TAC 6500

EN

ORIGINAL INSTRUCTIONS
AIR CLEANER

TROTEC

TRT-BA-TAC6500-TC25TTRT10022-006-EN

Table of contents

Information on the use of these instructions

Symbols

Danger
This signal word indicates a hazard with a high risk level which, if not avoided, will result in serious injury or death.

Warning
This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.

Warning of electrical voltage
This symbol indicates dangers to the life and health of persons due to electrical voltage.

Caution
This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Notice
This signal word indicates important information (e.g. material damage), but does not indicate hazards.

Info
Information marked with this symbol helps you to carry out your tasks quickly and safely.

Follow the manual
Information marked with this symbol indicates that the instructions must be observed.

You can download the current version of these instructions via the following link:

TAC 6500

https://hub.trotec.com/?id=42771

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use.

Warning
Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in an aggressive atmosphere.
- Place the device in an upright and stable position on a horizontal and stable surface.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover the device during operation.
- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.

- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable.
  If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
  Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that there are no loose items or dirt located in the immediate surroundings of air inlet and air outlet.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Make sure that the suction side is kept free of dirt and loose objects.
- Dispose of replaced filters properly, especially after filtering substances hazardous to health.
- Never use the device as storage place or footstep.

Intended use

Only use the device to clean atmospheric air from non-conducting and non-combustible dusts, fogs or suspended matter whilst using the appropriate filter classes and adhering to the technical data.

The device is intended to be used in commercial areas.

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use outdoors.
- Do not use the device to siphon off vapours or fluids.
- Do not make any unauthorised modifications, alterations or structural changes to the device.

Personnel qualification

People who use this device must:

- have basic knowledge of how to safely handle electrical equipment.
- have read and understood the instructions, especially the Safety chapter.

Electrically skilled person

Electrically skilled personnel must be able to read and understand electric circuit diagrams, to put electrical systems into service and to maintain them, to wire control cabinets, to ensure the functionality of electrical components and to identify possible hazards from electrical and electronic systems.

Instructed person

Instructed persons have been informed of the tasks they were entrusted with as well as of potential hazards resulting from inappropriate behaviour. They are allowed to operate and transport the device and perform simple maintenance activities (cleaning the housing, cleaning the fan).

The device is to be maintained and looked after by instructed personnel.

Residual risks

Warning of electrical voltage
Work on the electrical components must only be carried out by an authorised specialist company!

Warning of electrical voltage
Before any work on the device, remove the mains plug from the mains socket!
Do not touch the mains plug with wet or damp hands.
Hold onto the mains plug while pulling the power cable out of the mains socket.

Caution
Risk of injury from parts being whirled up!
Before switching the device on, make sure that there are no loose parts (clothing, hair ...) located near the air inlet or outlet!

Notice
Observe the overvoltage protection.
The device comes equipped with an overvoltage protection. When checking for electrical safety, please bear in mind that the test voltage has to be reduced to 250 V.

Notice
Do not operate the device without an air filter inserted into the air inlet!
Without the air filter, the inside of the device will be heavily contaminated. This can reduce the performance and result in damage to the device.

Notice
Do not use abrasive cleaners or solvents to clean the device.

Behaviour in the event of an emergency

1. Switch the device off.
2. Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

Air cleaners are used to filter the room air. On building sites and renovation areas high concentrations of dust can arise, for instance when using angle grinders or during blasting, chiselling or demolition operations as well as when mixing dry mortar or tile cement.

Depending on the inserted filter, the air cleaners of the TAC series serve to eliminate various dusts, e.g. from asbestos, building rubble, quartz, flour, wood, etc., but also mould spores, paint particles and mineral fibres in the air, possibly arising during the above-mentioned operations.

This dust is to be vacuumed off as close as possible to the point of origin in order to reduce the pollution of the breathing air to a minimum. Depending on the used filter quality it is permissible to employ the device for the separation of quartziferous mineral dusts, wood dust, lead-containing dusts, artificial mineral fibres or high-temperature fibres.

The air cleaner comes equipped with a sensor-supported Flowmatic control for the automatic retention of the preselected air volume.

Application as vacuum generator for mould remediation and asbestos abatement is also a possibility. In case of other hazardous substances there are additional requirements; hence observe the corresponding Technical Rules for Hazardous Substances (TRGS) or the country-specific regulations.

The device is suited for:

- producing a vacuum in a room, e.g. in heavily contaminated spaces;
- air purification in workspaces via air circulation, e.g. indoor building sites, workshops etc.;
- producing overpressure in a room, e.g. cleanroom;
- supplying filtered fresh air.

The device is structured as follows:

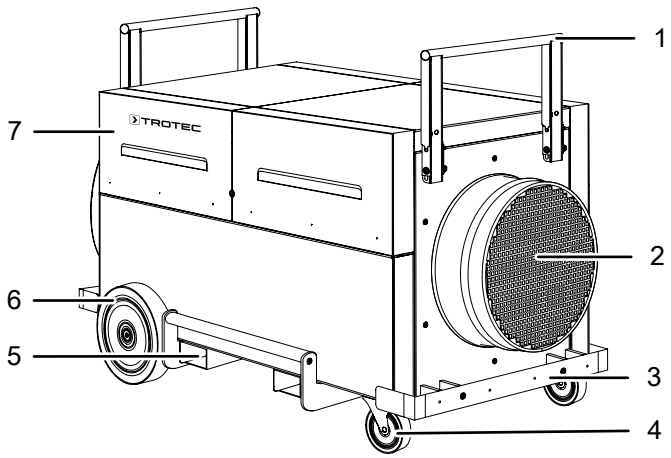
- housing with stacking aid
- adjustable fan for air transport
- filter monitoring for air volume flow

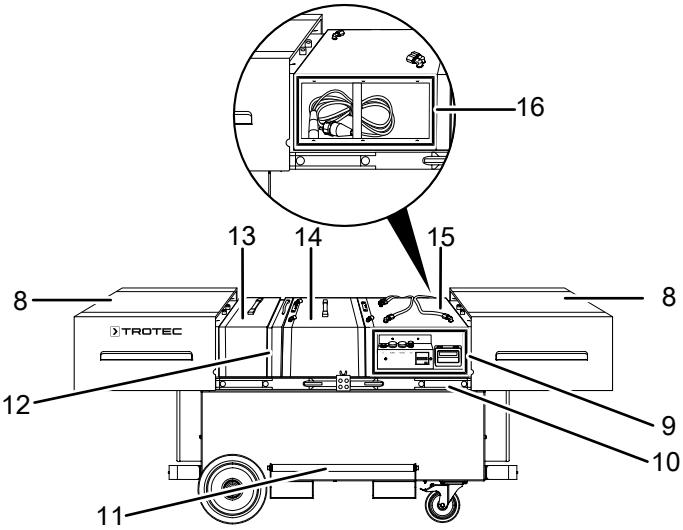
The device may be equipped with various filters. It provides the user with the possibility of configuring both the filter quality and the filter chain arrangement for the respective field of application. The filters must be selected according to the area of application.

The device is approvable for asbestos abatement as per TRGS 519, dust class H.

Info
The filters are not included in the scope of delivery! Choose the filters according to the area of application from our filter range. Insert the selected filters prior to initial start-up.

Device depiction





No.	Designation
1	stacking / push handle
2	air intake opening with hose / pipe connection
3	shock protection
4	swivel castor with brake (rubber, non-marking)
5	forklift pocket
6	wheel (rubber, non-marking)
7	hinged cover
8	sliding cover
9	control panel
10	telescopic slide
11	lifting handle
12	tensioning frame
13	pre-filter box
14	main filter box
15	fan box
16	cable storage compartment

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.
Note the information regarding transport and storage of the device.

Transport

Before transporting the device, observe the following:

- The device is switched off.
- The device is disconnected from the mains and the mains plug has been disconnected.

After transporting the device, proceed as follows:

- The device has been set up in an upright and stable position.

Storage

When the device is not being used, observe the following storage conditions:

- Store the device in a dry location and protected from frost and heat.
- Store the device in an upright position where it is protected from dust and direct sunlight.
- If required, use a cover to protect the device from invasive dust.

Assembly and start-up

Scope of delivery

- 1 x Device
- 1 x Manual

Unpacking the device

Warning

There is a danger of suffocation for children due to packaging material! Keep packaging films and parts away from children. There is a risk of death due to suffocation.

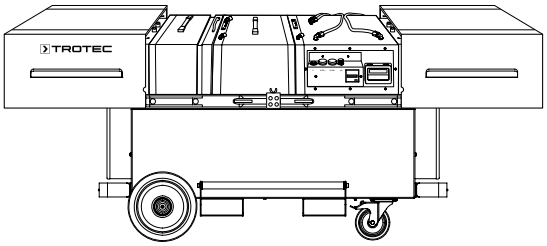
1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Assembly

Sliding covers

Please proceed as follows to open the sliding covers (8):

1. Pull the stacking handles (1) up and fold them down.
2. Pull the sliding covers (8) outwards with a jerk and shove it apart all the way to the stop.

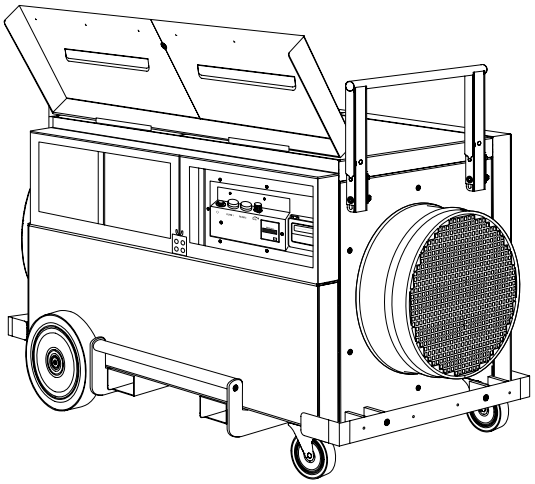


Please proceed as follows to close the sliding covers (8):

1. Push the sliding covers (8) together until they lock in place.
2. Tilt the stacking handles (1) up and lock them in place.

Hinged covers

In order to open the hinged covers (7), swing them up until they are held in place by the magnets.
Proceed in reverse order to close the hinged covers.



Inserting the filters

Info

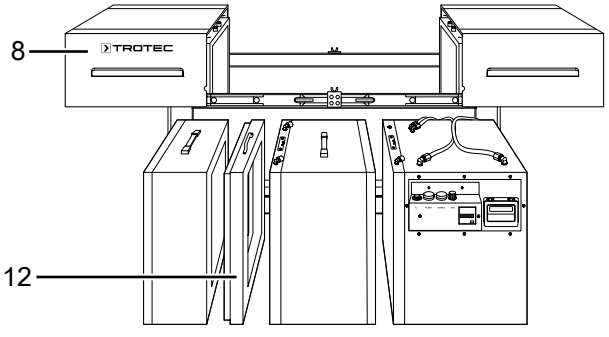
The filters are not included in the scope of delivery! Choose the filters according to the area of application from our filter range. Insert the selected filters prior to initial start-up.

Prior to start-up the filter chain of the device must be configured according to the desired field of application. For this, two filter boxes are available.

