



WZA

► Assembly, installation and operating instructions

Keep these instructions in a safe place for future use!

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1 General

1.1 About these instructions

These instructions ensure the safe and efficient handling of this equipment. These instructions form an integral part of the equipment and have to be kept in the direct vicinity of the equipment and available to personnel at all times.

All personnel must have carefully read through these instructions prior to commencing all work on the equipment. A fundamental prerequisite for safe working is compliance with all the stated safety instructions and other instructions contained in this manual.

In addition all local occupational health and safety at work regulations apply, as do general safety provisions governing the use of the equipment.

Illustrations in this guide are intended to provide a basic understanding and may differ from the actual model.

Ongoing tests and further developments may result in small variations between the unit supplied and the instructions.

1.2 Explanation of Symbols



WARNING!

This combination of symbol and signal word indicates a possible hazardous situation.



IMPORTANT NOTE!

It represents a potentially hazardous situation, which could lead to damage to property or for a measure to optimise workflows.



IMPORTANT NOTE!

This symbol highlights useful hints, recommendations and information for efficient and trouble-free operation.

2 Safety

This section provides an overview of all important safety aspects to ensure optimum protection of personnel as well as safe and trouble-free operation. In addition to the safety instructions in these operating instructions, the valid safety, accident prevention and environmental protection regulations must be observed for the area of use of the unit. It is the duty of the operator to ensure that instructions relating to maintenance (e.g. relating to hygiene) are complied with.

Mains power supply/Mains power cable

- ▶ Do not route close to heaters.
- ▶ Do not route under heavy objects that could alter the cross-section of the mains power cable.
- ▶ Only use the unit with the stated mains voltage! Incorrect connection to a mains power socket can lead to fire or electrocution.
- ▶ Do not use the unit if the mains power plug or mains power cable are faulty or damaged.
- ▶ De-energise the unit by disconnecting the plug before commencing maintenance work!



IMPORTANT NOTE!

Do not damage the unit by heavy loads!

Avoid heavy loads (this is not a seat), as this may damage the casing and can impair the operation of the unit.



DANGER!

Avoid electric shocks and/or fire hazards!

Prevent liquids or flammable cleaning agents from penetrating the unit.

- ▶ Do not clean the unit with water, flammable cleaning agents or other liquids.

2.1 Correct use

Intended use of the unit also includes adherence to these instructions.

Information in accordance with EN60335-1

- ▶ This unit can be used by children aged 8 years or more and also by people with reduced physical, sensory or mental capabilities or a lack of experience and knowledge, if they are supervised or have been instructed in the safe use of the unit and the resulting dangers. Do not allow children to play with the unit. Do not allow children to clean and maintain the unit without supervision.
- ▶ The unit is not intended for operation above 2,000 m.a. s.l.
- ▶ This unit is not intended for permanent connection to the drinking water supply system.
- ▶ This unit is intended for being accessible to the general public.

Any use beyond or other than the stated intended use is considered as misuse.

Any change to the unit or use of non-original spare parts will cause the expiry of the warranty and the manufacturer's liability.

2.2 Limits of operation and use

Operating voltage	
Power/current consumption	On the typeplate

Tab. 1: Operating voltage

Variable	Value	Unit
Ambient temperature	5 – 40	°C
Max. relative air humidity	90	%
Air intake temperature	-10 – 40	°C



IMPORTANT NOTE!

Warning of misuse!

In the event of misuse, as itemised below, there is a danger of limited or failing operation of the unit. Ensure that the airflow can circulate freely.

- ▶ Never operate the unit in humid areas, such as swimming pools, wet areas etc.
- ▶ Never operate the unit in rooms with an explosive atmosphere.
- ▶ Never operate the unit in aggressive or corrosive atmospheres (e.g. sea air).

2.3 Risk from electrocution!



DANGER!

Risk of fatal injury from electrocution!

Contact with live parts will lead to fatal injury from electrocution. Damage to the insulation or individual components can lead to a fatal injury.

- ▶ Only permit qualified electricians to work on the electrical system.
- ▶ Immediately disconnect the system from the power supply and repair it in the event of damage to the insulation.
- ▶ Keep live parts away from moisture. This can cause a short circuit.
- ▶ Properly earth the unit.

2.4 Duties of the operator

Operator

The operator is the person who operates the unit for commercial or business purposes himself or arranges for a third party to use it and bears the legal product responsibility for protection of the user, personnel or third parties during its operation.

Duties of the operator

The unit is operated in the commercial sector. The operator of the unit is therefore subject to the legal obligations concerning occupational health and safety.

In addition to the safety instructions in these operating instructions, the valid safety, accident prevention and environmental protection regulations must be observed for the area of use of the unit.

The following applies in particular:

- ▶ The operator must be aware of the applicable health and safety regulations and determine in a risk assessment other hazards that may arise from the special working conditions at the site of operation. The operator then has to implement this in the form of operating instructions for the operation of the unit.
- ▶ The operator must regulate and specify the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- ▶ The operator must ensure that all staff who work on the unit have read and understood these instructions. In addition, they must also train personnel and inform them of the possible dangers at regular intervals.
- ▶ It is the responsibility of the operator to provide maintenance and repair personnel with the necessary personal protective equipment and advise them of the necessity to wear it.

Furthermore, the operator is responsible for ensuring that the equipment is always in perfect condition.

The following therefore applies:

- ▶ The operator must ensure that the maintenance intervals described in this manual are adhered to.

Hygiene requirements

The operator must comply with the specifications in line with the pertinent legal standards and guidelines relating to hygiene applicable at the installation site. This includes ensuring that

- ▶ the pertinent maintenance and test intervals are complied with,
- ▶ the requirements for air ducts and diffusers are complied with,
- ▶ the predefined filter grades are complied with.

2.5 Personnel requirements - Qualifications

Expertise

The installation of this product requires specialist knowledge of heating, cooling, ventilation, installation and electrical engineering. This knowledge, generally learned in professional training in one of the fields mentioned above, is not described separately.

