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# FESTOOL

## **Instruction manual - Dust extractor**

Page 6

**IMPORTANT:** Read all instructions before using.

## **Guide d'utilisation - Aspirateur**

Page 16

**IMPORTANT:** Lire toutes les instructions avant de démarrer les travaux.

## **Manual de instrucciones - Sistemas móviles de aspiración**

Página 27

**IMPORTANTE:** Lea todas las instrucciones antes de usar.

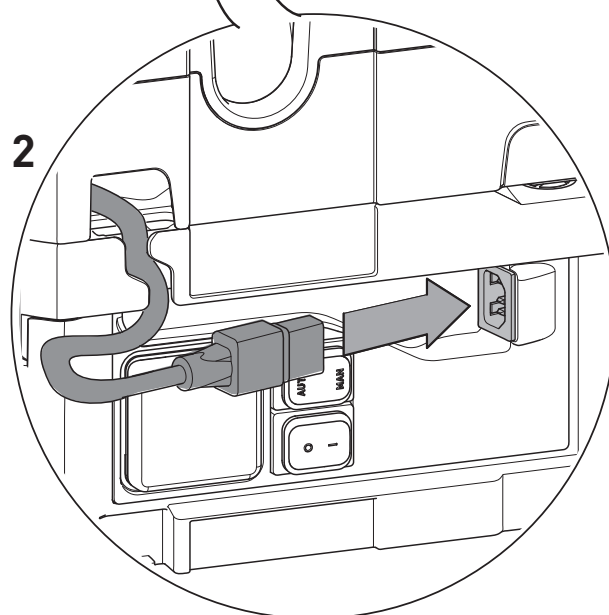
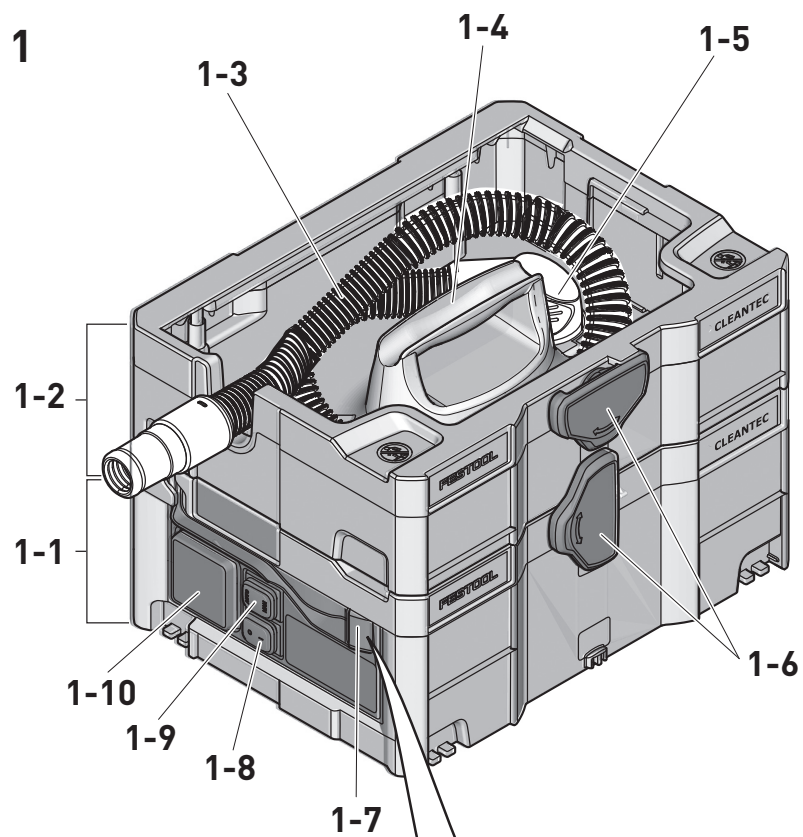
**Instruction manual  
Guide d'utilisation  
Manual de instrucciones**

# CT SYS HEPA



708070\_002

















## Original operating manual

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## Symbols

Sym- bol	Significance
	Warning of general danger
	Risk of electric shock
	Read operating instructions and safety notices!
	Wear a dust mask.
	Tip or advice
	Handling instruction
	<b>Warning!</b> The machine may contain hazardous dust!
	Climbing prohibited
	Do not leave in the rain!
	Do not absorb any water or liquids!
	Risk of tilting!