1. Open the sliding cover (8).
2. Pull out the tensioning frame (12) towards the top.
3. Remove further boxes from the device as required.

Notice

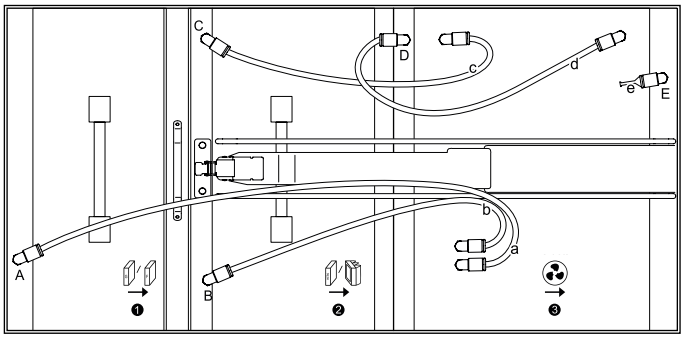
For all filter installations always observe the correct flow direction according to the direction of the air current (air flow direction: from back to front)!
Note that the main filter is locked at the bottom of the housing. The lock is located under the tensioning frame (12) and the prefilter (13).



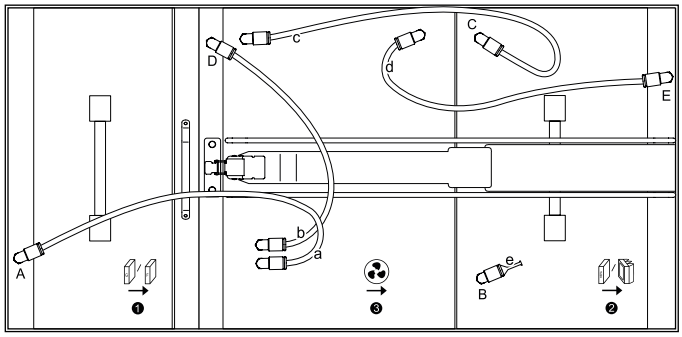
Configuration

The TAC series is equipped with Vario-shift function. This means that the filter elements can be variably arranged for all application scenarios and in line with the regulations.

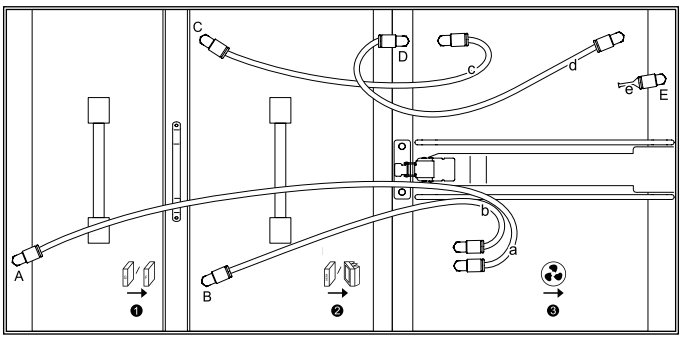
- The **building site configuration** for the separation of suspended matter as per DIN EN 60335-2-69 to dust class H; main priority with these applications has the filtering of dust particles dangerous to health, to some extent even carcinogenic. The entire filter ladder has to be operated at underpressure to prevent unfiltered air from escaping even in case of leakages when sucking off these dusts. Which means that the **fan is to be positioned downstream of the main filter!** Both are to be braced using tensioning elements on the unit side so that the high-efficiency particulate air filter does not come into contact with polluted air at the outlet during the entire operating time and the risk of leaks is minimized!



- The **cleanroom configuration** for the separation of suspended matter as per DIN EN 1822-1:1998 to filter class H14 (in case of a substantially reduced air volume filters with higher filtration efficiencies are also an option); as a rule, air from a polluted area is fed to a cleanroom, e.g. as fresh air supply. The applicable regulations usually demand that the filtered air may only come into contact with a clean air pipe/duct operated at overpressure. Therefore, the **fan is to be positioned upstream of the main filter!** Here, too, the elements are to be braced as stated for the building site configuration!



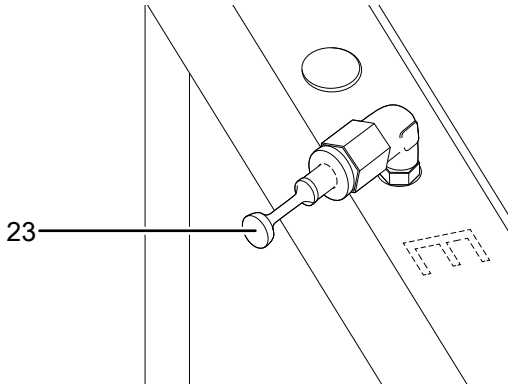
- **Generic configuration** for air purification applications filtering coarse dust or fine particulates as per DIN EN 779 to filter class F9; these applications do not require any particular fan position. For reasons of simplified filter change management it is recommended for the **fan to be the last element** to be incorporated and braced.



Notice

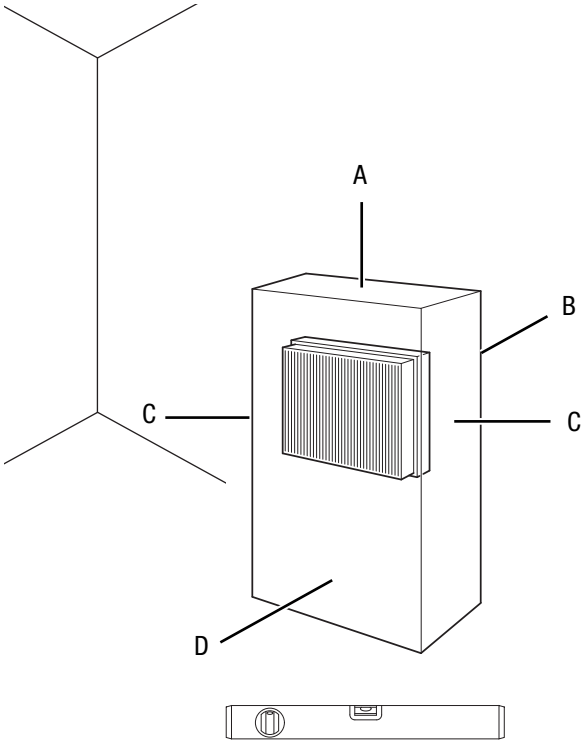
For the individual configurations it is important to make sure that the air hoses (marked a, b, c, d) and the dummy plug (23) are connected to the measuring points (marked A, B, C, D, E) according to the box arrangement (pre-filter = 1 + main filter = 2 + fan = 3). Otherwise the filter monitoring will not be working!

Example:



Start-up

When positioning the device, observe the minimum distance from walls or other objects as described in the chapter Technical annex.

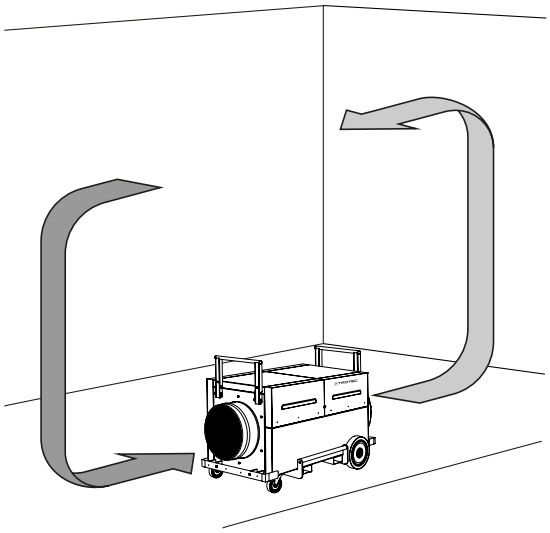


- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Place the device in an upright and stable position on a horizontal and stable surface.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Ensure that the extension cables are completely unrolled.
- Position the device near the source of air contamination.
- When positioning the device, keep a sufficient distance to heat sources.
- Make sure that no curtains or other objects interfere with the air flow.
- Make sure that the air inlet and outlet are not obstructed.

Installation of the device in the room, the air of which is to be purified

- When positioning the device, make sure it is located in the centre of the room the air of which is to be cleaned. Alternatively, you can also position the device near the source of air contamination.
- Prior to operation you have to ensure that the filters have been installed in the device as desired.
- The device works in recirculation mode, this means that the contaminated air enters the air cleaner via the air inlet opening and is blown out through the air outlet opening in purified state.

Air purification in sealed off area via air circulation:

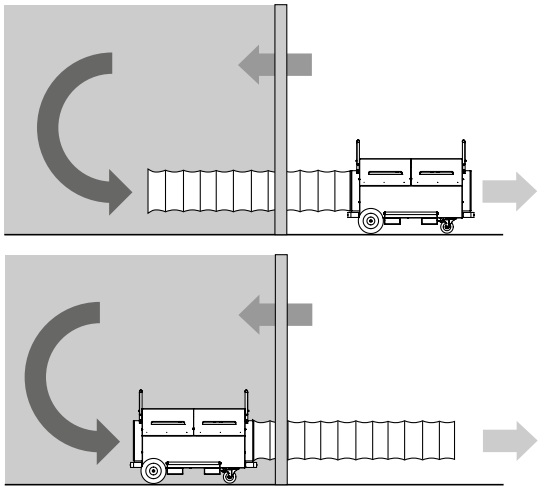


Installation of the device outside of the room, the air of which is to be purified

The device can be connected in either recirculation or ventilation mode.

- In recirculation mode, the air to be cleaned is led via a hose from the room into the air inlet opening of the device. The purified air is fed through another hose from the air outlet opening and back into the room.
- In ventilation mode, the air to be cleaned is led via a hose from the room into the air inlet opening of the device. This creates a slight negative pressure in the room. Clean, fresh air flows in from outside.

Installation variants for maintaining the pressure:



When connecting hoses, the following must be observed:

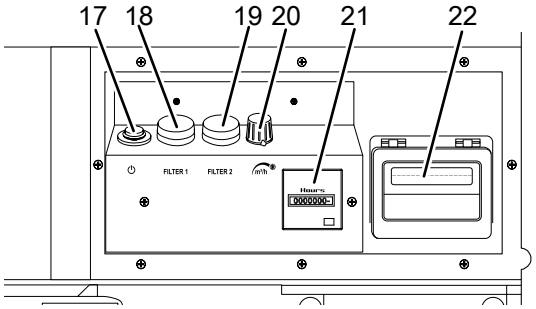
- The used pipes and hoses must be designed for the available static compression of the fans. They should preferably be laid in a straight line and at full length. 7.6 m of air hose each can be connected to the air inlet and air outlet openings of the device.
- There ought to be a minimum distance of 1 m between air inlet and air outlet opening.

Connecting the power cable

- Connect the mains plug to a properly secured socket.

Operation

Operating elements



No.	Designation	Meaning
17	*Power* button	Switching the device on or off
18	*Filter 1* warning light	Indication of required coarse or fine filter change
19	*Filter 2* warning light	Indication of required HEPA or bag filter change
20	*Air volume* control dial	For setting the desired air volume
21	Operating hours counter	Indication of operating hours
22	Flowmatic with display	Indication of the air volume (volumetric flow)

Switching the device on

1. Make sure that neither the air inlet nor the air outlet opening is covered.
2. Turn the *Air volume* control dial (20) counter-clockwise to the lowest level.
3. Press the *Power* button (17).
   ⇨ The *Power* button (17) lights up.