Damage caused by improper installation is the responsibility of the operator or installer. The installer of these units should have adequate knowledge of the following gained from specialist professional training

- ▶ Safety and accident prevention regulations
- ▶ Guidelines and recognised technical regulations, i.e. Association of German Electricians VDE regulations, DIN and EN standards.
- ▶ VDI 6022; maintenance personnel must be trained to Category B (possibly Category C) to comply with hygiene requirements (as required).

The installation, operation and maintenance of this unit must comply with the applicable laws, standards, provisions and regulations in the respective country and the current state of the art.

2.6 Personal Protective Equipment

Personal protective equipment is used to protect people from impaired safety and health when working with the unit. The applicable accident prevention regulations at the place of use apply in all cases.

Personnel have to wear personal protective equipment during maintenance and troubleshooting on and with the unit.

3 Transport, storage and packaging

3.1 General transport instructions

Check on delivery for completeness and transport damage.

Proceed as follows in the event of visible damage:

- ▶ Do not accept delivery or only accept with reservations.
- ▶ Record any transport damage on the transportation documents or on the transport company's delivery note.
- ▶ Submit a complaint to the freight forwarder.



IMPORTANT NOTE!

Warranty claims can only be made within the applicable period for complaints. (More information is available in the T&Cs on the Kampmann website)



IMPORTANT NOTE!

Material damage caused by incorrect transport!

Units being transported can drop or topple over if transported wrongly. This can cause serious material damage.

- ▶ Proceed carefully when unloading the equipment on delivery and when transporting it on site and note the symbols and instructions on the packaging.
- ▶ Only use the holding points provided.
- ▶ Only remove packaging shortly before assembling the unit.

3.2 Scope of delivery



IMPORTANT NOTE!

Check the scope of delivery!

- ▶ Check the delivery for damage.
- ▶ Check that the articles and type numbers are correct.
- ▶ Is the delivery and number of items delivered correct?

3.3 Storage

Store packaging under the following conditions:

- ▶ Do not store outdoors.
- ▶ Store in a dry and dust-free place.
- ▶ Store in a frost-free place.
- ▶ Do not expose to aggressive media.
- ▶ Protect from direct sunlight.
- ▶ Avoid mechanical vibrations and shocks.



IMPORTANT NOTE!

Under certain circumstances, packages can carry storage instructions that exceed the requirements listed here. Comply with these instructions accordingly.

3.4 Packaging

Handling packaging materials



IMPORTANT NOTE!

Dispose of packaging materials in line with the applicable statutory requirements and local regulations.

4 Technical data

Air volume flow [mm]	1000	800	600	400
Degree of temperature change ¹¹	71	74	78	84
Degree of humidity change ¹⁰	57	61	66	72
Supply air temperature ¹⁰	17.0	17.5	18.2	19.2
Supply air relative humidity	37	36	35	33
Electrical power consumption ¹²	312	176	100	56
Sound pressure level ⁴	39	35	29	22
Sound power level	51	47	41	34

Tab. 2: Technical data, WZA

Components	Weight [kg]
Functional unit	136
Enthalpic unit	136
Casing	110

¹¹ according to EN 308

¹⁰ At outside air temperature 5 °C, 70% relative humidity; extract air temperature 22 °C, 30% relative humidity

¹² Power consumption of the optional electric heating coil (1 kW) is not included

⁴ The sound pressure level was calculated with an assumed room insulation of 12 dB(A). This corresponds to a distance of 4 m, a room volume of 200 m³ and a reverberation time of 0.5 s (in accordance with VDI 2081).

5 Construction and function

5.1 Overview

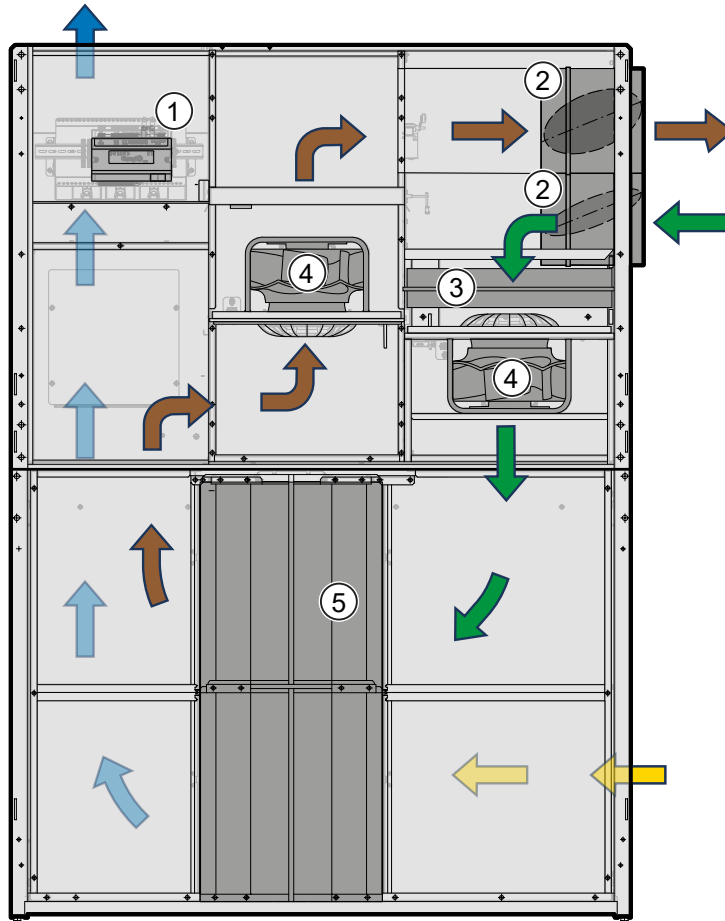


Fig. 1: WZA at a glance

1	Control	2	Locking flap with spring return motor
3	Outside air filter ISO ePM1>55 %	4	Backward-curved EC radial fan
5	Enthalpic heat exchanger with heat and humidity recovery		

5.2 Brief description

The WZA is a decentralised ventilation unit for acoustically sensitive rooms, such as classrooms and seminar rooms. Other applications include nursery schools, conference/meeting rooms and similar types of room.

