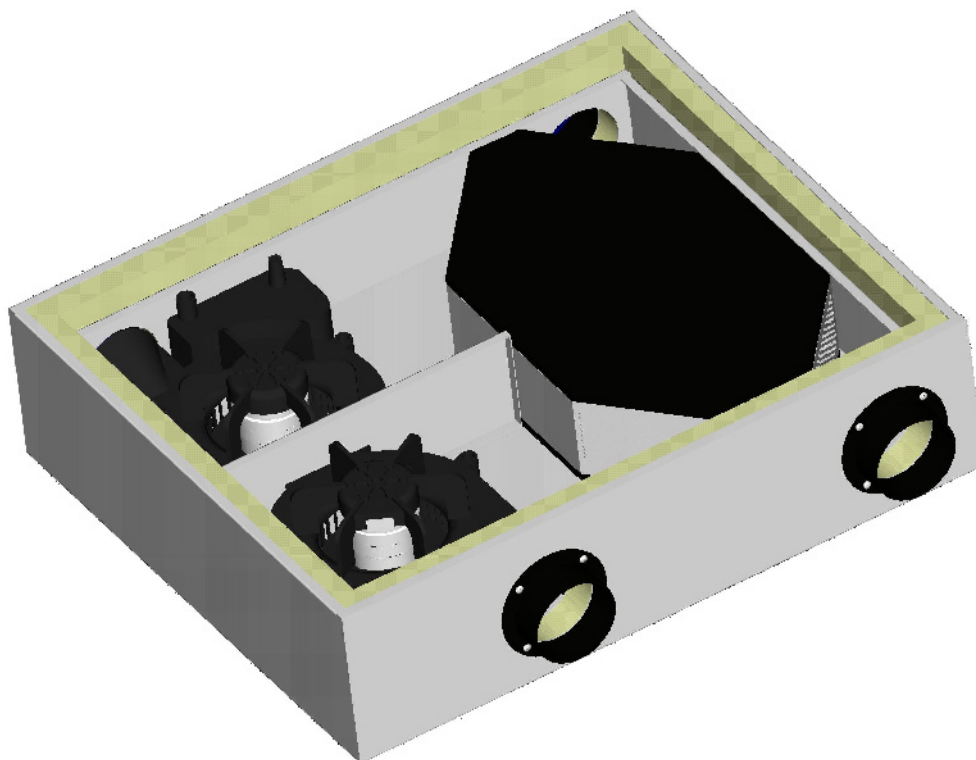




Installation, Mounting and Maintenance

WRL-100



SCHAKO KG
Steigstraße 25-27
D-78600 Kolbingen
Telephone +49 (0) 74 63 - 980 - 0
Fax +49 (0) 74 63 - 980 - 200
info@schako.de
www.schako.de

Installation, Mounting and Maintenance WRL-100

Contents

Description	3
Models and dimensions	5
Dimensions	5
Technical Data	5
Circuit diagram	5

Installation, Mounting and Maintenance WRL-100

Description

1. Mounting

Storage:

The living area ventilation component WRL 100 must be stored dry and dust-free.

Make sure that the open connections of the living area ventilation component WRL 100 are sealed dust-proof up to the connection to the duct system. Before connecting it to the duct system, the cover must be removed. After installation of the living area ventilation component WRL 100 and of the remaining components is complete, the intake and exit openings must be sealed dust-proof, in order to prevent dust or dirt from entering the living area ventilation system during the further construction stage.

Assembly:

The living area ventilation component WRL 100 must be mounted at the intended locations in accordance with the planning documents. The planning documents are enclosed with the delivery.

The living area ventilation component WRL 100 has fixing lugs (BL) attached to it (see Figure 1). The fastening material is included in the delivery.

The living area ventilation component WRL 100 must be mounted at an inclination angle of about 3° toward the condensate drain (KA).

1. Mounting to the floor (see Figure 2a)
2. Mounting below the ceiling (see Figure 2b)
3. Mounting to the wall (see Figure 2c)

The condensate drain (KA) must be connected to a suitable wastewater drain system.

The living area ventilation component WRL 100 must be readily accessible for maintenance purposes.