Adjusting the air volume

By use of the stepless *air volume* control dial (20) you can adjust the fan speed and thus regulate the air volume conveyed by the device.

Shutdown

Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

Available accessories

Warning
Only use accessories and additional equipment specified in the instructions.
Using insertion tools or accessories other than those specified in the instructions may cause a risk of injury.

Designation	Article number
G4 Z-line filter / ISO coarse 75 %	7.160.000.454
F7 pleated filter cartridge / ISO ePM10 75 %	7.160.000.476
F7 bag filter / ISO ePM10 75 %	7.160.000.477
H13 HEPA filter approved for dust class H	7.160.000.478
G3 spray paint filter / ISO coarse 30 %	7.160.000.479
Activated carbon	7.165.006.500
Air transport hose Tronect SP-T, length 7.6 m	6.100.001.214

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage.
- Check the on-site fusing.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

The device gets very warm, is loud or is losing power:

- Check the air inlet and air filter for dirt. Remove external dirt.

The device gives off an unpleasant odour:

- Smoke, e.g. dense tobacco smoke, odours and contaminations may be in the air. Ventilate the room.

The device still does not operate correctly after these checks:

Contact the manufacturer's customer service. If necessary, take the device to an authorised specialist electrical company or to the manufacturer for repair.

Maintenance

Activities required before starting maintenance

Warning of electrical voltage
Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

Warning of electrical voltage
Tasks which require the device to be opened must only be carried out by authorised specialist companies or by the manufacturer.

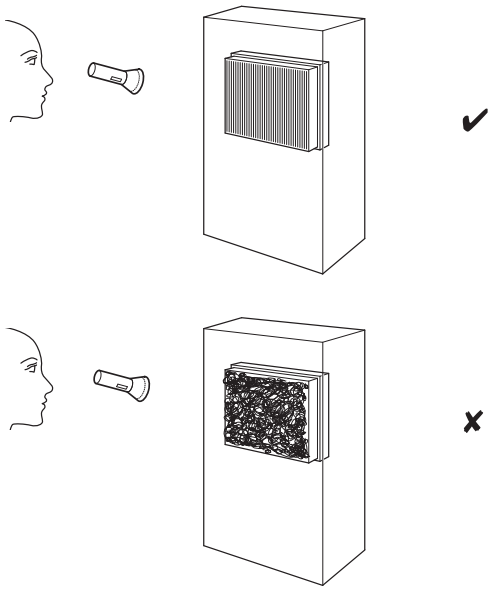
Notice
Observe the overvoltage protection.
The device comes equipped with an overvoltage protection. When checking for electrical safety, please bear in mind that the test voltage has to be reduced to 250 V.

Cleaning the housing

Clean the housing with a soft, damp and lint-free cloth. Make sure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Visual inspection of the inside of the device for dirt

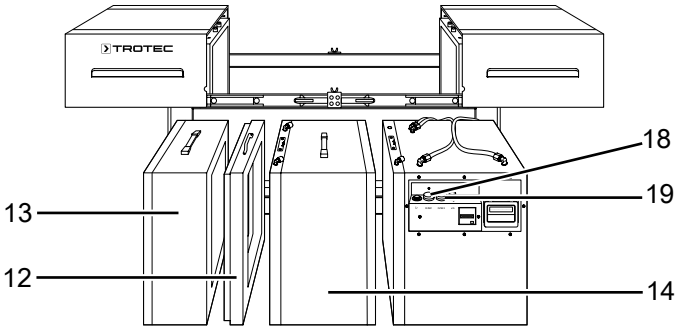
1. Remove the air filters.
2. Use a torch to illuminate the openings of the device.
3. Check the inside of the device for dirt.
4. If you see a thick layer of dust, clean the inside of the device with a vacuum cleaner.
5. Reinsert the air filters.



Filter change

The filters must be replaced when the filter change warning light for filter 1 (18) or filter 2 (19) lights up during operation and an acoustic signal is emitted.

1. Detach air hose A from the measuring point.
2. Pull out the tensioning frame (12) towards the top.
3. Pull the pre-filter box (13) out of the device in an upward motion and remove the filters from the box.
4. If required, also loosen the clasp and the locking lever on the filter boxes.
5. Disconnect the air hoses B and C from the measuring points.
6. Move the main filter box (14) a little sideways.
7. Pull the main filter box (14) out of the device in an upward motion and remove the filters from the box.
8. For assembling the filter boxes please proceed in reverse order.



Lubricating the telescopic slides

The covers' telescopic slides (10) are to be lubricated after cleaning or as needed.

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.

The icon with the crossed-out wheeled bin indicates that this device and any associated components must not be disposed of with household waste at the end of their life, in accordance with the Waste Electrical and Electronic Equipment Directive (2012/19/EU) and national laws.

You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. You can also find out about other return options that apply for many EU countries on the website https://hub.trotec.com/?id=45090. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Technical annex

Technical data

Parameter	Value
Model	**TAC 6500**
Article number	1.580.000.135
Max. air volume	5700 m^3/h
Recommended amount of air for dust class H Room size with filter surface H13	3000 m^3/h 200 m^3 26 m^2
Dust class (as per DIN 60335-2-69)	dust class H (transmittance ≤ 0.005 %) for substances with a max. allowable concentration of ≤ 0.1 mg/m^3, carcinogenic hazardous substances as per GefStoffV § 11 (Ordinance on Hazardous Substances), TRGS 905 or 906 (Technical Rules for Hazardous Substances), approvable for asbestos abatement as per TRGS 519
Motor power	1400 W
Power supply	1/N/PE ~ 230 V / 50-60 Hz
Nominal current	5.5 A
Connection cable	CEE 7/7, cable length 2.5 m rubber conduit (H05RR-F) length = 2.5 m
Air transport hose connector inlet/outlet side	450 mm
Sound level (at a distance of 1 m)	68 dB(A)
Dimensions (length x width x height)	1252 x 790 x 1026 mm
Weight	131 kg

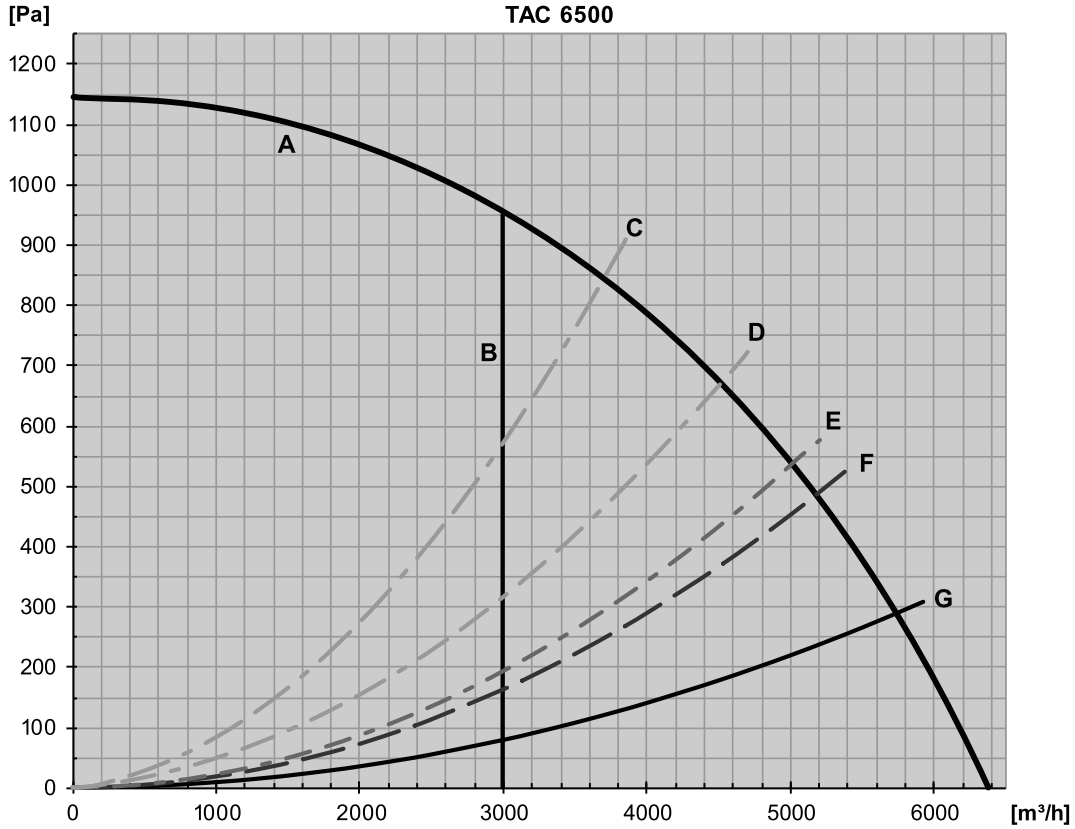
Recommendation for filter combinations specific to the application and corresponding room size suitability

		suitable for rooms sized up to [1]	
Fields of application	Filter combination	m^3	m^2
Coarse dust [2] (≤ 3 ACH[6])	G4	1400	560
Fine particulates [3] (≤ 3 ACH[6])	G4 + F7 to F9	750	300
Suspended matter [4] (≤ 3 ACH[6])	G4 + H13	200	80
Hygienic areas [5] (≤ 3 ACH[6])	G4 + H13	135	54

[1] With an assumed room height of 3 m; [2] Typical coarse dust tasks: sawing, filing; [3] Typical fine dust tasks: restoration works with materials containing minerals or glass wool; [4] Typical suspended matter tasks: grinding, asbestos abatement or mould remediation, mineral dusts etc.; [5] H13 downstream; [6] Air exchange per hour

Optional equipment (upon request)
Guiding wheels with pneumatic tyres, traceless
Trestle rollers (instead of guiding wheels)
Fork pockets for fork lifts