WZA ventilates according to the air quality. A comfortable climate is created in the occupied zone, thanks to its special air outlet and the induction of secondary air. The preconditioned outside air enters the room as supply air through a mixed air diffuser.


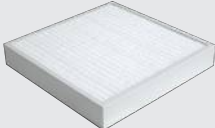
The control monitors and controls the air volume flows, temperatures, air quality, filters and operating times. Additional parameters are available on request.

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5.3 Wear parts list

Figure	Article	Properties	For use with	Art. no.
	ISO Coarse replacement filter	1 set = 1 no.	All WZA	683001020010
	ISO replacement filter ePM1>55% (F7)	1 set = 1 no.	All WZA	683001020710

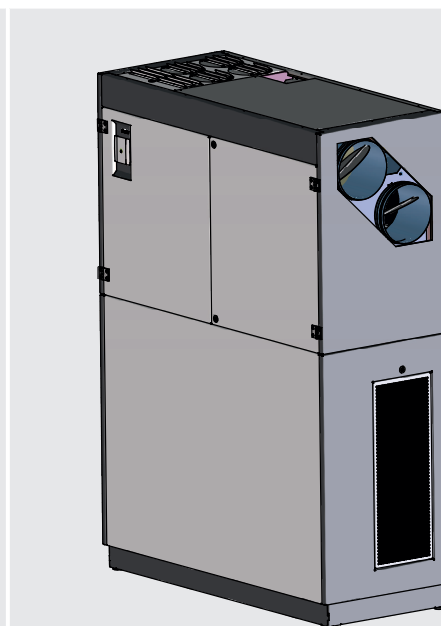
6 Installation and wiring

6.1 Connection options

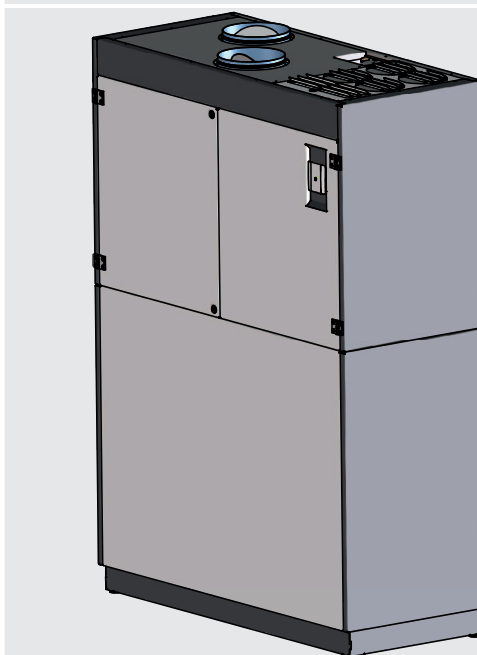
The school ventilation unit WZA is available in four different connection versions as shown in the figures below. The connection versions are defined by the position of the outside air and exhaust air connection:



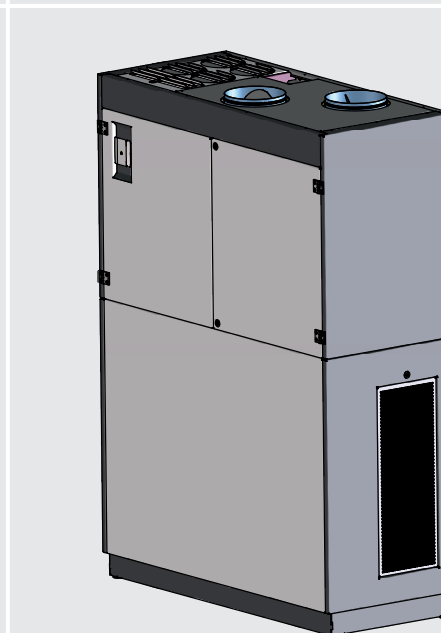
Connection on left side



Connection on right side



Connection at top left



Connection at top right

The construction and components included are identical for all units. The drawings and figures included in these instructions relate to connection on the right side and left side.

6.2 Requirements governing the installation site

Only install and assemble the unit if the following conditions are met:

- ▶ Make sure that the floor is sufficiently load-bearing to withstand the weight of the unit.
- ▶ Ensure that the unit is standing securely.
- ▶ Ensure that the airflow can circulate freely.

6.3 Minimum clearances

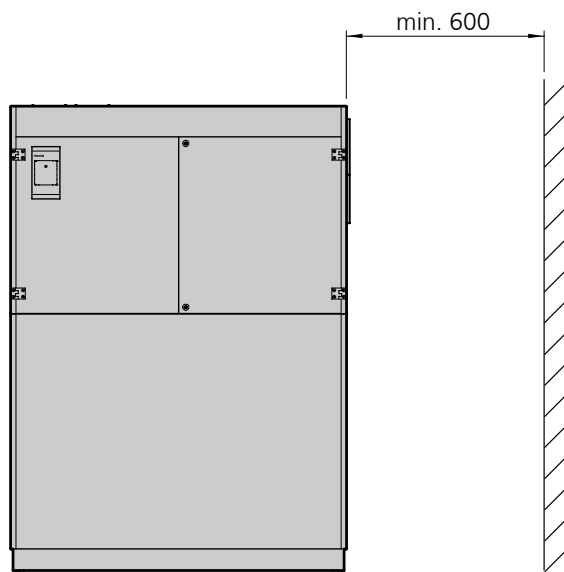


Fig. 2: Recommended minimum distance to the façade

6.4 Installation

Appropriate technical lifting equipment or 4 people are required for installation.



CAUTION!

Risk of injury from sharp metal housing!

The inner metal of the casing can have sharp edges.

- ▶ Wear suitable protective gloves.



CAUTION!

Risk of injury from crushing!

WZA units have a high inherent weight with the result that there is a risk of hands being crushed when placing one unit on top of the other!

- ▶ Keep hands away from the contact surfaces and use suitable lifting equipment when lowering the enthalpic unit onto the functional unit.



Perform all steps to install and set up the unit and fit the casing as shown in the video.