Connection:

The supply and return air connections of the living area ventilation component WRL 100 are connected to the duct by the following procedure:

The duct piece (KS) must be slipped onto the connection piece of the living area ventilation component WRL 100 and sealed airtight using the enclosed adhesive tape (-KB) (see Figure 3).

The supply and return air hoses must be connected to the correct connection piece of the living area ventilation component WRL 100. The connection pieces of the living area ventilation component WRL 100 are marked accordingly (see Figure 4).

The electrical installation must be carried out in accordance with the VDE (VDE 100/EN or IEC standards).

The electrical installation must be carried out as shown on the circuit diagram (see Figure 6).

Commissioning:

Before commissioning, the system must be checked for correct installation and connections. Moreover, the covers on the supply air and return air openings of the system must be removed. After commissioning, the supply and return air volumes must be checked.

2. Operating instructions

The living area ventilation component WRL 100 is operated via a three-contact switch.

Stage 0 = System off

Stage 1 = Minimum volume

Stage 2 = Maximum volume

3. Maintenance instructions

The filters must be checked at regular intervals and replaced when soiled. The filter maintenance intervals depend on the degree of pollution of the air throughput.

After installation, it is recommended checking the filter no later than every three months. If two successive maintenances do not show heavy pollution, the maintenance interval can be extended to twice a year.

Furthermore, the condensate connection must be checked once a year as to whether it is still properly connected to the wastewater drain system. The outside air intake grille must be subjected to a visual inspection once a year and cleaned when required.

When a malfunction occurs at the ventilation unit, suitable skilled personnel must be commissioned with inspection and repair.

Installation and commissioning must be carried out according to the specifications, since any non-observance may result in damage to the living area ventilation component WRL 100 or to the remaining components.

