



inVENTer

Service and maintenance instructions

X-Flow



Ventilation device with heat recovery

Read carefully and refer to the illustrations before handling the product. Keep these instructions for future reference.

Original Service and maintenance instructions



www.inventer.eu

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Disclaimer

This documentation represents a translation of the original German Service and maintenance instructions.

The contents of this documentation have been checked for conformity with the hardware and software described. Nevertheless, deviations cannot be ruled out, so no guarantee can be given for complete conformity.

This documentation describes the functionality of the standard range. For reasons of clarity, the documentation does not contain all detailed information on all types of the product and cannot take into account every conceivable case of installation and assembly.

The illustrations in this documentation may differ slightly from the design of the product you have purchased. The function remains the same despite the difference in detail.

This documentation is updated regularly. Necessary corrections and appropriate supplements are always included in the following releases. You can also find the latest version at www.inventer.eu/downloads.

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1 About this document

These Service and maintenance instructions contain all the information required for the regular maintenance and filter change of the X-Flow. Observe the following:

- The Service and maintenance instructions are part of the product.
- They must always be available to the user.
- In addition to the Service and maintenance instructions, all information from the installation and operating instructions, especially the safety information, applies. This document is an excerpt.

Gender-neutral language

In these Service and maintenance instructions, the personal pronoun “they” is used to present the information in a short, concise way. This is intended to include personnel of any gender.



1.1 Target groups

These Service and maintenance instructions are intended for anyone performing maintenance on the product. They contain all the basic information about product maintenance, filter change, cleaning, and disposal. Note the requirements for the operating personnel; see Section 2.3 “Operating personnel requirements” on page 10.

1.2 Warnings and other notices

When using these Service and maintenance instructions, note the warnings. The following symbols and signal words are used:

Table 1: Symbols and signal words

Symbol/signal word	Definition
	General warning symbol: Indicates a risk of injury.
	General requirement symbol: Indicates a risk of property damage.
Danger	Immediate danger: Death or very serious injuries will result.
Warning	Possibly dangerous situation: Death or serious injuries may result.
Caution	Possibly dangerous situation: Minor or moderate injuries may result.
Notice	Information that must be heeded to ensure safe product handling and to avoid property damage.

1.2.1 Structure of warnings

The warnings in these Service and maintenance instructions are structured as follows:

- **Signal word**
Indicates the severity of the hazard.
- **Type and origin of the hazard**
Describes the hazard and where it may occur.
- **Consequence**
Describes the effects that may occur if the notice is not complied with.
- **Avoidance**
Describes how to prevent the hazard from occurring, or provides instructions for safety measures if the hazard occurs.

1.2.2 Example of a warning

The warnings have the following format:



CAUTION

Risk of injury due to improper use.

Improper use of the product may lead to hazards to personnel and property.

→ Use the product only as intended.

1.2.3 Instructions

Instructions are numbered to indicate the sequence of the individual steps. Results of the actions (if applicable) are directly below.

Example:

1. This is the first step.
2. This is the second step.
 - ▶ This is the result of the second step.

Operating and display elements






Operating and display elements, such as buttons, switches, and control knobs, are written in **bold**.

Example: The **on/off switch** is located on the controller.

1.2.4 Other symbols

In addition to the safety instructions and warnings, the following symbols are used:

Table 2: Other symbols

Symbol	Definition
	A TIP symbol indicates practical and useful tips for handling your product or refers to additional information.
	Any additional tools and aids required for the activities are listed before the instructions.
	Red bar over a graphic: Illustration shows the inner wall.
	Blue bar over a graphic: Illustration shows the outer wall.
	Action focus: To be taken into account in the relevant assembly step.

2 Safety

This section contains all the safety-relevant information. Read all safety information thoroughly before handling the product and observe it during use. The safety information highlights risks of injury and property or environmental damage and contains information about avoiding and preventing hazards.

2.1 Intended use

The X-Flow is a ventilation device with heat recovery and provides quiet, effective ventilation. The device is ideal for use in living rooms, bedrooms and offices. The X-Flow is not intended for use in areas with high humidity or temperature.

Any other product use constitutes improper use.

Compliance with other regulations

In addition to the information in these Service and maintenance instructions, always comply with the legal accident prevention and environmental protection regulations and the general accident prevention regulations.

2.2 Improper use

Use of the product for a purpose other than that described in section Section 2.1 "Intended use" on page 9 is considered improper use. Examples of improper use include:

- Using the product with a ventilation system or accessories not approved by inVENTer GmbH,
- Unauthorised modification or alteration of the product,
- Failure to comply with the product's operating/use conditions.