Sym- bol	Significance
W	watt
h	hour
min	minutes
s	seconds
kg	kilograms
Pa	pascal
dB	decibel
V	volts
A	amperes
Hz	hertz
~ a.c.	alternating current
— d.c.	direct current
$n_0$	no load speed
	Class II construction
rpm min <sup>-1</sup>	revolutions per minute
"	inch
lbs.	pound
∅	diameter




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## About this manual

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### Save these instructions

It is important for you to read and understand this manual. The information it contains relates to protecting **your safety** and **preventing problems**. The symbols below are used to help you recognize this information.

	<b>DANGER</b>	Description of imminent hazard and failure to avoid hazard will result in death.
	<b>WARNING</b>	Description of hazard and possible resulting injuries or death.
	<b>CAUTION</b>	Description of hazard and possible resulting injuries.

	<b>NOTICE</b>	Statement including nature of hazard and possible result.
	<b>HINT</b>	Indicates information, notes, or tips for improving your success using the tool.

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## Safety instructions

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# IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

### READ ALL INSTRUCTIONS

#### BEFORE USING THIS DUST EXTRACTOR:



**WARNING** - To reduce the risk of fire, electric shock, or injury:

- Do not leave the dust extractor when plugged in. Unplug from outlet when not in use and before servicing.

### **WARNING**

- **WARNING** - to Reduce the Risk Of Electric Shock - Do not use outdoors or on wet surfaces.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as describes in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If the dust extractor is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run dust extractor over cord. Keep cord away

from heated surfaces.

- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or dust extractor with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Connect to a properly grounded outlet only. See Grounding instructions.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.

## SAVE THESE INSTRUCTIONS

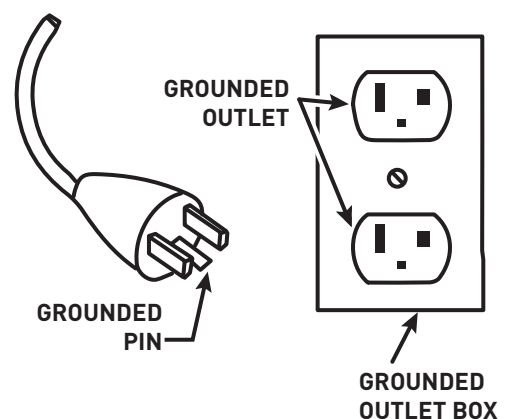
### GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This dust extractor is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**⚠ WARNING** - Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the dust extractor - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-V circuit and has a grounding attachment plug that looks like the plug illustrated in sketch A in Figure beside. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.

#### GROUNDING METHODS - SKETCH A



## Further safety instructions

- This appliance must not be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge. **Children** need to be supervised to ensure they do not play with the appliance.



### WARNING

**This machine is for dry use only.**



### CAUTION

**This machine is for indoor use only.  
This machine shall be stored indoors only.**

## Health hazard by dust



**WARNING!** Various dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated lumber.



The risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to

these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles. Wash hands after handling.



### WARNING

**TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL.**

## Intended use

Dust extractor suitable for

- Extracting non-hazardous dust, dirt, sand and chips,
- for increased loads during commercial use, according to IEC/EN 60335-2-69.

The filtering performance of the overall unit, which is fitted with a HEPA filter element, corresponds to

HEPA quality H 13 (medium degree of filtration 99.95%).

Dust extractor **not recommended** for continuous aspiration and extraction of fine dust, such as cement dust or filler.

Dust extractor **not** suitable for extracting water and liquids.



The user is liable for improper or non-intended use.