6.4.1 Installing the units



- ▶ Remove the separate pack from the functional unit.



- ▶ Set up the enthalpic unit using appropriate instruments (e.g. spirit level, laser) to level it and compensate for any possible unevenness by adjusting the height-adjustable feet.



- ▶ Adhere the sealing strip to all ducts that come into contact with air.

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- ▶ Fasten an appropriate lifting tool to the functional unit.



- ▶ Position the functional unit on the enthalpic unit.



- ▶ Remove any lifting tool used.



- ▶ Use 4 self-locking screws (M8x12) to connect the functional unit and enthalpic unit to the corner profiles.



- ▶ Use 4 earthing cables L= 300 mm to connect the functional unit and enthalpic unit to the corner profiles.



- ▶ Loosen screw TXP 25 from the electrical cover panel and remove the panel.
- ▶ Refit the casing once the unit has been reassembled.

6.4.2 Installing the casing

Note: The R and L labels indicate which casing elements are used for each unit:

R = right version

L = left version

The respective markings can be found on the packaging units.

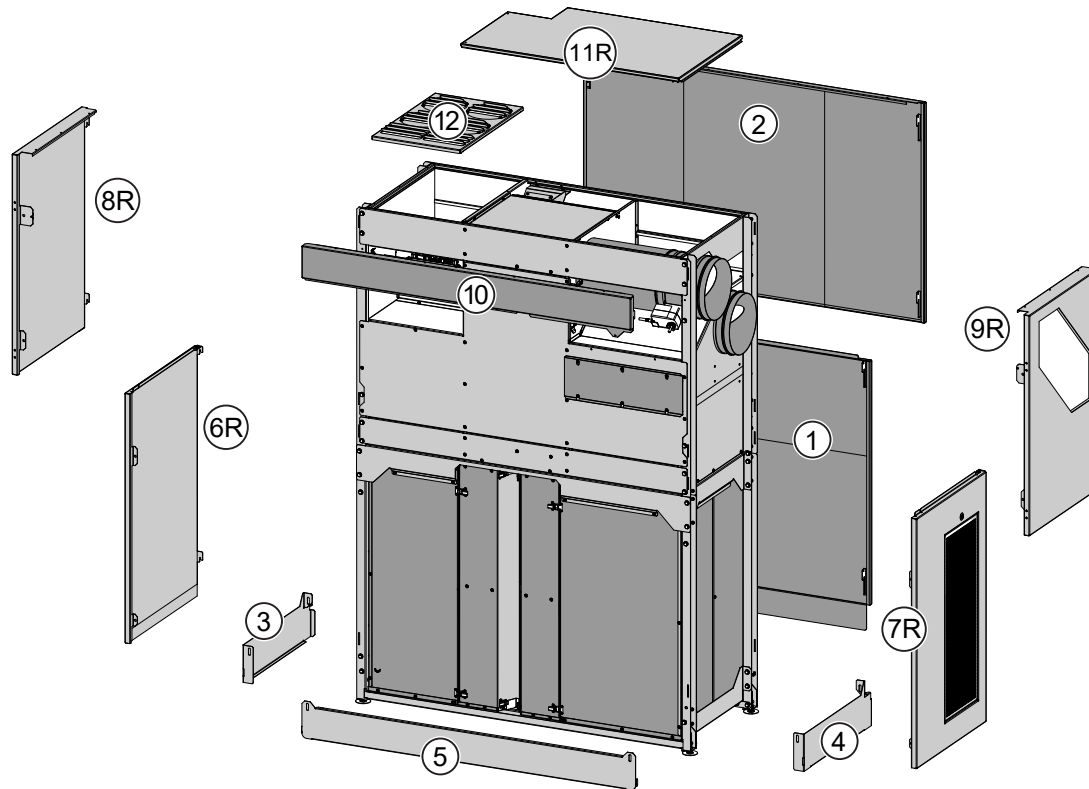
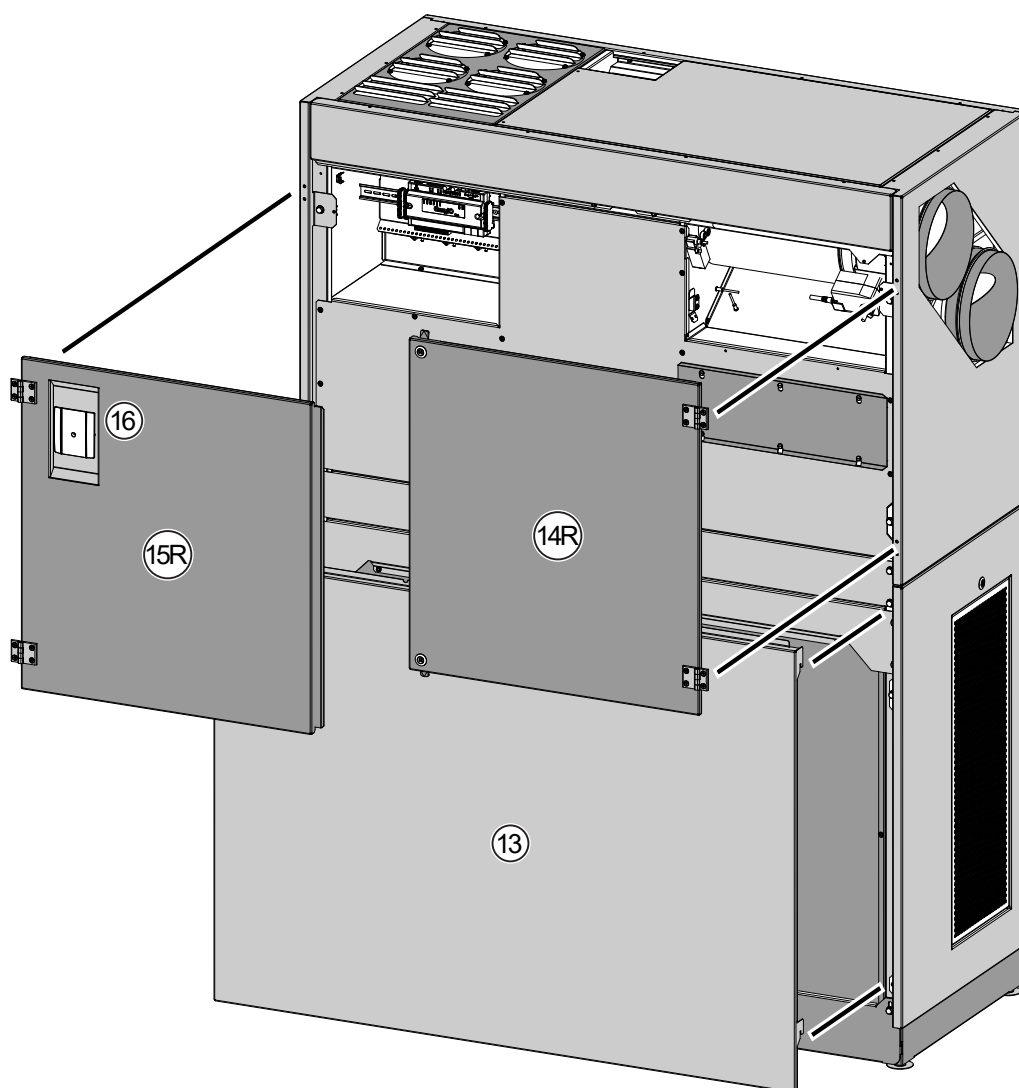