2.3 Operating personnel requirements

The X-Flow is a building product that must be maintained by sufficiently qualified construction personnel. Only those who meet the following requirements may handle the product:

- They have completely read and understood these Service and maintenance instructions.
- They are at least 18 years old.
- They are in good health and at full physical and mental strength.
- They are able to read construction drawings and plans and carry out corresponding instructions.
- They are regularly trained on difficulties, hazards, and specific rules of behaviour.
- They keep the workplace clean and orderly.
- They wear the required personal protective equipment to ensure occupational safety.
- They always comply with the applicable safety and accident prevention regulations.

2.4 Personal protective equipment

During work, always wear the prescribed protective equipment. The standard protective equipment is sufficient for performing maintenance on the product. The following basic protective equipment must be worn:

- Form-fitting protective work clothing,
- Protective work shoes with a solid toecap and anti-slip sole,
- Safety glasses and helmet as necessary (for example, during overhead drilling, sawing, or sanding).

2.5 Hazard sources

The following section explains any residual risks to personnel and the possibility of property damage for individual product life cycle stages. When handling the product, observe the safety information to prevent injury and property damage.

Maintenance

When performing maintenance on the product, observe the following safety information to prevent injury and property damage.

Electrical hazards

The product is powered by electricity. Improper installation and maintenance or damaged electrical components may lead to extremely serious injury from electric shock:

- Work on electrical components may be performed only by a qualified electrician in accordance with electrical regulations.
- Electrical components must be installed according to local laws and regulations.
- Prior to work on electrical equipment, disconnect all components from mains and secure them against being switched back on.

Mechanical danger

The X-Flow is equipped with rotating fan blades and other mechanical components that can cause injuries.

- Do not modify the device.
- Do not open the device during operation.

Damage from foreign bodies

If objects, small animals, leaves or similar enter the outer wall ducts, this can lead to functional impairments and damage to the device or other components.

- Ensure that outer wall ducts are never left open and unprotected.

3 Maintenance instructions X-Flow



To ensure that the device operates safely and economically and to prevent damage to it, clean the air ducts and insect screen thoroughly. This should be done in conjunction with a filter change.

3.1 Filter

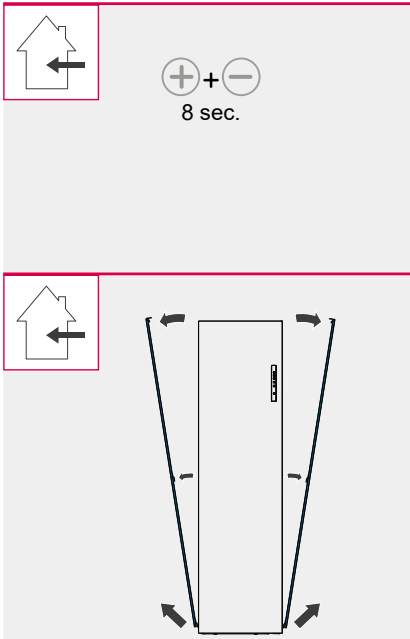
3.1.1 Filter maintenance interval

- **Normal use (in dwellings and offices, for instance):** about two years; earlier if the “**FILTER**” message appears on the screen.
- **Intensive use (in care facilities and schools, for instance):** about one year; earlier if the “**FILTER**” message appears on the screen.

3.1.2 Replacing the filter



Hex wrench



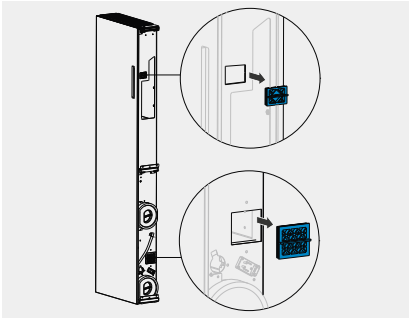
1. Switch your device to service mode.
2. Hold **+** and **-** for eight seconds.

▶ All LEDs light up.

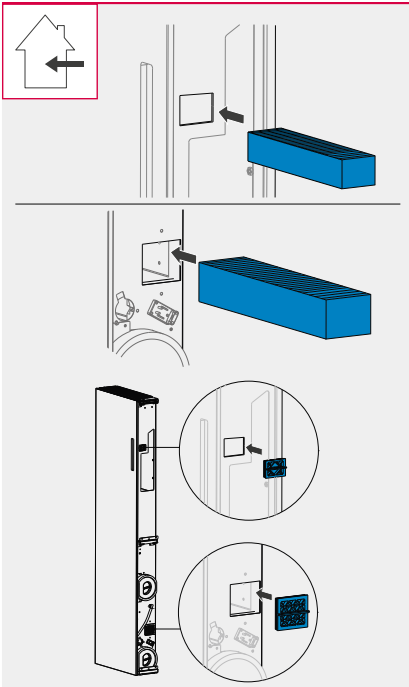


Wait one minute for the device to stop completely before opening the side panel.