Performance chart

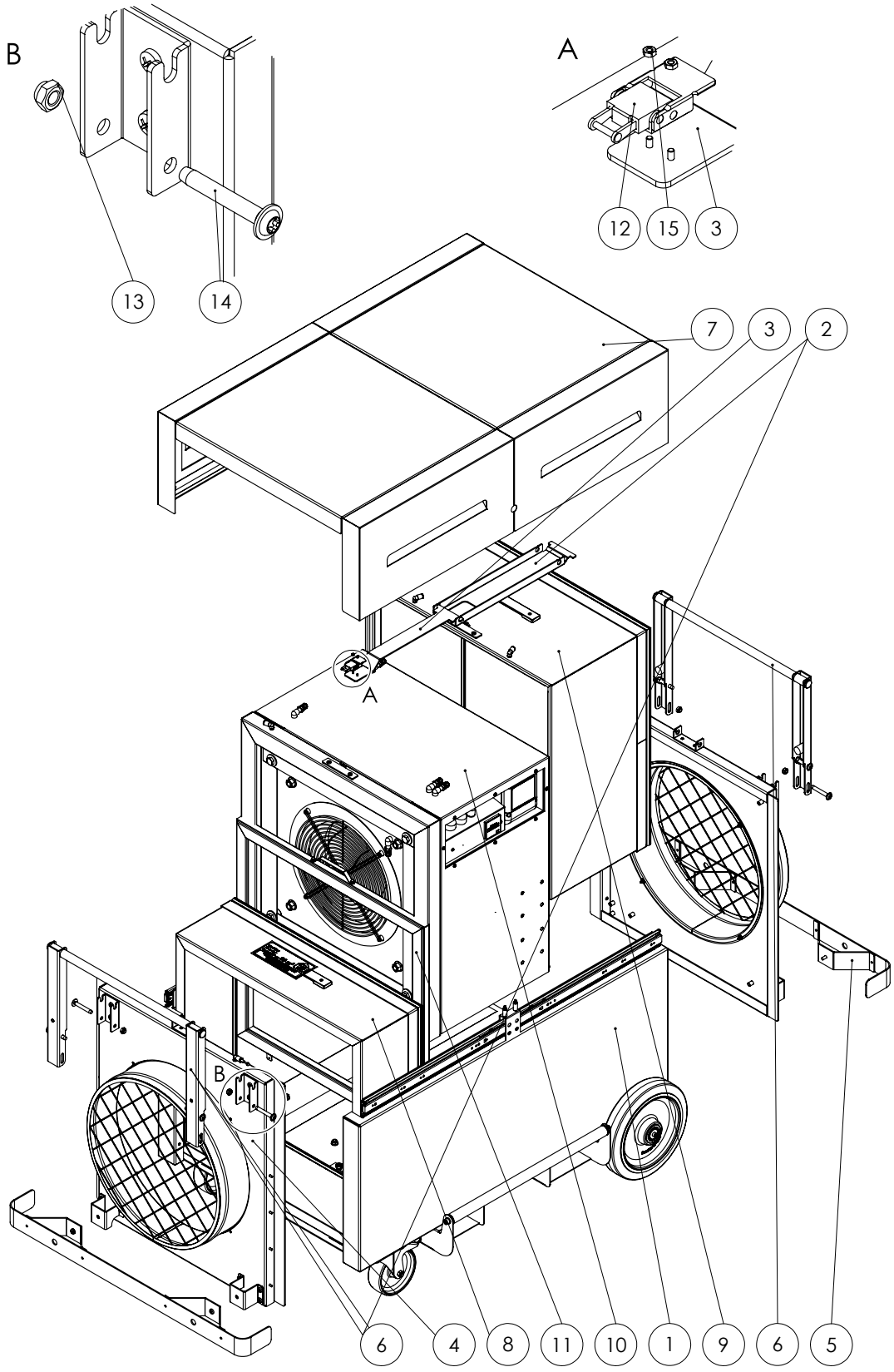


A	Fan
B	Recommended amount of air for dust class H
C	With G4+H13 filter combination (approval for dust class H) and air transport hose*
D	With G4+F7 filter combination and air transport hose*
E	With G4 filter and air transport hose*
E	With spray paint filter and air transport hose*
F	Without filter, with air transport hose*
* Connected to the pressure side, standard length 7.6 m, laid with one 90° arc. **When the air hose is laid stretched and arc-free, an increase of air volume by up to 25 % is possible!**	

Overview

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

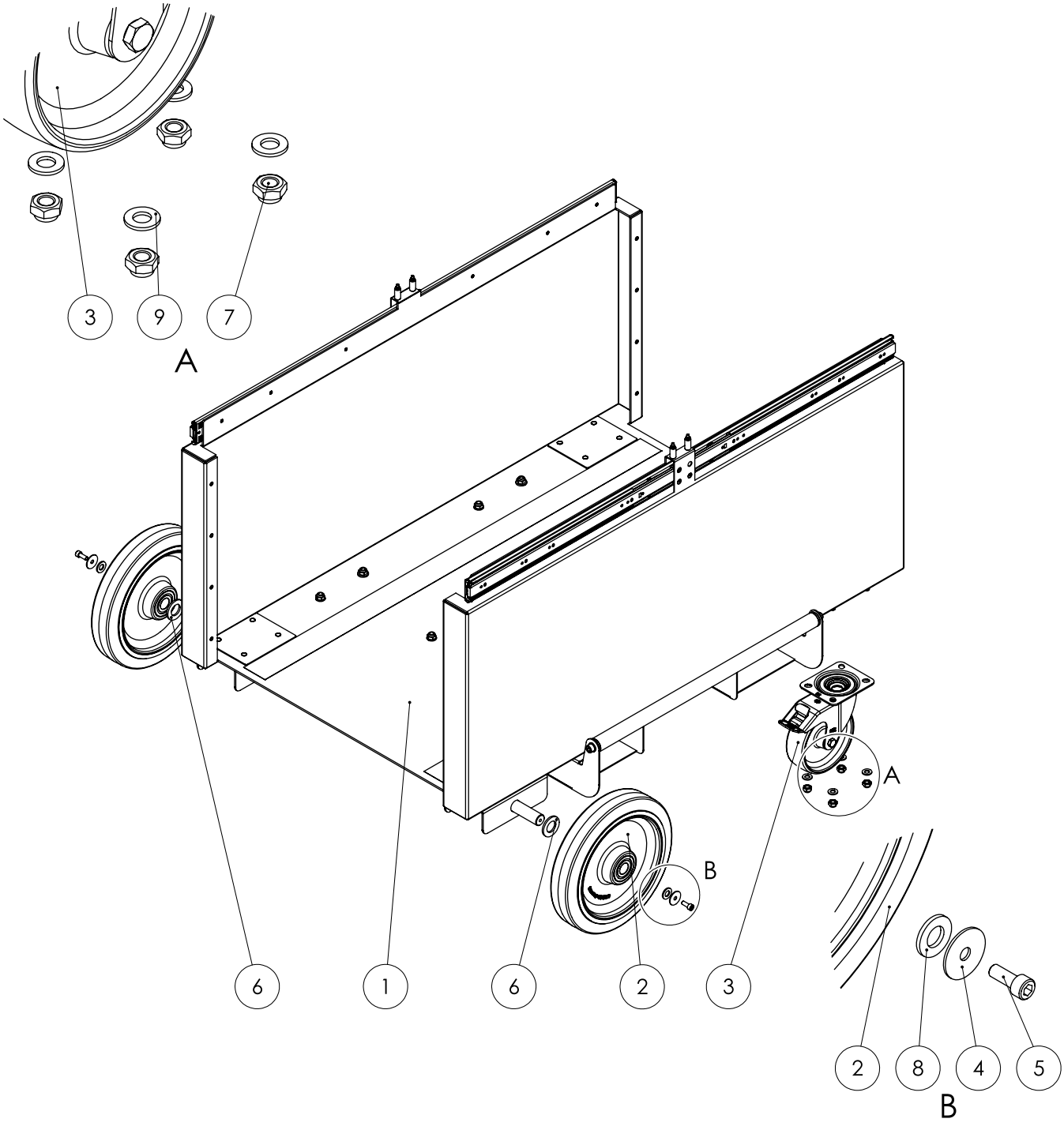


No.	Designation	Article number	No.	Designation	Article number
1	Basic housing	ZAT0001634	9	HEPA	ZAT0001743
2	Tension arm	P10003329	10	Fan	ZAT0002605
3	Tension rod	P10003328	11	Tension element	ZAT0002669
4	Air outlet	ZAT0001669	12	Spring tension element	P10000615
5	Impact protection	ZAT0001696	13	Nut	P10000099
6	Frame	ZAT0001676	14	Screw	P10001594
7	Cover	ZAT0001682	15	Nut	P10001121
8	Prefilter	ZAT0001702			

Basic housing

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

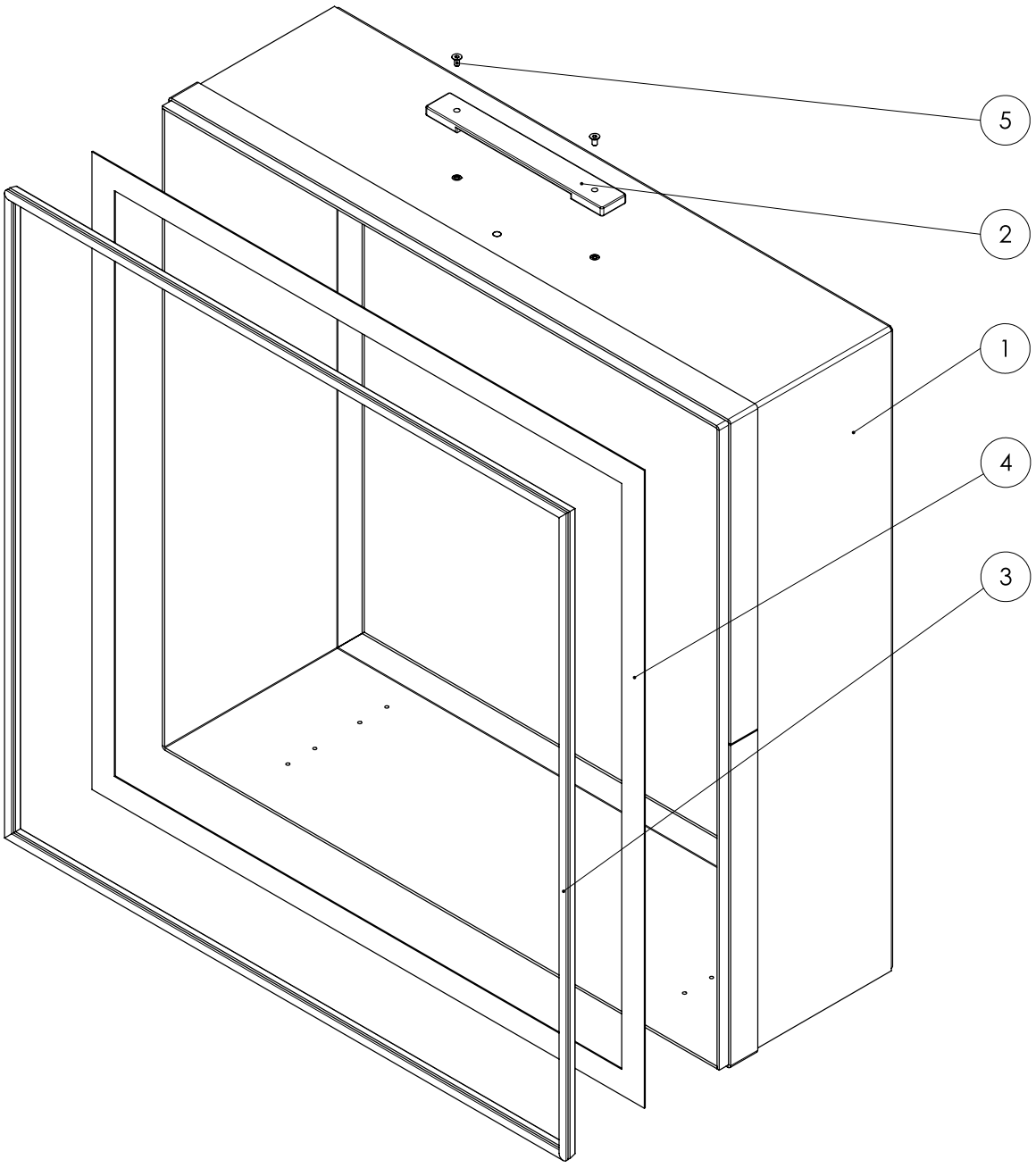


No.	Designation	Article number	No.	Designation	Article number
1	Bottom tray	ZAT0001635	6	Washer	P10001612
2	Wheel	P10001535	7	Nut	P10000099
3	Wheel	P10001534	8	Washer	P10000306
4	Washer	P10001119	9	Washer	P10000016
5	Screw	P10001252			