Fig. 3: Installation of casing elements (example: unit, right version)

1	Rear lower casing panel	2	Rear upper casing panel
3	Plinth panel, left	4	Plinth panel, right
5	Front plinth panel	6R	Room-side lower casing panel
7R	Window-side lower casing panel	8R	Room-side upper casing panel
9R	Window-side upper casing panel	10	Upper front panel
11R	Upper casing panel	12	Air outlet

- ▶ Install the casing elements one after each other in numerical order and connect with the earthing cables supplied.
- ▶ Use 2 self-locking screws M8x12 to attach each casing element 3 – 9 to the front of the unit.
- ▶ Use 2 self-locking screws M5x10 to attach casing element 10 to the front of the unit.
- ▶ Use screws M5x10 TXP25 to attach each casing element 2 and 8 – 11 to the top of the unit.

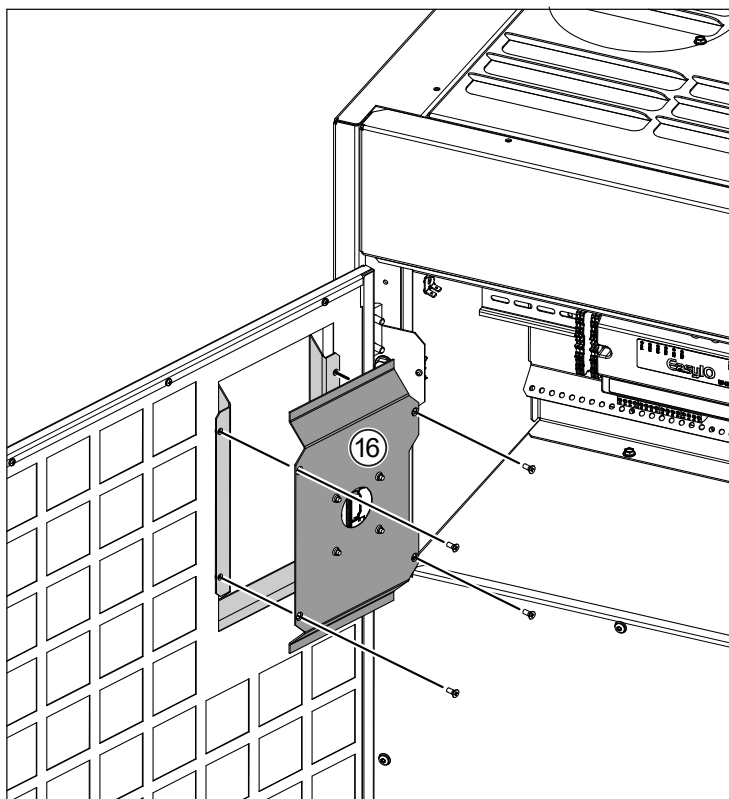
Installing the service flaps (example: unit, right version).



13	Lower service panel	14R	Right service door
15R	Left service door	16	Control unit

- ▶ Use 2 self-locking screws M5x10 to attach casing element 13 to the front of the unit.
- ▶ Use 4 countersunk screws M6x16 to attach each casing element 14 and 15 to the front of the unit.

Installing the control unit



- Use 4 countersunk screws M4x10 to screw the control unit 16 in place. **Caution:** The Kampmann logo must point upwards!

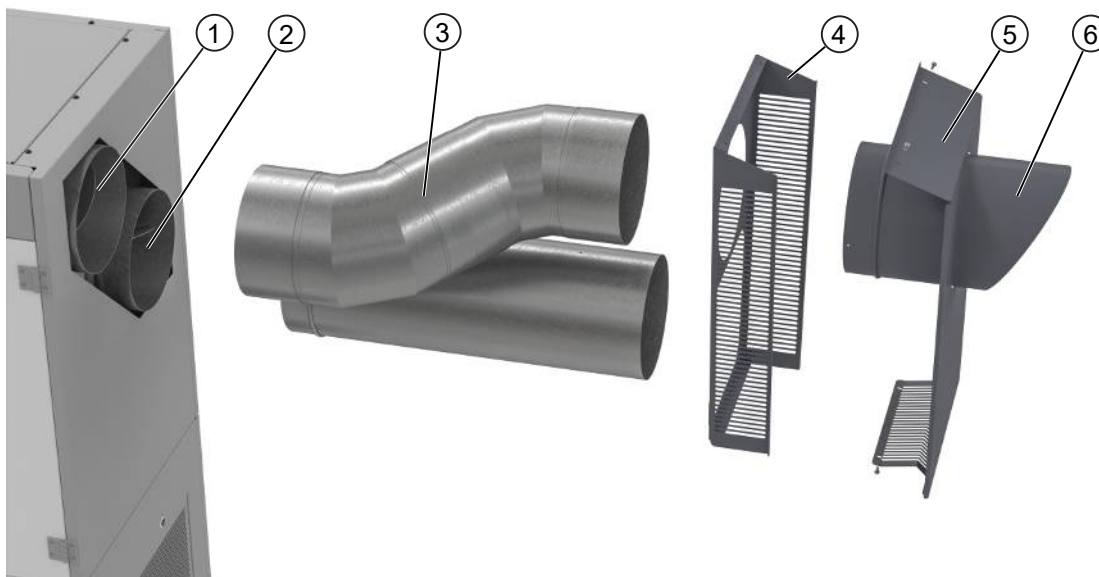
6.4.3 Connecting the DN50 pipework to the façade connection