## Technical data

### Dust extractor

Power consumption	8.3 A
Maximum appliance socket connected load	12 A
Max. suction capacity (air), extractor/turbine	108 m³/h / 180 m³/h
Max. vacuum, turbine	96 static water lift (200 hPa)
Filter surface area	4.08 ft² (3786 cm²)
Suction hose	D 1 1/16 x 3/32" (D 27 mm x 3.0 m-AS)
Length of the net cable	16.4 ft (5.0 m)
Sound pressure level as per EN 60704-2-1 / Uncertainty K	67 dB(A) / 3 dB
Protection class	IP X0
Container capacity	1.19 gal. (4.5 l)
Dimensions L x W x H	only CT SYS HEPA 15.6 x 11.7 x 6.2" (396 x 296 x 162 mm)
	CT SYS HEPA with storage box 15.6 x 11.7 x 10.6" (396 x 296 x 270 mm)
Weight	CT SYS HEPA with storage box 15.2 lbs. (6.9 kg)

## Functional description

The pictures for the functional description are on a fold-out page at the beginning of the instruction manual. When reading of the manual you can fold out this page for having always an overview of the machine.

- [1-1]** Dust extractor
- [1-2]** Storage box
- [1-3]** Extractor hose

- [1-4]** Handle
- [1-5]** Angle adapter
- [1-6]** T-LOC latch for Systainers
- [1-7]** Cold-device plug
- [1-8]** On/Off switch
- [1-9]** AUTO/MAN switch
- [1-10]** Appliance socket

## Operation

Consider the pictures on the fold-out page.



### WARNING

#### Unauthorised voltage or frequency!

#### Risk of accidents

- Observe the specifications on the machine's name plate.
- Observe country-specific regulations.

cient cross-section to prevent an excessive drop in voltage or overheating. An excessive drop in voltage reduces the output and can lead to failure of the motor. The table below shows you the correct cord diameter as a function of the cord length for this tool.

Total Extension Cord Length (feet)	25	50	100	150
Cable size (AWG)	18	16	14	12

### Extension Cord

If an extension cord is required, it must have suffi-

Use only U.L. and CSA listed extension cords.

Never use two extension cords together. Instead,

use one long one.

- ① The lower the AWG number, the stronger the cord.

### Connect dust extractor



#### WARNING

##### Risk of injury from tools starting up unexpectedly

- Before switching on ensure that the connected tool is switched off.

- Insert the mains power cable in the cold-device connector [2] and in an earthed socket.
- Lay the mains cable through the recess [2].

The switch [1-8] serves as an on/off switch.

Using the [1-9] switch, switch between the AUTO and MAN settings.

#### "MAN" switch position

Appliance socket [1-10] is not connected to the power, the dust extractor starts.

#### "Auto" switch position

Appliance socket [1-10] is connected to the power, the dust extractor starts when the connected tool is switched on.



Pull the plug from the socket when the machine is not in use and prior to maintenance and cleaning work.

### Connecting electric power tools



#### WARNING

##### Risk of injury

- Observe the maximum appliance socket connected load (see chapter "Technical data")
- Switch off the electric power tool.

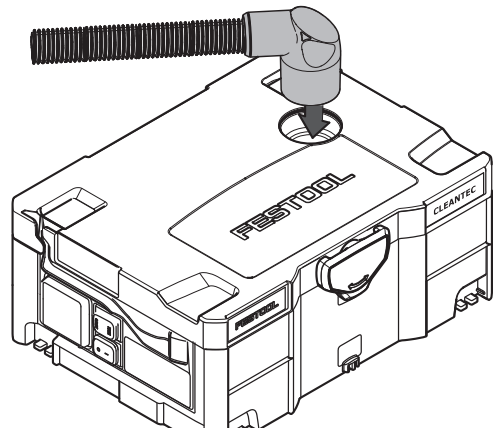
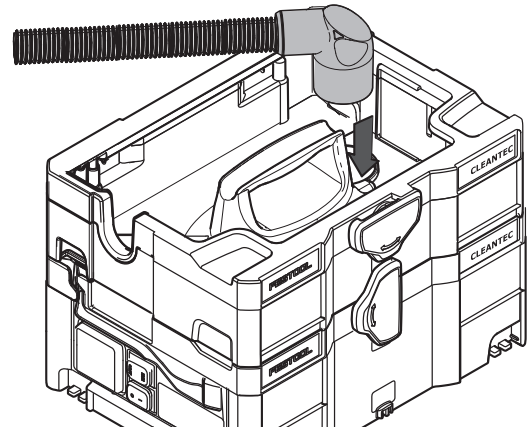
- Always use the socket on the machine for the purpose specified!