Prefilter

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

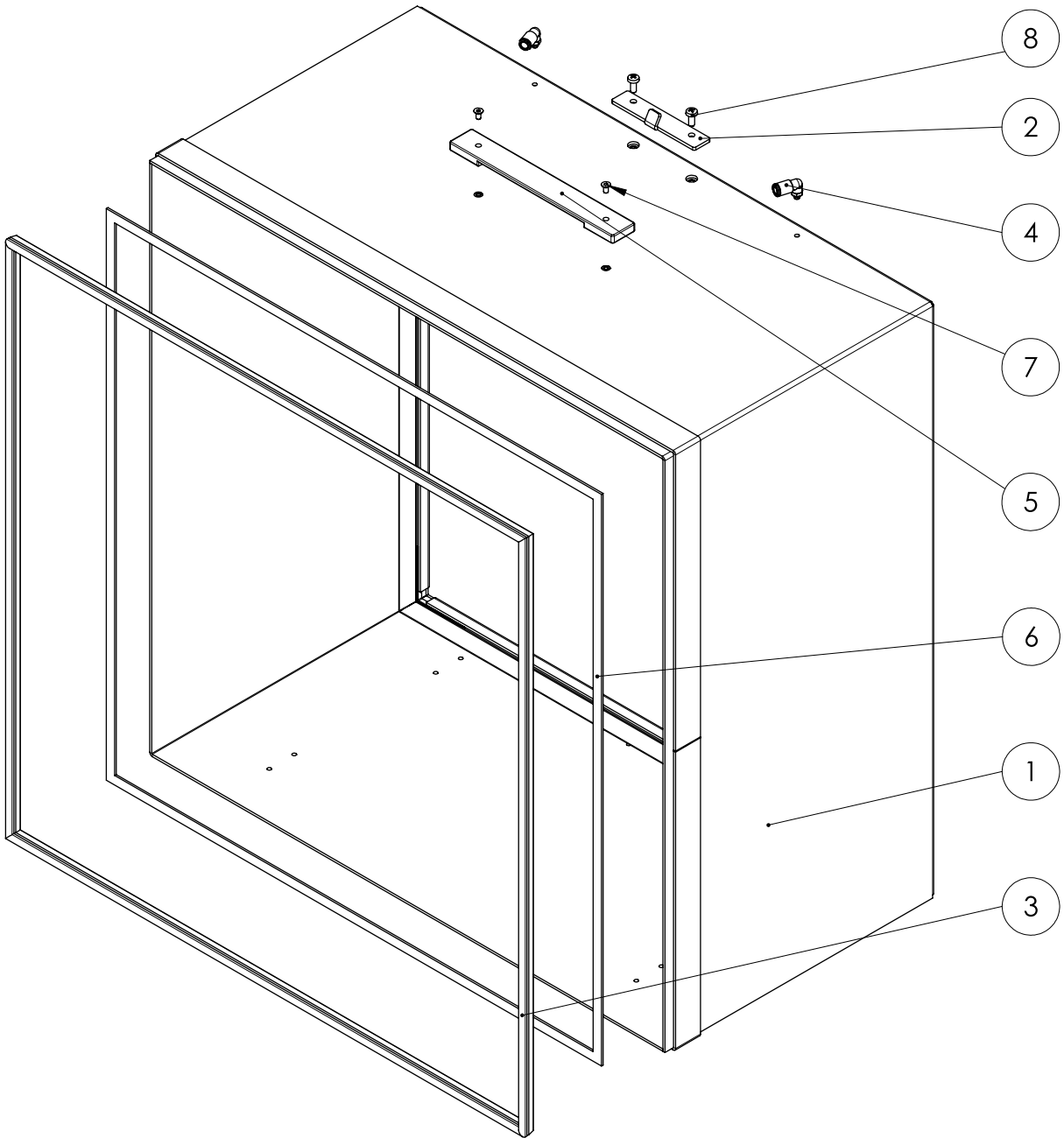


No.	Designation	Article number	No.	Designation	Article number
1	Prefilter SBG	P10003735	4	Gasket strip	P10007992
2	Strap handle	P10001543	5	Screw	P10000849
3	Seal	P10000290			

HEPA

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

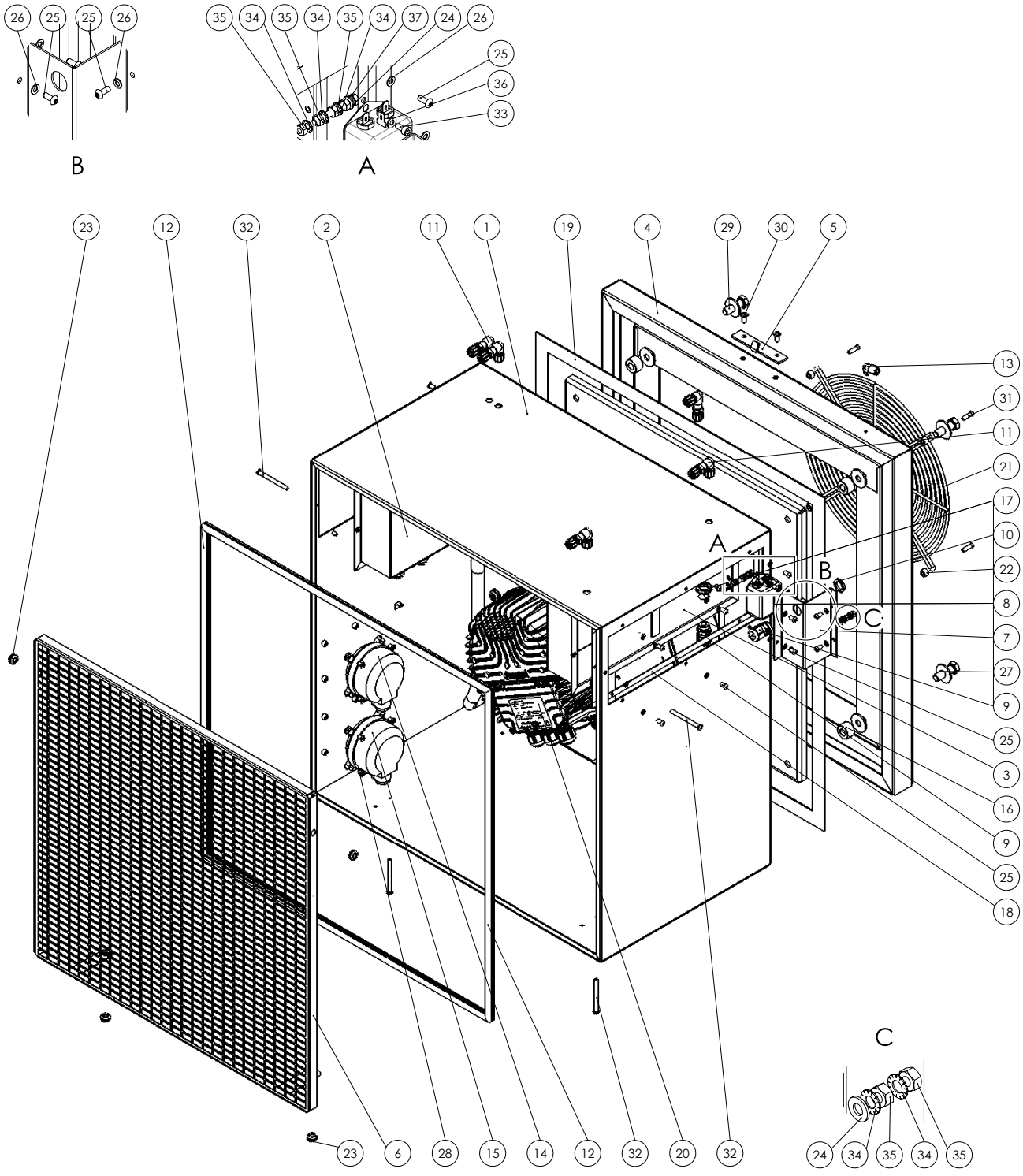


No.	Designation	Article number	No.	Designation	Article number
1	HEPA frame SBG	P10003732	5	Strap handle	P10001543
2	Hook plate	P10003309	6	Gasket strip	P10000357
3	Seal	P10000290	7	Screw	P10000849
4	Angle fitting	P10001306	8	Screw	P10001196

Fan

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

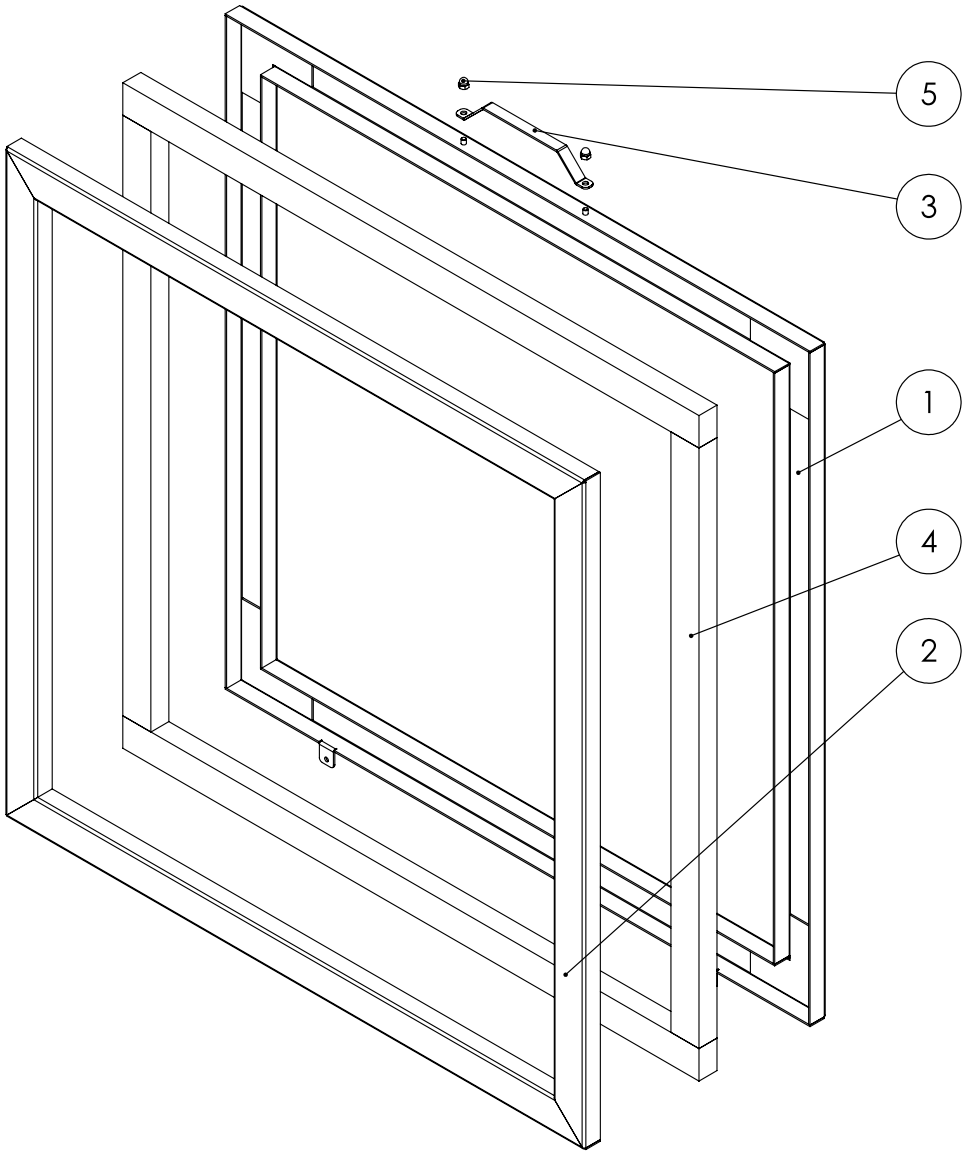


No.	Designation	Article number	No.	Designation	Article number
1	Fan housing SBG	P10003733	20	Fan	P1000 0596
2	Electric control box	ZAT0001087	21	Protective grid	P10006720
3	Cable box SBG	P10008302	22	Spacer sleeve	P10001110
4	Fan frame	P10003734	23	Feed-through	P10001417
5	Hook plate	P10003309	24	Washer	P10001134
6	Finger protection	P10007798	25	Screw	P10000782
7	Mains filter cover	P10008300	26	Washer	P10001310
8	Mains filter	P10001275	27	Washer	P10000490
9	Cable gland	P10007561	28	Screw	P10000322
10	Nut	P10003618	29	Screw	P10001461
11	Angle bulkhead fitting	P10001550	30	Screw	P10001196
12	Seal	P10001855	31	Screw	P10001640
13	Angle fitting	P10001306	32	Screw	P10008232
14	Differential pressure switch	P10001544	33	Screw	P10001129
15	Differential pressure switch	P10001545	34	Washer	P10000404
16	Spacer sleeve	P10001434	35	Nut	P10000006
17	Nut	P10007562	36	Washer	P10000038
18	Gasket strip	P10000357	37	Screw	P10001958
19	Gasket strip	P10007992			

Tension element

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

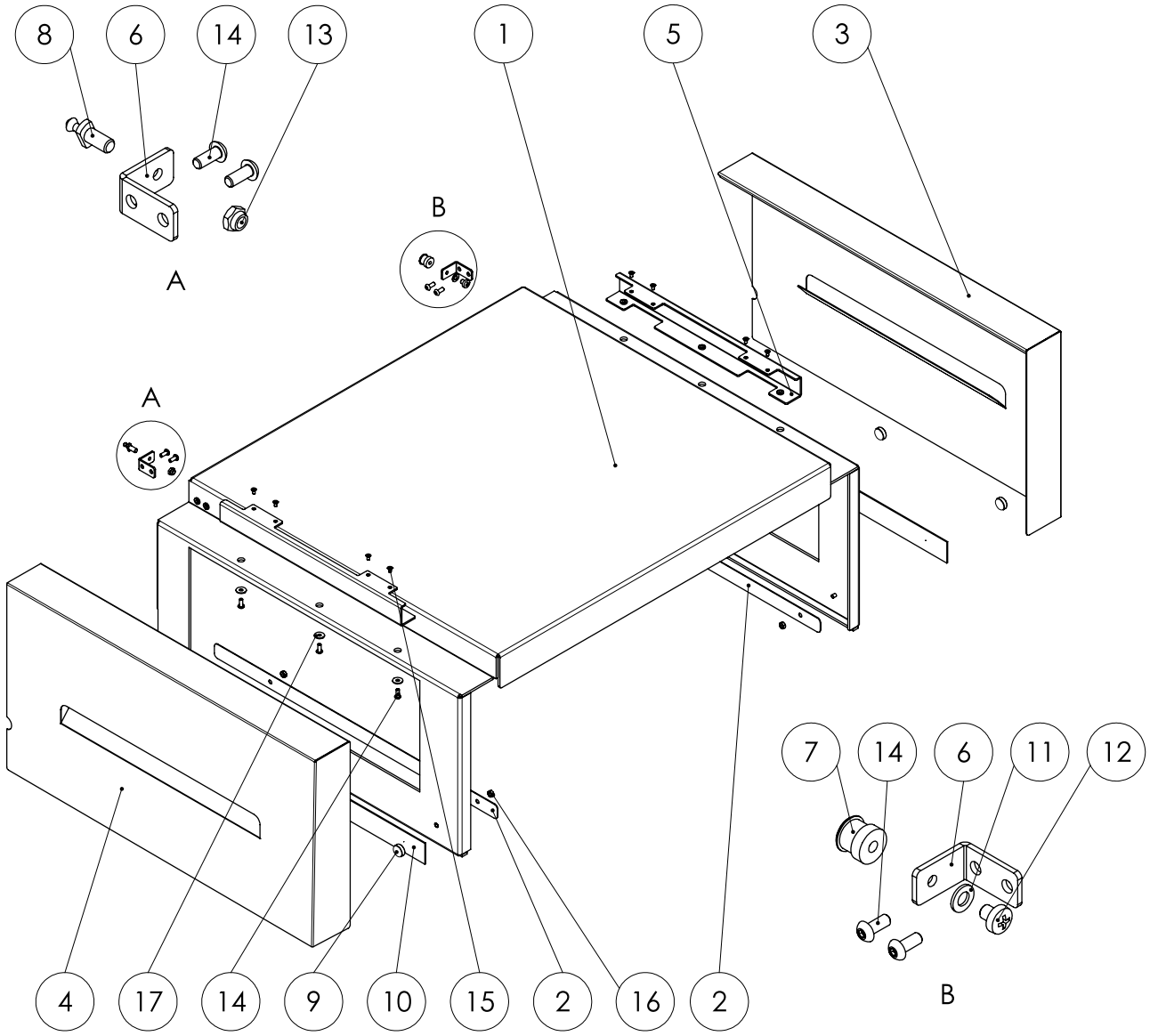


No.	Designation	Article number	No.	Designation	Article number
1	Tensioning frame	P10003736	4	Seal	P10001422
2	Tensioning frame	P10003755	5	Nut	P10000768
3	Handle	P10002158			

Cover

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

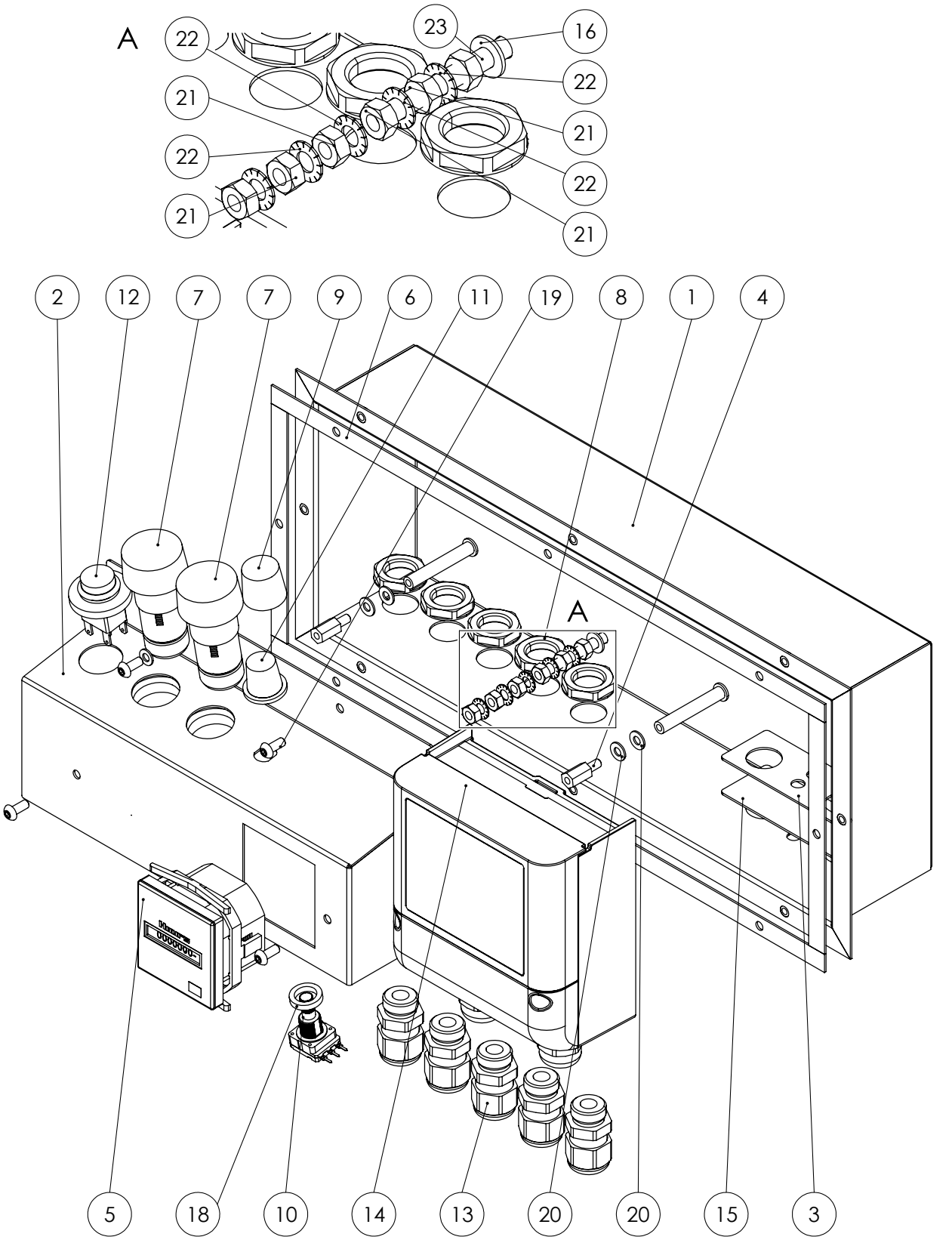


No.	Designation	Article number	No.	Designation	Article number
1	Cover SBG	P10003739	10	Magnetic strip	P10001741
2	Reinforcement plate	P10006757	11	Washer	P10000211
3	Cover SBG	P10003737	12	Screw	P10001179
4	Cover SBG	P10003314	13	Nut	P10000210
5	Folding bracket	P10003315	14	Screw	P10000782
6	Angle	P10003316	15	Screw	P10000783
7	Seal	P10001243	16	Nut	P10000208
8	Closure plug	P10001244	17	Washer	P10000449
9	Magnet 15.0x5.0 mm	P10001547			

Electric control box

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

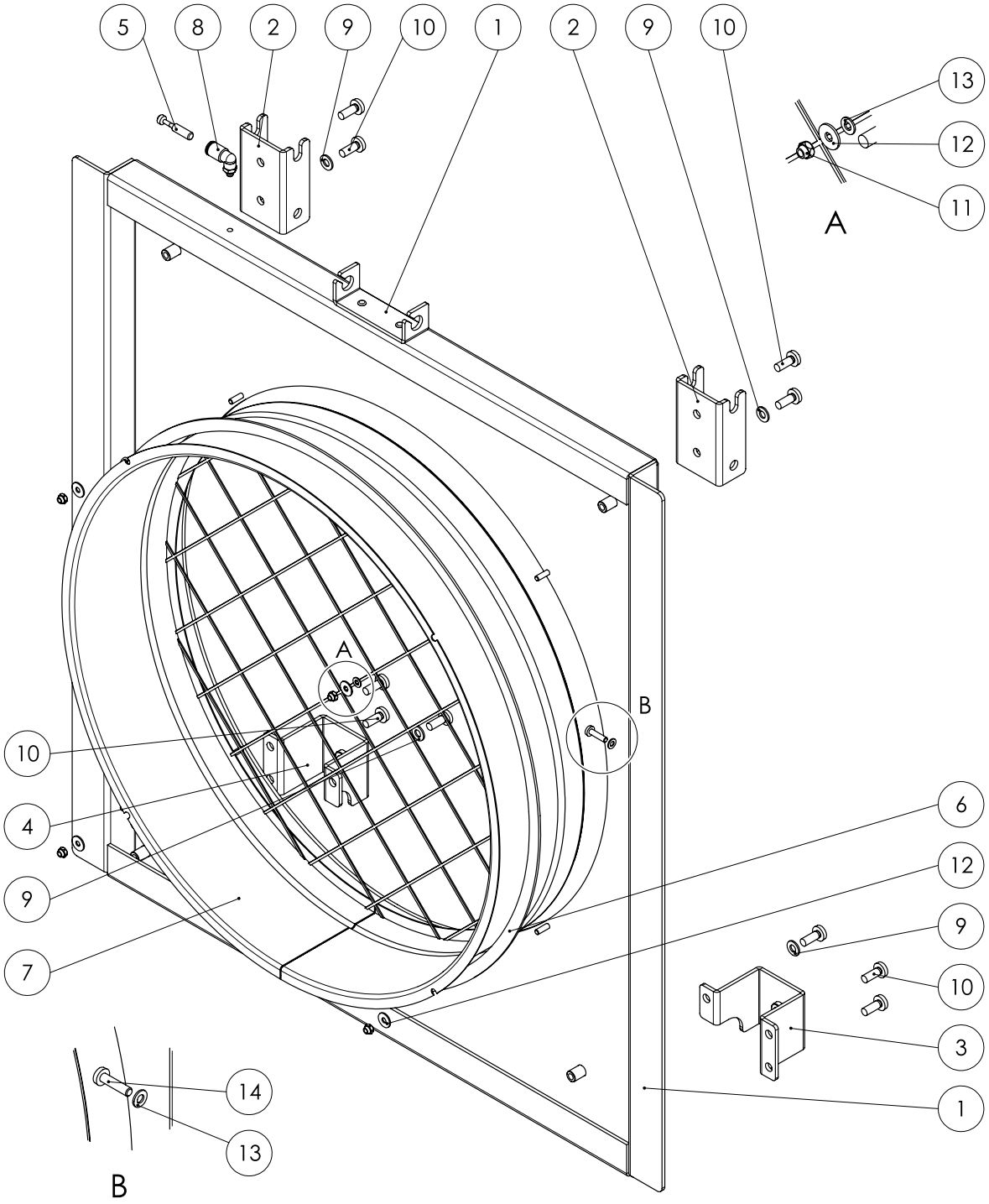


No.	Designation	Article number	No.	Designation	Article number
1	Electric control box	P10006259	13	Cable gland	P10007561
2	Elec. mounting plate	P10003305	14	Pressure sensor	P10006258
3	Gasket plate	P10006260	15	Gasket strip	P10000357
4	Spacer sleeve	P10001555	16	Washer	P10001134
5	Operating hours counter	P10001137	17	Washer	P10001310
6	Gasket strip	P10000357	18	Spacer sleeve	P10000364
7	Signal lamp	P10002353	19	Screw	P10000782
8	Nut	P10007562	20	Washer	P10000038
9	Cap	P10001249	21	Nut	P10000006
10	Potentiometer	P10001751	22	Washer	P10000404
11	Rotary button	P10001250	23	Screw	P10001958
12	Switch	P10001376			

Air outlet

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

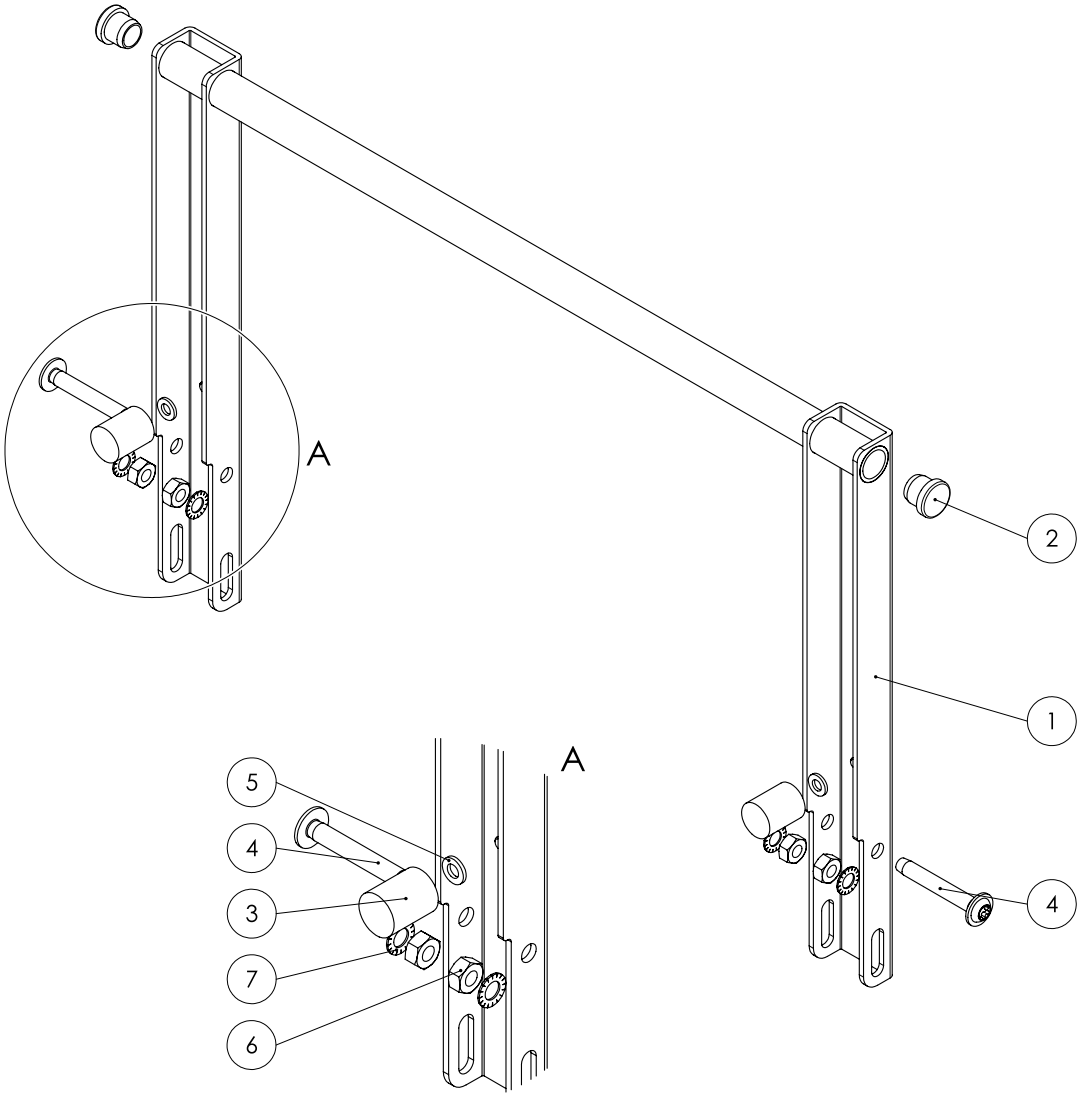


No.	Designation	Article number	No.	Designation	Article number
1	Front plate	P10003731	8	Angle fitting	P10001306
2	Frame holder	P10003319	9	Washer	P10001133
3	Bumper bar holder	P10003320	10	Screw	P10001200
4	Bumper bar holder	P10003321	11	Nut	P10000013
5	Sealing plug 5 mm	P10001646	12	Washer	P10000449
6	Gasket strip	P10000357	13	Washer	P10001310
7	Flanged collar DN 450	P10000656	14	Screw	P10001960

Frame

Info

The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.

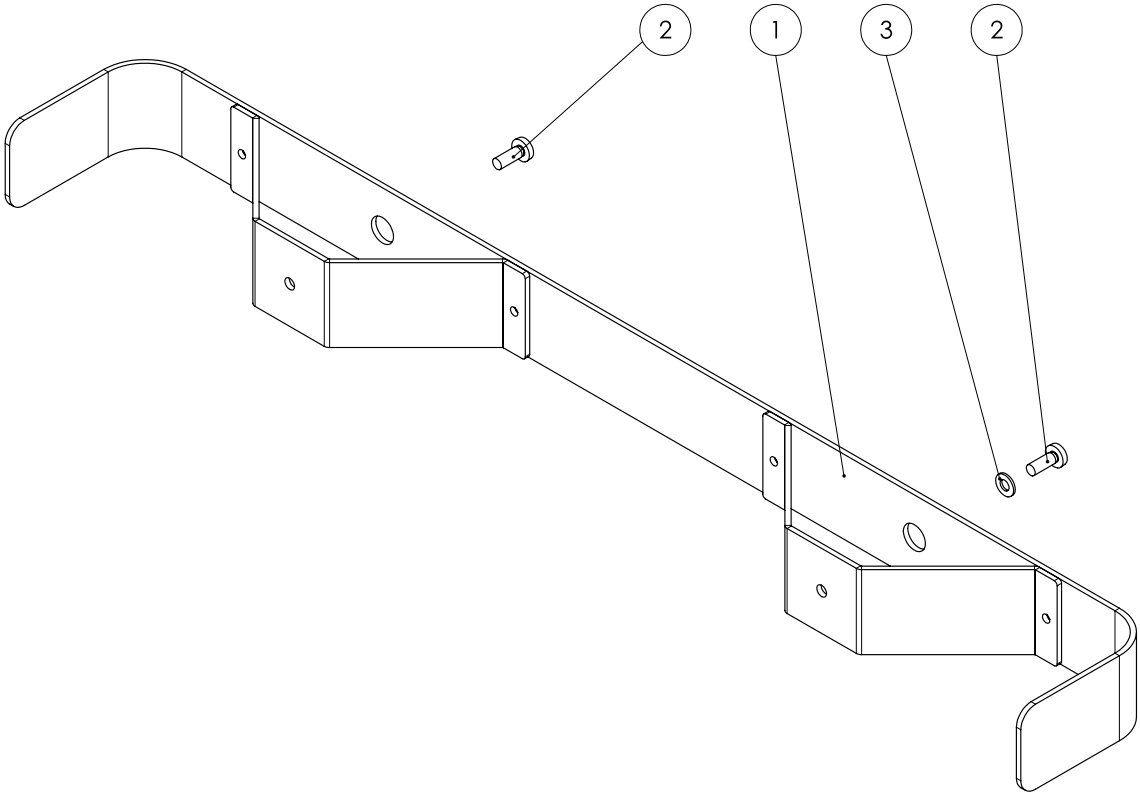


No.	Designation	Article number	No.	Designation	Article number
1	Frame	P10003729	5	Washer	P10000019
2	Finned plug	P10002041	6	Nut	P10001188
3	Rubber buffer	P10001546	7	Washer	P10001111
4	Screw	P10001594			