Fig. 4: Connecting the pipework to the façade connection

Preparatory measures, such as drilling holes in the wall, ensuring access for connection to the façade and/or replacing a window element with a connection panel, need to have been completed **before** installation of the unit!

- ▶ Connect on-site pipe connections **3** to exhaust air spigots **1** and outside air spigots **2**.
- ▶ Fit the façade outlet (optional accessory).
 - Fasten the wall fixing **4** to the wall on site.
 - Push the exhaust air spigot **6** through the wall fixing **4** onto the pipe connection **3**.
 - Push the air outlet hood **5** onto the exhaust air spigot **6** and screw to the wall fixing **4**.
- ▶ It is essential that the pipework is insulated to avoid the formation of condensation. If the pipework is to be enclosed within a casing, then this also needs to be insulated!

6.4.4 Aligning the supply air outlet

The supply air outlet of the WZA is located on the top of the unit. Depending on the position of the unit in the room, the discharged supply air flow can be aligned or fanned out using 4 poppet valves.



- ▶ Slightly loosen the 4 self-locking screws M5x10 on each poppet valve.



- ▶ Align the poppet valve according to the geometry of the room.



- ▶ Fix the poppet valve by tightening the 4 self-locking screws M5x10.

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7 Electrical connection

- ▶ All RCCBs used must be all current-sensitive (type B). When the power supply to the unit is switched on, pulsed charging currents of the capacitors in the integrated EMC filter can cause residual current safety devices to trip.
- ▶ The electrical data needs to be respected when rating the in-situ mains power supply and fuses.

7.1 Maximum electrical rating values

WZA without electric supplementary heating coil	312 W
WZA with electric supplementary heating coil	1312 W

7.2 Power supply

The electrical connection area of the WZA is located on the top of the unit beside the supply air outlet. The unit is supplied ex-works wired with a plug and can be operated from a standard 230 V power socket.



- ▶ Insert the IEC (power) connector in the electrical connection area and connect to the standard 230 V power socket.

8 Pre-commissioning checks

When commissioning the device for the first time, ensure that all the necessary requirements are met so that the device can function safely and in accordance with its intended use.

Structural tests

- ▶ Check that the unit is securely standing and fixed.
- ▶ Check the horizontal installation/suspension of the unit.
- ▶ Check whether all components are properly fitted.
- ▶ Check whether all dirt, such as packaging or site dirt, has been removed.

Electrical tests

- ▶ Check whether all lines have been properly laid.
- ▶ Check whether all lines have the necessary cross-section.
- ▶ Are all wires connected in accordance with the electric wiring diagrams?
- ▶ Is the earth wire connected and wired throughout?
- ▶ Check all external electrical connections and terminal connections are fixed in place and tighten if necessary.
- ▶ Check whether you can hear the damper drives opening when the unit is switched on.

Air-side checks

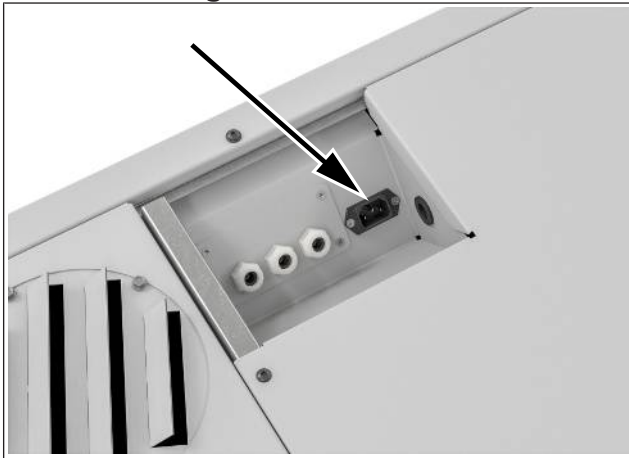
- ▶ Check whether there is unimpeded flow at the air inlet and outlet.
- ▶ Check whether the air inlet filter is fitted and dirt-free.
- ▶ Check whether the air outlets are aligned according to the geometry of the room.

