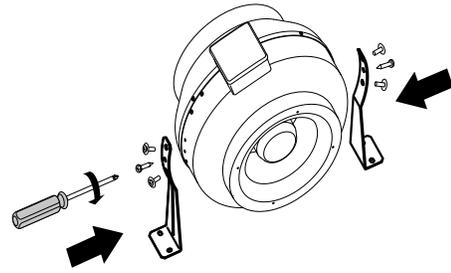
equal to 3 air duct diameters on outlet side



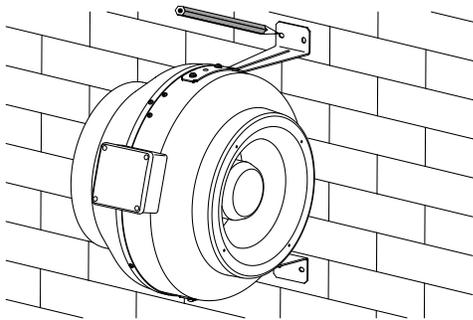
INSTALLATION STEPS



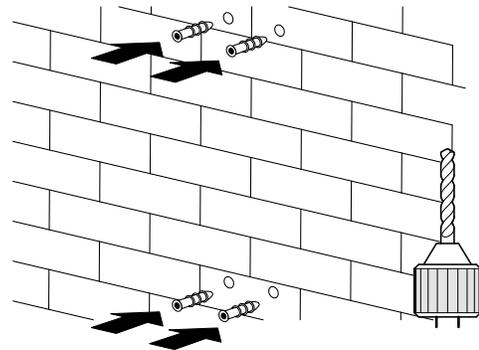
Disconnect the fan from power supply



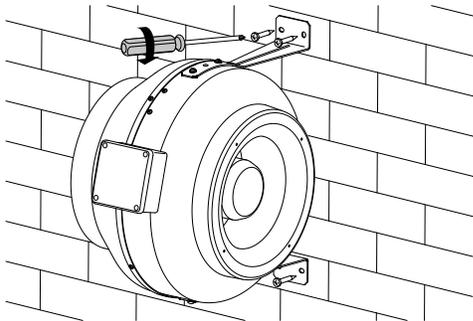
Install the fixing brackets



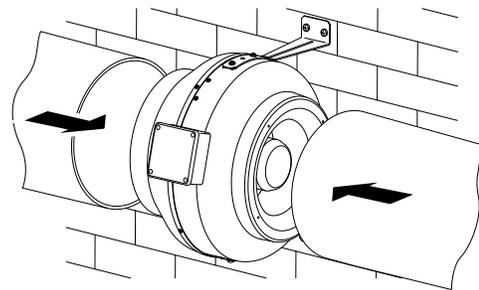
Lean the fan against the installation place and mark the fastening holes



Drill the holes and insert the expansion anchors



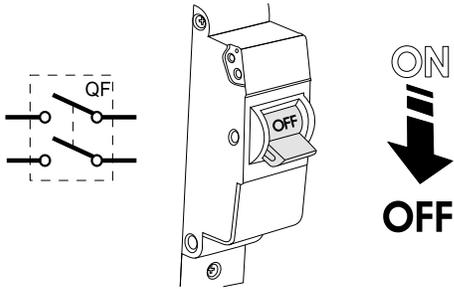
Fix the fan



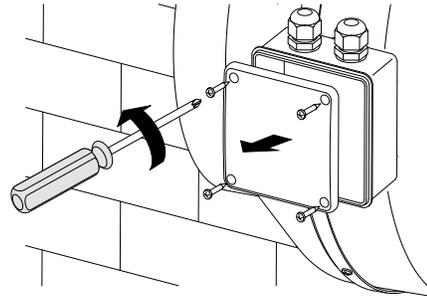
Connect air ducts



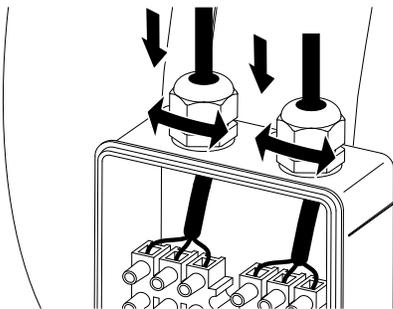
ACCESS TO THE TERMINAL BOX



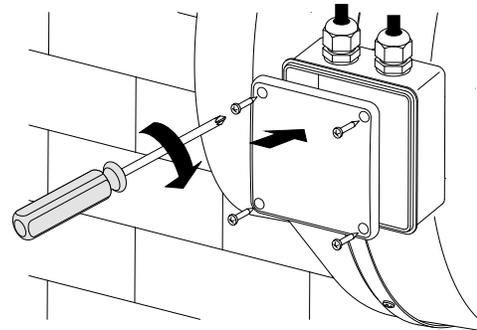
Disconnect the fan from power supply



Unscrew the 4 screws that fix the terminal box lid



Route the cables through the cable gland and complete electric connection

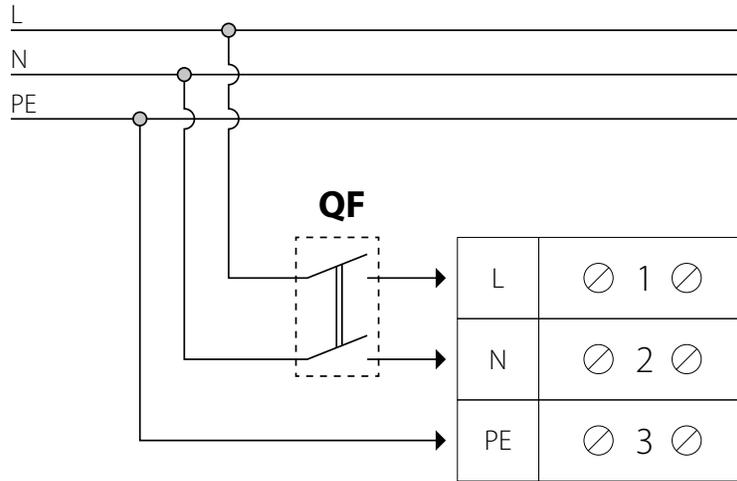


Install the terminal box cover again

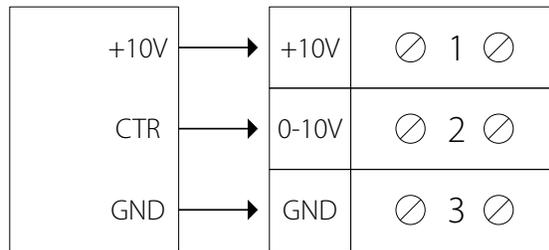


Connection of the fan to power supply is performed via the terminal block located in the terminal box attached to the fan casing in compliance with the wiring diagram and designation of terminals.

EXTERNAL WIRING



The recommended fan speed controller is Vents R-1/010.



For smooth air flow control it is recommended to use the speed controller R-1/010.
The speed controller is not included in the delivery set and is available as a specially ordered accessory.