- Connect the electric power tool to the appliance socket [1-10].

### Connecting the suction hose

#### at the extraction opening [3]

- Connect the suction hose to the elbow at the extraction opening.




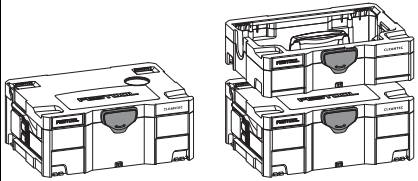

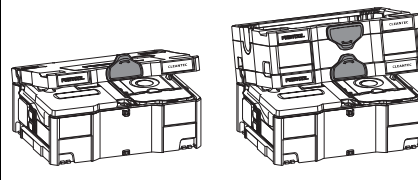
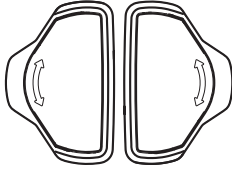
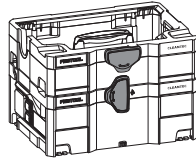
3



## Settings

### Connect with the T-Loc

The dust extractor can be closed, opened and connected by turning the T-Loc:

Close dust extractor		
Open dust extractor		
Connect dust extractor to storage box		



Before lifting, always close the T-Loc at the dust extractor or connect to the storage box and check for secure holding.

Max. load for connection to other Systainers: 44.09 lbs. (20 kg)

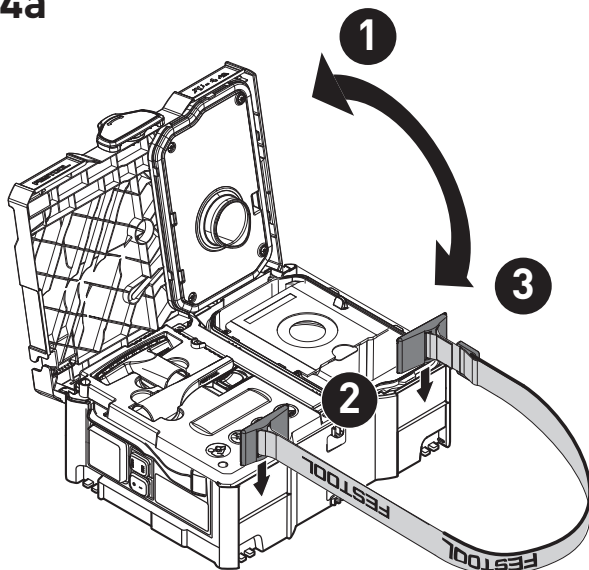
### Use/Adjust carrying strap

Max. permissible load of carrying strap: 44.09 lbs. (20 kg)

The carrying strap can be attached in two different positions:

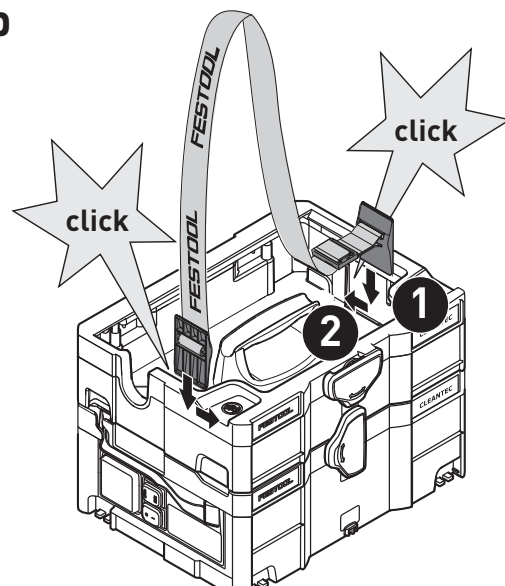
- **Carrying the dust extractor:** Carrying strap at dust extractor [4a]