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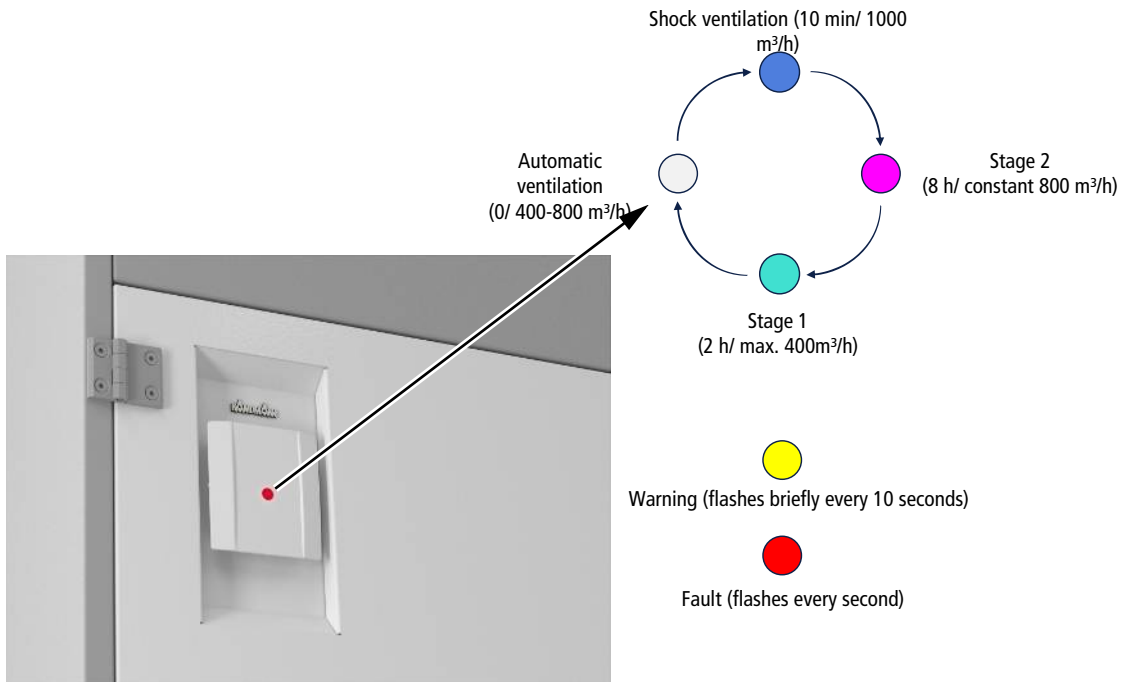
9 Commissioning



- Insert the connection cable supplied into the mains socket, then into the power socket.

10 Operation

Operating modes



Control unit with Solo key to set colour-coded operating modes

- ▶ The units starts up in "Automatic ventilation" mode.
- ▶ Press the Solo key: The unit switches to "Shock ventilation" mode and changes back to "Automatic ventilation" after 10 minutes.
- ▶ Press the Solo key: The unit switches to "Stage 2" mode and changes back to "Automatic ventilation" after 8 h.
- ▶ Press the Solo key: The unit switches to "Stage 1" mode and changes back to "Automatic ventilation" after 2 h.
- ▶ Standby: Indicator light still white
- ▶ Warning: Change filter in accordance with the "Change filter" chapter. Once the filter has been changed and the message has been acknowledged in the Service dashboard, the Solo key turns white again ("Automatic ventilation" mode).
- ▶ Fault: Fan is not running. Contact Customer Service. Once the fault has been eliminated and the message has been acknowledged in the Service dashboard, the Solo key turns white again ("Automatic ventilation" mode).

11 Maintenance

11.1 Securing against reconnection



DANGER!

Risk of death by unauthorised or uncontrolled restart!

Unauthorised or uncontrolled restarting of the equipment can result in serious injury or death.

- Before restarting, ensure that all safety devices are fitted and working properly and that there is no hazard to humans.

The units are switched off by a factory-fitted safety switch when the service door is opened. We nevertheless recommend securing the units to prevent them from being started up again accidentally.

Always follow the procedure described below to prevent accidental restart:

1. De-energise the units by disconnecting the mains power plug.
2. Prevent accidental re-connection.
3. Check that the equipment is de-energised.
4. Cover and cordon off adjacent live parts.

11.2 Maintenance Schedule:

The sections below describe maintenance work needed for the proper and trouble-free operation of the equipment.

If there are signs of increased wear during regular checks, shorten the required maintenance intervals to the actual wear and tear. Contact the manufacturer with any questions about maintenance work and intervals.

Interval	Maintenance task	Personnel
As required	Regular visual checks and acoustic checks for damage, dirt and function.	User
every six months	Check the electrical wiring.	Qualified personnel
every six months	Clean components/surfaces that come into contact with air.	Qualified personnel

11.3 Maintenance work

11.3.1 Replacing the filter.



CAUTION!

Risk of injury from sharp metal housing!

The inner metal of the casing can have sharp edges.

- ▶ Wear suitable protective gloves.



Perform all the steps to simply change the filter as shown in the video.



Check the outside air filter

- ▶ Use the locking lever to open the service flap **1**.
- ▶ Push the filter cover **2** up into the key holes and remove the filter cover.



- ▶ Remove the filter and dispose off it with household waste. Apply a foam strip to all sides of the new filter and push into place.



Check the extract air filter

- Use the locking lever **1** to open the filter flap **2**.
- Remove the extract air filter from the filter flap and clean it or replace it if seriously dirty.

11.3.2 Cleaning the enthalpic heat exchanger



Perform all the steps to clean the enthalpic exchanger as shown in the video.



- Use the locking lever to open the service doors.



- Remove the 2 self-locking screws M5x10 from the service panel.



- Remove the earthing cable from the service panel.



- ▶ Carefully lift the service panel and remove it.



- ▶ Remove the 2 self-locking screws M8x12 from the plinth.



- ▶ Remove the earthing cable from the plinth and remove the plinth.



- ▶ Loosen the 4 snap-in connections.



- ▶ Loosen the locking latch at the top and bottom.



- ▶ Pull the air duct element forwards and remove it.

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- Pull the enthalpic exchanger forwards and remove it.



- Using a household vacuum cleaner, carefully vacuum the enthalpic exchanger or wash it with water.

Reassemble the unit in reverse order!

11.3.3 Clean the inside of the unit

Check all elements that come into contact with air (internal surfaces of the unit, outlet elements etc.) for dirt or deposits during maintenance and use a commercially available product to remove.

Before cleaning it, first remove the enthalpic heat exchanger, as described in the section Cleaning the enthalpic heat exchanger [► 30].








Perform all the steps to clean the surfaces that come into contact with air as shown in the video.



- Check any surfaces that come into contact with air for dirt and clean them.



- Remove the screw TXP25 from the electrical cover panel and remove the panel.

	<ul style="list-style-type: none"> ▶ Remove the screws from the fan service panel.
	<ul style="list-style-type: none"> ▶ Pull the fan service panel forwards and remove it.
	<ul style="list-style-type: none"> ▶ Pull the fan drawer forwards and clean the impeller.
	<ul style="list-style-type: none"> ▶ Clean all surfaces of the functional unit that come into contact with air.
	<ul style="list-style-type: none"> ▶ Once you have completed all cleaning work, start to reassemble all parts in reverse order. First insert the fan service panel at the bottom, press into place, and fix with screws.