3. Remove the accessible side panel from the device. To do this, first unscrew the Allen screw on the top of the device. You can then unhook the side panel upwards.



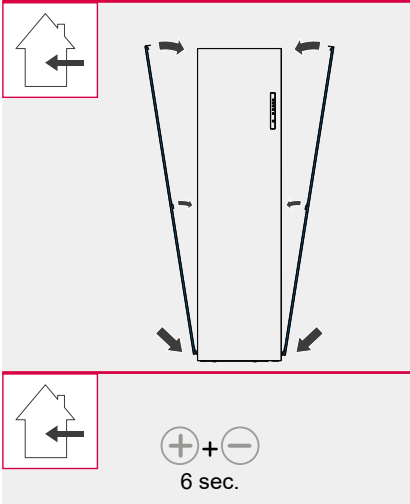
4. Remove both filter caps.



5. Remove both dirty filters.

6. Insert the new supply air filter (bottom) and extract air filter (top).

7. Replace both filter caps.



8. Replace the side panel on the device.

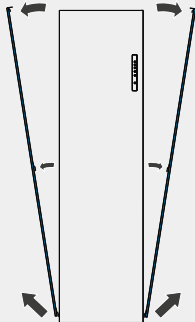
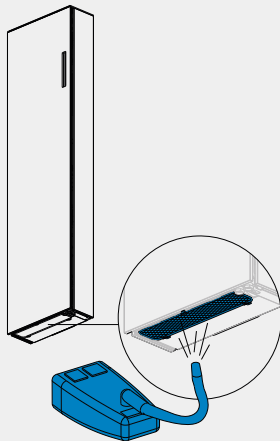
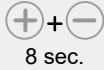
9. Reset the maintenance interval. Do this by holding **+** and **-** for six seconds.

- ▶ The maintenance interval is reset.
- ▶ The filters are replaced.

3.2 Cleaning the air ducts and insect screen



Hex wrench, vacuum cleaner

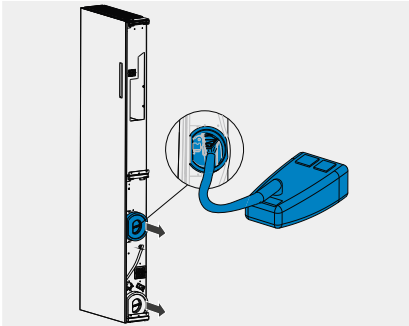


1. If your device is no longer in service mode, switch it back to service mode.
2. Do this by holding **+** and **-** for eight seconds.
 - ▶ All LEDs light up.

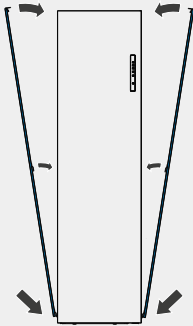


Wait one minute for the device to stop completely before opening the side panel.

3. Vacuum out the insect screen with a vacuum cleaner.
4. Remove the accessible side panel from the device. To do this, first unscrew the Allen screw on the top of the device. You can then unhook the side panel upwards.



5. Remove the caps from both air ducts.
6. Wipe off the caps with a cloth.
7. Vacuum out the air ducts with a vacuum cleaner.
8. Replace the caps.



9. Replace the side panel on the device.



10. Press any key to leave service mode.

- ▶ The device is ready to operate.
- ▶ The insect screen has been cleaned.
- ▶ The air ducts have been cleaned.

4 Service

4.1 Complaints

Upon receipt, use the delivery note to check the delivery for completeness and transport damage. Report missing items immediately (within 14 days) to your supplier, dealer, or factory representative.

4.2 Accessories and spare parts

To order components for your product, contact your factory representative or our service team. All components are also available as spare parts.

Technical customer service

For technical advice, please contact our technical service staff:

Phone: +49 (0) 36427 211-0

Fax: +49 (0) 36427 211-113

E-mail: info@inventer.de

Website: www.inventer.eu

5 Disposal

The products described in these Service and maintenance instructions contain valuable materials that can be reclaimed and recycled. Separating waste materials of different types simplifies recycling of reusable materials. Contact your local disposal company for environmentally sound recycling and disposal of your old system. It will dispose of the product in accordance with applicable national regulations. Also dispose of product packaging correctly.

You will find disposal recommendations in the following table.

Table 3: Disposal recommendations

Component	Material	Disposal
Exterior housing	MDF	Bulky waste
Interior housing	Metal sheet	Scrap metal waste
Filter	Synthetic fleece	Recyclable waste
Air duct flaps	Plastics	Recyclable waste
Electronic components	Miscellaneous	Electronic waste

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