Impact protection

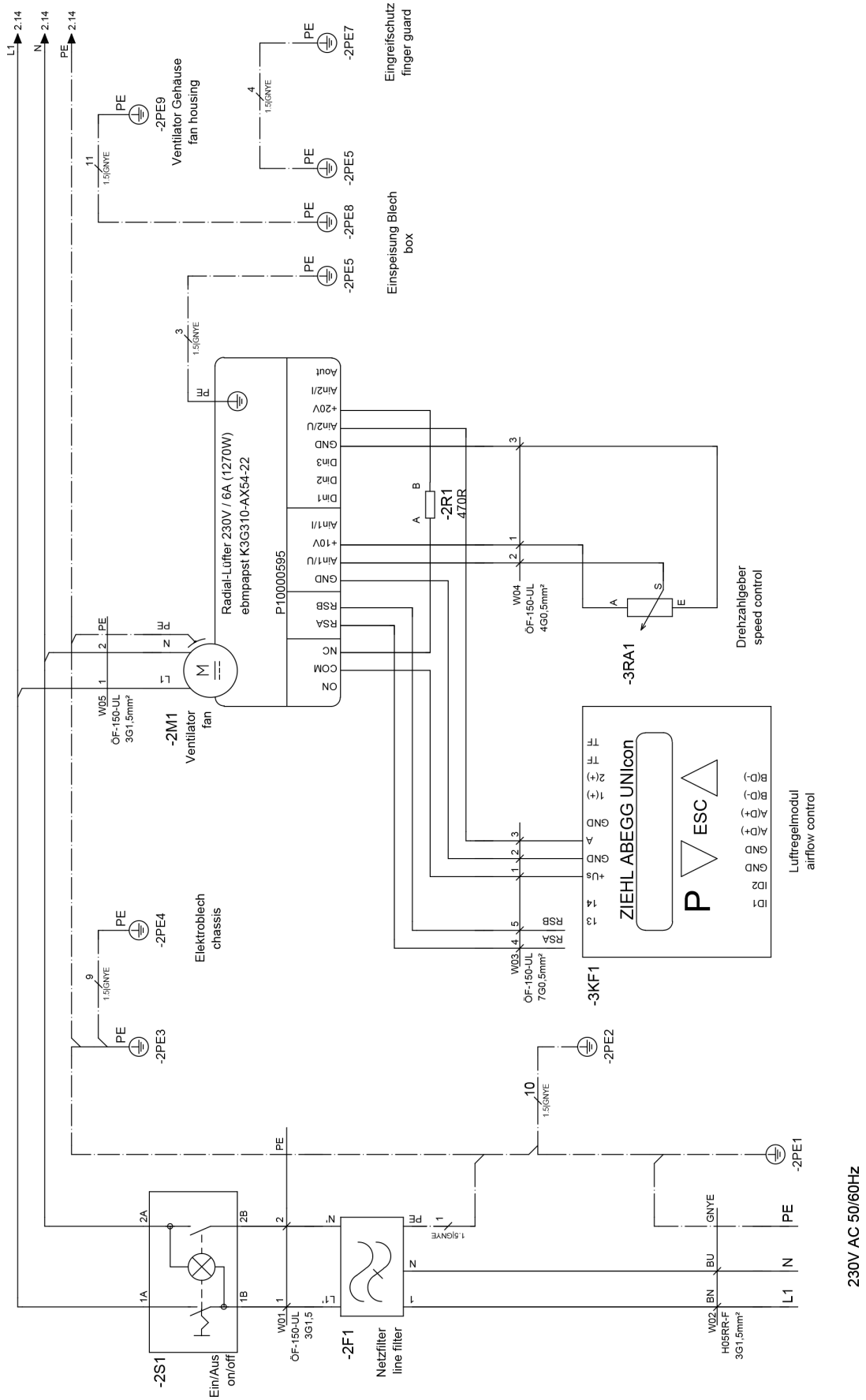
Info

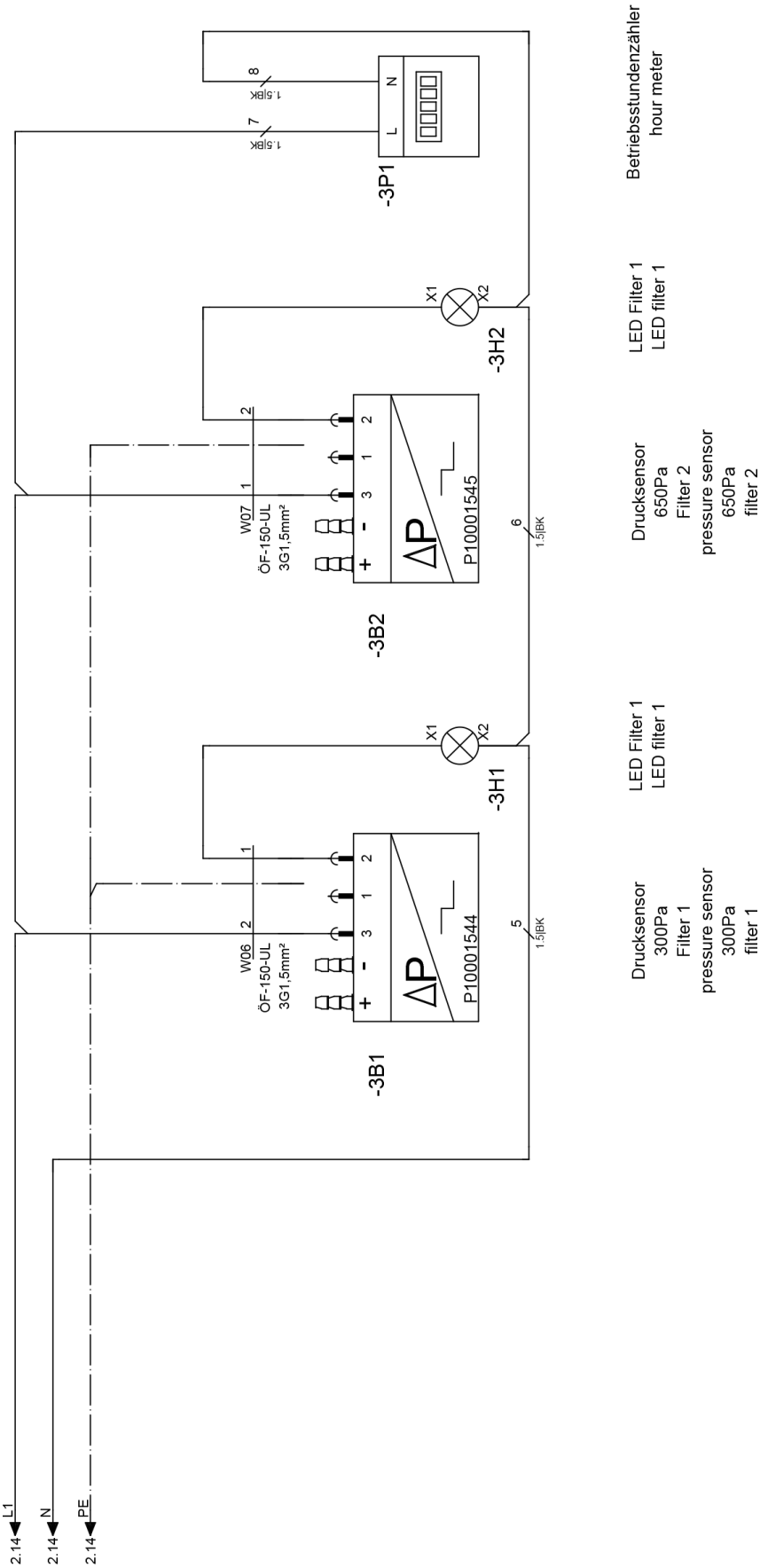
The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Designation	Article number	No.	Designation	Article number
1	Bumper bar		3	Washer	
2	Screw				

Circuit diagrams




L1
N
PE
2.14
2.14
2.14
-3B1
-3B2
-3P1
-3H1
-3H2
P10001544
P10001545
ΔP
W06
W07
ÖF-150-UL
3G1,5mm²
1,5BK
1,5IBK
Drucksensor 300Pa Filter 1 pressure sensor 300Pa filter 1
LED Filter 1 LED filter 1
Drucksensor 650Pa Filter 2 pressure sensor 650Pa filter 2
LED Filter 1 LED filter 1
Betriebsstundenzähler hour meter

EU Declaration of Conformity (original)

Declaration of conformity in accordance with the EC Machinery Directive 2006/42/EC, Annex II, Part 1, Section A

We – Trotec GmbH – declare in sole responsibility that the product designated below was developed, constructed and produced in compliance with all relevant provisions of the EC Machinery Directive in the version 2006/42/EC.

Product model / Product: TAC 6500

Product type: air cleaner

Year of manufacture as of: 2024

The product also complies with all relevant provisions of the following directives/regulations:

- 2011/65/EU
- 2014/30/EU

Applied harmonised standards:

- EN ISO 12100:2010
- EN ISO 13849-1:2015
- EN ISO 13857:2019
- EN ISO 14118:2018
- EN 55011:2016
- EN 55011:2016/A1:2017
- EN 55011:2016/A11:2020
- EN 60204-1:2018
- EN 60335-1:2012
- EN 60335-1:2012/AC:2014
- EN 60335-1:2012/A11:2014
- EN 60335-1:2012/A13:2017
- EN 60335-1:2012/A15:2021
- EN 60335-2-65:2003
- EN 60335-2-65:2003/A11:2012

Applied national standards and technical specifications:

- EN 55011:2016/A2:2012
- EN 60335-1:2012/A16:2023
- EN 60335-2-65:2003/A1:2008
- EN 60335-2-65:2003/A12:2022
- EN 60335-2-65:2003/A2:2022
- EN 60335-2-65:2003/C1:2004
- EN 62233:2008

Manufacturer and name of the authorised representative of the technical documentation:

Trotec GmbH

Grebbener Straße 7, D-52525 Heinsberg

Phone: +49 2452 962-400

E-mail: info@trotec.de

Place and date of issue:

Heinsberg, 17.11.2024

Joachim Ludwig, Managing Director

Trotec GmbH

Grebbener Str. 7
52525 Heinsberg
Germany
+49 2452 962-0
+49 2452 962-200

online@trotec.com
www.trotec.com