Installation, Mounting and Maintenance WRL-100

Figure 1: Fixing lugs

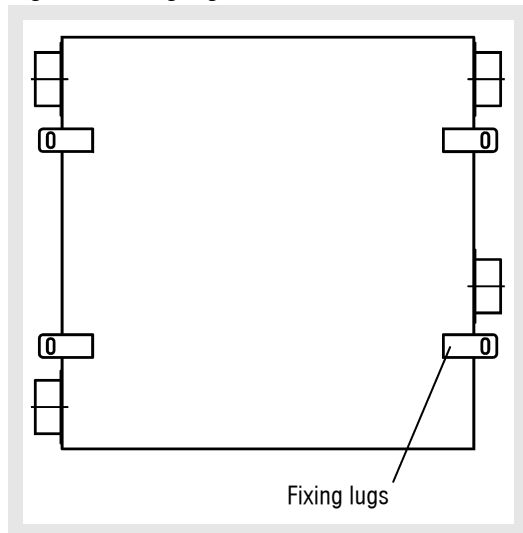


Figure 2a: Mounting to the floor

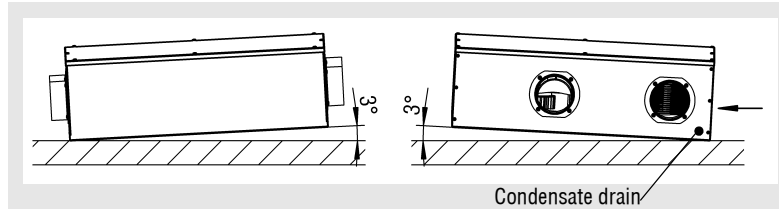


Figure 2c: Mounting to the wall

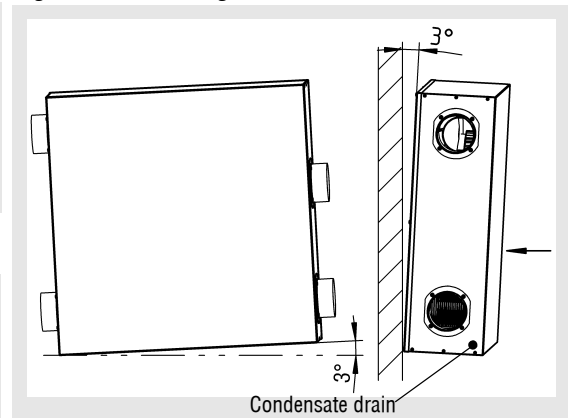


Figure 2b: Mounting below the ceiling

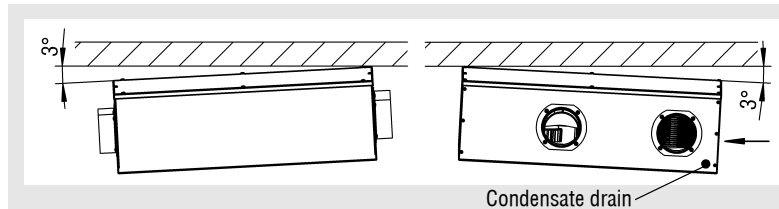


Figure 3

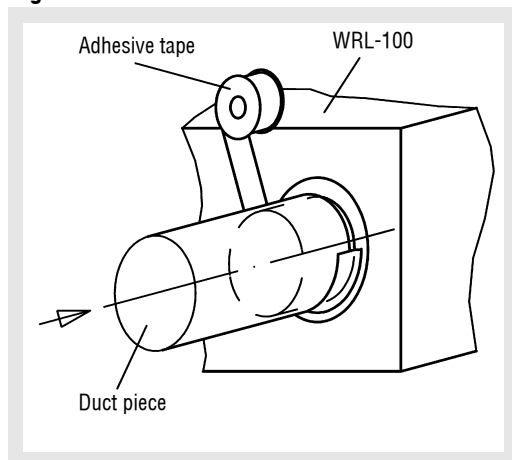
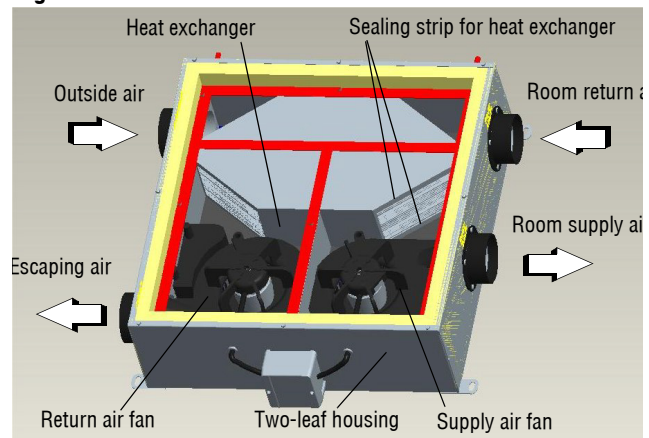


Figure 4:

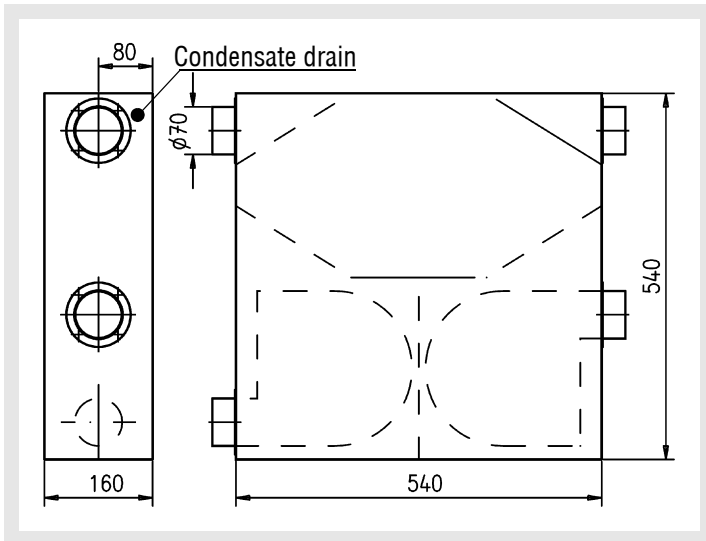


Installation, Mounting and Maintenance WRL-100

Models and dimensions

Dimensions

Figure 5:



Technical Data

Circuit diagram

Figure 6:

