

Translation of the original instructions
SilentCare room air filter

Mat. No. of original instructions
72488984



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2 General safety instructions

2.1 Safety instructions for installation and operating personnel

This translation of the original instructions contains important safety information which must be heeded at all times during installation, operation and maintenance.

Non-observance can result in the following risks to persons and the environment as well as in damage to the room air filter:

- Failure of critical functions of the room air filter
⇒ Danger to persons from electrical or mechanical effects as well as from chemical reactions.
- ⇒ Danger to the environment owing to the leakage of hazardous substances.

Requirements for operating personnel

The device should only be operated by persons who

- Have read and fully understood this translation of the original Instructions
- Are aged over 18
- Have no physical, sensory or intellectual impairments
- Are not under the influence of drugs (including alcohol)

All repairs to electrical equipment must be carried out by the manufacturer.

Improper repairs or modifications to the equipment can lead to risks.

Before installation / start-up:

- Read this translation of the original instructions carefully.
- Make sure that installation and operating personnel are adequately trained.
- Make sure the contents of the original instructions are fully understood by the responsible persons.
- Define areas of responsibility and competence.
- Prepare a maintenance schedule.

During operation of the system:

- Keep this translation of the original instructions handy at the place of use.
- Heed the safety instructions. Always operate the room air filter in accordance with its ratings.

If in doubt:

- Consult the manufacturer.

2.2 Warning structure

Where possible, warnings are structured according to the following system:

Signal word	
Possibly with symbol	Nature and source of the danger <ul style="list-style-type: none"> • Potential consequences of non-observance • Action to avert the danger.

2.3 Warning symbols used

⚠ DANGER!
Immediate danger! ⇒ Non-observance will result in serious or fatal injury.
⚠ WARNING!
Potentially dangerous situation! ⇒ Non-observance can result in serious or fatal injury.
⚠ CAUTION!
Potentially dangerous situation! ⇒ Non-observance can result in minor or moderate injuries.
CAUTION! (without a symbol)
Potentially dangerous situation! ⇒ Non-observance can result in property damage.

2.4 Other symbols used

	Danger: High voltage!
	Refer to the instructions!
	Disconnect from the mains!
	Hand symbol: Indicates general information and recommendations
•	Bullet: Indicates the order in which actions are to be carried out
⇒	Arrow: Indicates responses to actions

3 General information

3.1 Manufacturer

Filtration Group GmbH
 Schleifbachweg 45
 D-74613 Öhringen
 Phone +49 7941 6466-0
 Fax +49 7941 6466-429
 industrial@filtrationgroup.com
 industrial.filtrationgroup.com

3.2 Information about the original instructions

FG Mat. No.....72488984
 Date:01.02.21
 Version:.....01



4 Intended use

The room air filter may only be used to filter airborne particles as well as aerosol-borne pollutants such as viruses, pollen or bacteria in closed rooms. It should be installed on a level, dry surface; temperature range +10 to +40°C (above freezing point).

- The room air filter may only be operated within the specific performance limits (→ Technical data).
- The room air filter may only be operated in closed rooms of a suitable size (e.g. offices, meeting rooms, waiting rooms, etc.).
- Observance of the original instructions and compliance with the maintenance and repair instructions are essential preconditions of use for the intended purpose.
- All forms of use which deviate from or exceed the limits of use described above are considered to be contrary to the intended purpose. The manufacturer is not liable for any damage resulting from such use.