4a



- **Carrying storage box with dust extractor:** Carrying strap at storage box [4b]

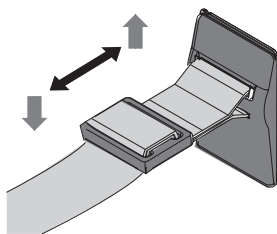
4b



 Before lifting, check the carrying strap for proper functionality and put T-loc at dust extractor into corresponding position.

Adjust the length of the carrying strap at the adjusting tab **[4c]**.

**4c**



## Temperature monitoring

Before reaching a critical temperature, the temperature monitor switches off the dust extractor.

► Switch off the dust extractor, allow to cool for about 5 minutes, then switch on again.

① Not possible to switch on: Contact Festool customer service workshop.

## The antistatic system

Friction inside the extraction hose causes static electricity to develop during extraction. Operating personnel may receive unpleasant electric shocks while working. The mobile dust extractor is fitted with an antistatic system as standard to discharge any static electricity that may develop. However, always use the enclosed antistatic extraction hose.

## Working with the dust extractor



### WARNING

**Not suitable to vacuum hazardous or toxic substances or dusts e.g. asbestos.**

► The filters will not be able to capture all particles and may exhaust them back into the environment.



### CAUTION

**Hazardous dust**

**Damage to the respiratory passage**

► Always use a filter bag!

① Two cleaning nozzles are stored in the inside of the dust extractor **[5-1]**.

– Risk of tilting, do not place on sloped areas!

**Observe the following instructions:**

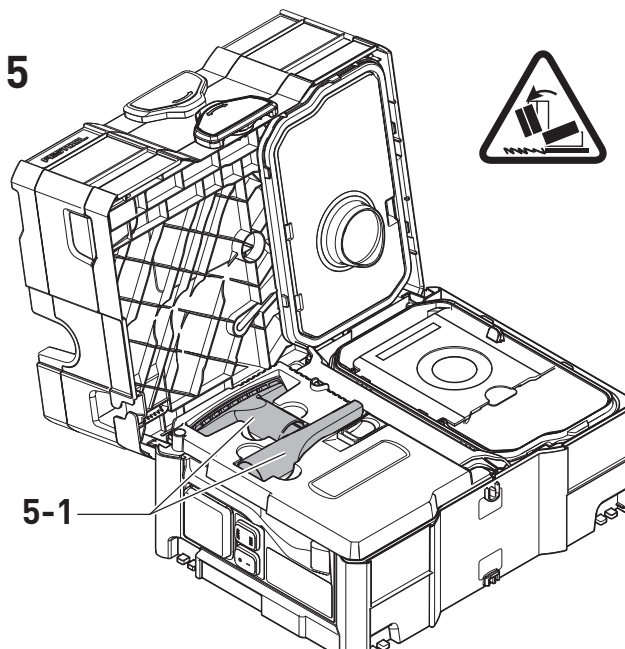
– **Risk of explosion and fire: Do not absorb:**

- Sparks or hot dust;
- Combustible or explosive materials (e.g. magnesium, aluminium, petrol, diluting agents);
- Aggressive materials (e.g. acid, alkaline solutions, solvents);
- Chemically reactive materials, which lead to the generation of heat, acids/bases, gases,

etc. (e.g. reactive 2-component materials, aluminium and water).

– Observe all national safety regulations as well as the material manufacturer's specifications!