Caution: Restore all loosened earthing connections when reassembling the plinth and service panel!

12 Faults

The following chapter describes possible causes of faults and the work needed to rectify them. Should faults occur frequently, shorten the maintenance intervals in line with the actual loading on the unit.

Contact the manufacturer with any faults that cannot be rectified using the following information.

Behaviour in the event of faults

The following applies:

1. Immediately switch off the unit with faults that pose an immediate danger to persons or property!
2. Determine the cause of the fault!
3. Switch off the unit and prevent it from being reconnected if rectifying the fault requires work in the hazard area. Immediately advise a supervisor on site about the fault.
4. Either rectify the fault yourself or have it repaired by authorised personnel, depending on the nature of the fault.

The Fault table [► 34] provides information on who is authorised to rectify and remedy faults.

12.1 Fault table

Fault	Possible cause	Remedy
No function.	No power supply	Check the voltage.
		Replace fuse.
Solo key flashes yellow.	Filter differential filter exceeded.	Replace the filter.
Solo key flashes red.	Fan fault.	Call up the fault in the dashboard and replace the fan.

12.2 Start-up after rectification of fault

After correction of the fault, carry out the following steps for recommissioning:

1. Make sure that all maintenance covers and access openings are sealed.
2. Connect to the power supply.
3. Acknowledge the fault on the controller, if necessary.

13 Certificates



EU-Konformitätserklärung

EU Declaration of Conformity

Déclaration de Conformité CE

Deklaracja zgodności CE

EU prohlášení o konformite

Wir (Name des Anbieters, Anschrift):

We (Supplier's Name, Address):

Nous (Nom du Fournisseur, Adresse):

My (Nazwa Dostawcy, adres):

My (Jméno dodavatele, adresa):

KAMPMANN GMBH & Co. KG
Friedrich-Ebert-Str. 128-130
49811 Lingen (Ems)

erklären in alleiniger Verantwortung, dass das Produkt:

declare under sole responsibility, that the product:

déclarons sous notre seule responsabilité, que le produit:

deklarujemy z pełną odpowiedzialnością, że produkt:

deklarujeme, vědomi si své odpovědnosti, že produkt:

Type, Modell, Artikel-Nr.:

Type, Model, Articles No.:

Type, Modèle, N° d'article:

Typ, Model, Nr artykułu:

Typ, Model, Číslo výrobku:

683* WZA

auf das sich diese Erklärung bezieht, mit der / den folgenden Norm(en) oder normativen Dokumenten übereinstimmt:

to which this declaration relates is in conformity with the following standard(s) or other normative document(s):

auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s):

do którego odnosi się niniejsza deklaracja, jest zgodny z następującymi normami lub innymi dokumentami normatywnymi:

na který se tato deklarace vztahuje, souhlasí s následující(mi) normou/normami nebo s normativními dokumenty:

DIN EN ISO 3741

DIN EN 13141-8

DIN EN 55014-1; -2

DIN EN 61000-3-2; -3-3

DIN EN 61000-6-1; -6-2; -6-3

DIN EN 60335-1; -2-40

Akustik – Bestimmung der Schallleistungs- und Schallenergiepegel von Geräuschquellen

Lüftung von Gebäuden – Leistungsprüfung von Bauteilen

Elektromagnetische Verträglichkeit

Elektromagnetische Verträglichkeit

Elektromagnetische Verträglichkeit

Sicherheit elektr. Geräte f. den Hausgebrauch und ähnliche Zwecke

WZA

School ventilation

Assembly, installation and operating instructions



Gemäß den Bestimmungen der Richtlinien:

Following the provisions of Directive:
Conformément aux dispositions de Directive:
Zgodnie z postanowieniami Dyrektywy:
Odpovídající ustanovení směrnic:

2014/30/EU
2014/35/EU

EMV-Richtlinie
Niederspannungsrichtlinie

Frank Bolkenius

Lingen (Ems), den 10.08.2021

Ort und Datum der Ausstellung

Place and Date of Issue
Lieu et date d'établissement
Miejsce i data wystawienia
Místo a datum vystavení

Name und Unterschrift des Befugten

Name and Signature of authorized person
Nom et signature de la personne autorisée
Nazwisko i podpis osoby upoważnionej
Jméno a podpis oprávněné osoby



Richtlinie VDI 6022 Blatt 1 – Herstellererklärung

Hiermit erklärt der Hersteller **Kampmann GmbH & Co. KG**

des RLT-Geräts **Schullüftungsgerät WZA**

dass die von ihm gelieferten Komponenten und Geräte die Hygieneanforderungen der VDI 6022 Blatt 1 (Ausgabe 2018-01) erfüllen.

Der Unterzeichner besitzt die Qualifizierung der Kategorie A nach VDI 6022 Blatt 4.

Diese Erklärung bestätigt dabei insbesondere die Erfüllung der Anforderungen aus Tabelle 7 der VDI 6022 Blatt 1 (Ausgabe 2018-01) mit den laufenden Nummern:

- 0.9 Herstellerinformationen zur Eignung von Reinigungs- und Desinfektionsmitteln
- 1.2 Einhaltung der Forderungen hinsichtlich verwendeter Materialien des Außenluftdurchlasses
- 2.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien dezentraler RLT-Geräte
- 4.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien des Gerätegehäuses
- 4.2 Das Gehäuse hat die erforderliche Dichtheitsklasse
- 7.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien der Luftdurchlässe
- 8.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien der Luftfilter
- 11.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien der Ventilatoren
- 12.1 Einhaltung der Forderungen hinsichtlich verwendeter Materialien des Wärmerückgewinners
- 12.3 Der Wärmerückgewinner hat die erforderliche Dichtheitsklasse.

Lingen, 26.01.2022

Marcel Rakers

Product Compliance Manager

Geprüft nach VDI 6022 Blatt 2 Kategorie A

<https://www.kampmanngroup.com/hvac/products/de-centralised-ventilation-units/wza>

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