5 Foreseeable misuse

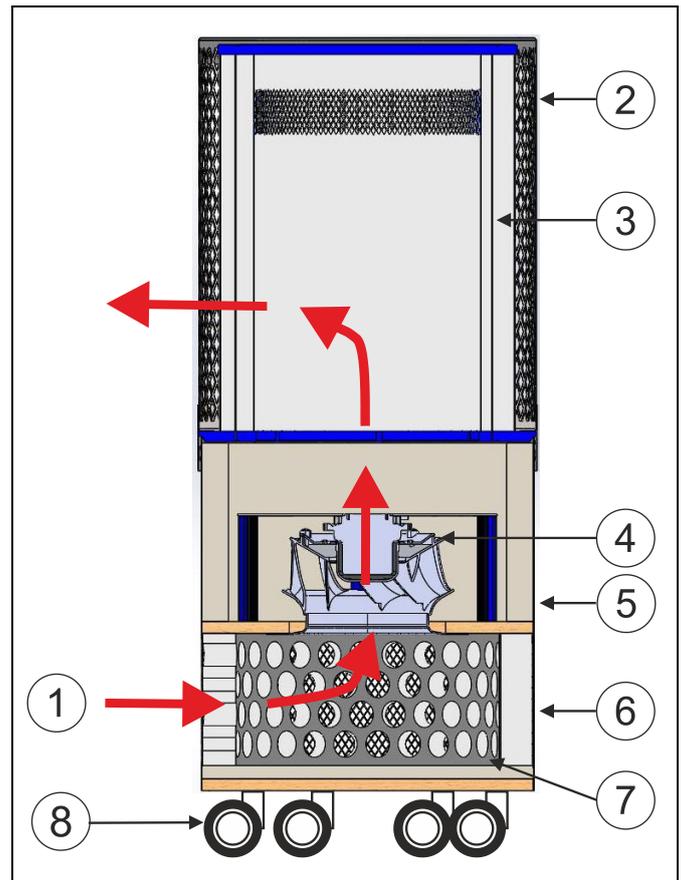
No liability will be accepted by the manufacturer if the equipment has been modified as well as in the event of improper mounting, installation, start-up, operation, servicing or repair.

Only original parts supplied by the manufacturer are approved as spare parts or accessories. Any spare parts or accessories not supplied by the manufacturer have not been tested for operation and could be detrimental to the reliability of the equipment. The manufacturer is not liable for any damage resulting from the use of non-approved spare parts or accessories.

Reasonably foreseeable misuse includes:

- Operation outside the manufacturer's specification
- Operation in a faulty condition
- Operation without protective devices or with protective devices which are faulty
- All modifications or changes to the room air filter without the manufacturer's written approval
- Manipulation of protective devices
- Operation in potentially explosive atmosphere
- Operation in areas with a risk of fire

6 Components and control elements



1	Air flow
2	Upper housing
3	Filter element
4	Fan
5	Lower housing
6	Air intake opening
7	Insulating material
8	Lockable casters

7 Technical data

	<ul style="list-style-type: none"> The room air filter is suitable for rooms up to approx. 45 m² (max. 70 m²) in size (max. purification in booster mode). According to current RKI studies, with 5-fold exchange (5 air changes per hour) and a room height of 2.5 m, 15 minutes without air purification mean an increased risk of infection.
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Ambient temperature:.....	+10°C to +40°C
Noise level:.....	42 dB(A)
Air flow:	600 m ³ /h +/-50 m ³ /h
	(max. 900 m ³ /h +/-50 m ³ /h (1))
Pressure:.....	Max. 18 mbar
Material:	Sheet steel housing, powder-coated, grey
Power [V]:.....	220-240 V / 170 W
Insulation [IP]:.....	IP20 / class 1
Filter surface [m ²]:.....	15 m ²
Dimensions:	Height approx. 1100 mm, Ø 500 mm
Weight:	Approx. 32 kg

8 Transport and storage

 WARNING!
Risk of injury if the equipment is tilted!
<ul style="list-style-type: none"> Do not install the room air filter on an uneven surface and be careful not to tilt it during transport. Two people are required to transport the equipment!

As-delivered condition

- Completely assembled, packed and upright on a pallet.

Storage

- Always store in the original packaging.
- Always store in a dry, frost-free room.

Transport

- Always transport upright on a pallet.
- Do not remove the straps until the equipment reaches its place of use.
- Separate the packaging material and dispose of it in an environmentally responsible way.

9 Installing the room air filter

 WARNING!
Risk of reduced efficiency!
<ul style="list-style-type: none"> The equipment should always be installed in a dry, frost-free environment! The equipment is not suitable for outdoor use!

 WARNING!
Danger of tripping!
<ul style="list-style-type: none"> Lock the casters at the place of use! Lay the power cable so that no-one can trip over it!

	A minimum distance of 2 metres is required from the wall!
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- Ensure that the air outlet is unobstructed at all times. It must neither be closed nor altered.
- Install the equipment such that the air and heat vents cannot be obstructed.

9.1 Electrical connections

 DANGER!	
	Danger of electric shock!
	<ul style="list-style-type: none"> Risk of serious or fatal injury in case of contact with electrical components.

	The plug must be removed in order to disconnect the room air filter from the mains!
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	The power cable must have the following fuse protection: Time delay 6.3 A / 250 V
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- Compare the data indicated on the name-plate with the values for the power supply system.
 - Avoid using extension cables.
 - Connect the plug to the mains.
- ⇒ The system is now ready for operation.

10 Start-up / normal mode

⚠ WARNING!	
	<ul style="list-style-type: none"> • Disconnect the mains plug while working on the equipment!



- 1.) Connect the plug to the mains.
⇒ The system is now ready for operation.
- 2.) Press the on / off switch (green lamp).
⇒ The system starts up.
- 3.) Set the power level switch to I or II.

Level 1 (I): Normal mode (600 m³/h)
Level 2 (II): Booster mode (900 m³/h)

	<p>Level 2 should only be selected in noise-insensitive locations or only for short periods!</p> <ul style="list-style-type: none"> ⇒ The system operates at higher output (booster mode) when level 2 is selected. ⇒ The noise level is also higher (approx. 52 dB(A)). ⇒ Operating the device at higher output can shorten the service life of the filter element.
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11 Replacing the filter element

⚠ DANGER!	
	<p>Danger of electric shock when replacing the filter element!</p> <ul style="list-style-type: none"> • Disconnect the equipment from the power supply.

⚠ DANGER!	
	<p>Danger when the fan is working!</p> <ul style="list-style-type: none"> • Disconnect the equipment from the power supply prior to replacing the filter element!

⚠ WARNING!	
Danger if pollutants are inhaled!	
<ul style="list-style-type: none"> • Wear a suitable face mask! 	

⚠ WARNING!	
Danger of crushing!	
<ul style="list-style-type: none"> • Be careful not to trap parts of the body between the filter and the housing while installing the filter element! 	

	Two people are recommended to replace the filter element.
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	The filter element can also be replaced by the manufacturer. Please contact the manufacturer for more information.
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	Contact the manufacturer of the room air filter in case of severe fouling or damage!
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- 1.) Unpack the spare filter element and place it ready. Keep the packaging at hand for the used filter element.

⚠ WARNING!

- The equipment may only be operated using the cable which is supplied with it!



2.) Disconnect the room air filter from the mains.



3.) Loosen the locking screws for the housing.



4.) Remove the grille.



5.) Lift off the used filter element.

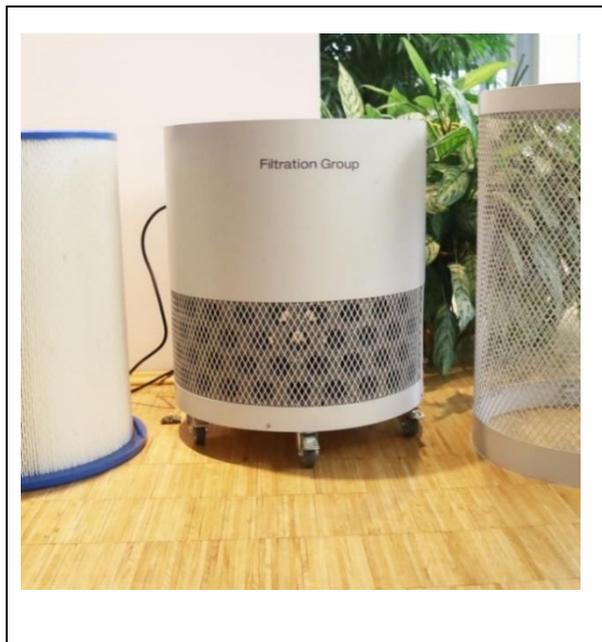


6.) Place the used filter element in the packaging provided for this purpose.

7.) Seal the packaging ready for disposal.
→ Disposal



9.) Attach the original spare filter element to the housing.



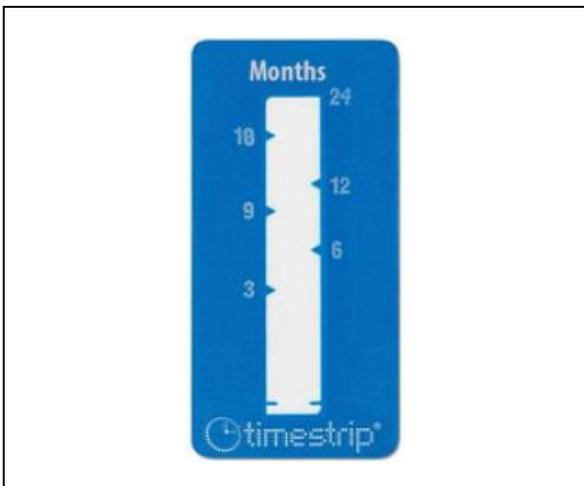
8.) Inspect the inside of the housing for dust, fouling or damage.



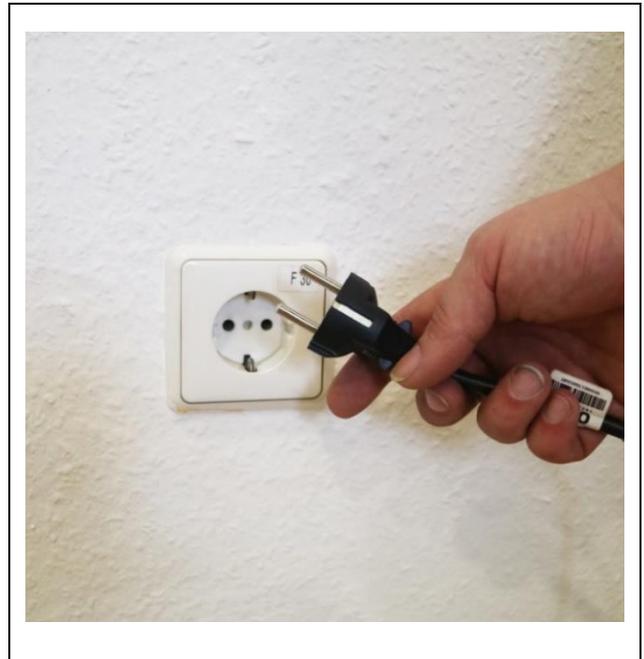
10.) Fit the grille back on again.



11.) Insert and tighten the locking screws.



12.) Affix the timestrip sticker in a clearly visible location on the housing and if necessary remove the old timestrip sticker.



13.) Connect the plug to the mains again.
 ⇨ The system is now ready for operation.

12 Repair

⚠ DANGER!	
	Risk of injury to persons or damage to property in the event of improper repair! <ul style="list-style-type: none"> • All repairs must be carried out by the manufacturer!

13 Disposal

⚠ WARNING!	
Danger if pollutants are inhaled!	
<ul style="list-style-type: none"> • Wear a suitable face mask! 	

	Seal the packaging properly ready for disposal!
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- Segregate the room air filter prior to disposal (e.g. at your local recycling centre).
- Place the used filter element in the packaging and dispose of it in an environmentally responsible way as household or commercial waste.

14 Declaration of conformity

EC/EU – declaration of conformity

translation
according to directive 2006/42/EC annex. II A



The manufacturer Filtration Group GmbH
Schleifbachweg 45
74613 Öhringen
phone: +49 7941 6466-0
industrial.filtrationgroup.com

hereby declares the following product

product designation	room air filter
type designation	Silent Care
year of manufacture	2021

as conform to all relevant provisions of the following EC/EU directives:

2006/42/EC Directive 2006/42/EC of the european parliament and of the council of 1. May 2006 on machinery and amending Directive 95/16/EC (recast) (1) official journal of the EU: L157/24 of 9 June 2006

2014/30/EU Directive 2014/30/EU of the european parliament and the council of 26 February 2014 on the harmonisation of the laws of the member states relating to electromagnetic compatibility (recast), official journal of the EU: L96/79 of 29 March 2014

The safety objectives of the Directive 2014/35/EU are met as per annex I no. 1.5.1 med 2006/42/EC.

Following harmonised standards have been applied:

EN ISO 12100: 2011-03 Safety of machinery - General principles for design - Risk assessment and risk reduction

CE Officer:

Michael Bordt 

Signatory:

Dipl.-Ing. Wolfram Zuck
Managing Director

Öhringen, 01.02.2021
location/date


Signature



Filtration Group GmbH
Schleifbachweg 45
D-74613 Öhringen
Phone +49 7941 6466-0
Fax +49 7941 6466-429
industrial@filtrationgroup.com
industrial.filtrationgroup.com
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