**5**



**5-1**

- Do not lift or transport using a crane hook or lifting gear!
- Always use suitable protective equipment!
- If intact following a visual inspection, work in a dry environment according to instructions!
- The dust extractor is a stationary system and not suitable for pulling at the cable and hose. Use handle **[1-4]**.

- Static charge may occur if an anti-static suction hose is not used. The user may suffer an electric shock.

**Please note the following after the work:**

- ▶ Switch off the dust extractor and pull out the mains plug.
- ▶ Wind up the mains power cable.

- ▶ Empty the dirt trap.
- ▶ Place suction hose **[1-3]** and mains power cable in storage box.
- ▶ Clean inside and outside of dust extractor by applying vacuum and wipe.
- ▶ Place the dust extractor in a dry room inaccessible to unauthorised users.

## Troubleshooting

### Flow noise during dust extraction

Automatic bypass: A valve opens that supplies the turbine with cooling air:

cause Blocked filter element, filter bag full or blocked suction hose

Solution Empty container, replace or clean filter element, replace filter bag, check suction hose for blockage and remove, if necessary

## Service and maintenance



### WARNING

**Any maintenance or repair work that requires opening of the motor or gear housing should only be carried out by an authorised Customer Service Centre (name supplied by your dealer)!**

- ▶ Maintenance or repair work carried out by an unauthorised person can lead to the wrong connection of the power cord or other components, which in turn can lead to accidents with serious consequences.



**Customer service and repair** only through manufacturer or service workshops: Please find the nearest address at: [www.festoolusa.com/service](http://www.festoolusa.com/service)



Use only original Festool spare parts! Order No. at: [www.festoolusa.com/service](http://www.festoolusa.com/service)



### WARNING

**To prevent accidents, always remove the plug from the power supply socket before carrying out any changes or maintenance work on the tool!**

- ▶ Do not use compressed air to clean the electrical tool! Do not try to clean parts inside the tool in this way, as you could let foreign objects in through the openings of the tool housing.

- ▶ Regularly replace the filter bag and clean the container and seals.

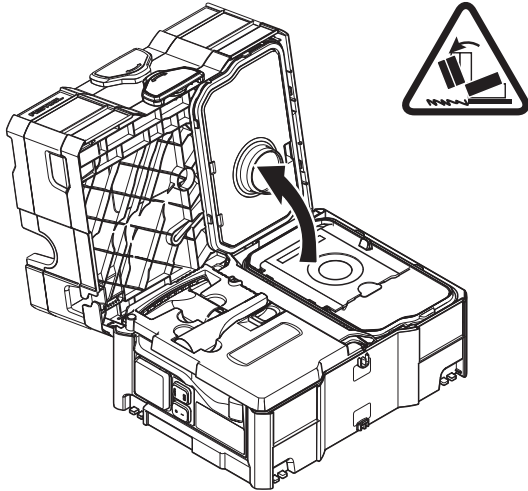
**Observe the following instructions:**

- The manufacturer or an instructed person must perform a dust test at least once a year to determine whether the filter is damaged, the machine is sealed properly and the monitoring features are functioning correctly.
- Anything that cannot be cleaned must be discarded in impermeable bags. Observe applicable disposal regulations!

## Changing the filter bag

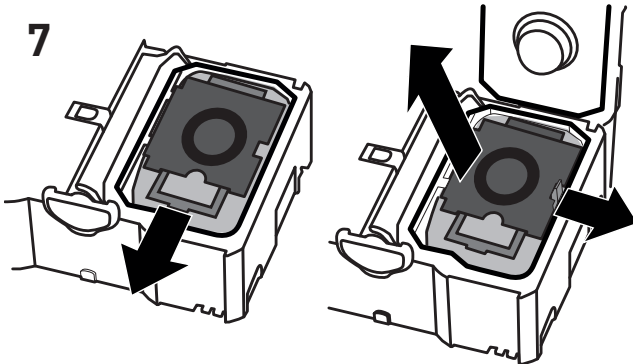
- Open dust extractor with T-Loc [6]. **Attention: Risk of tilting!**

6



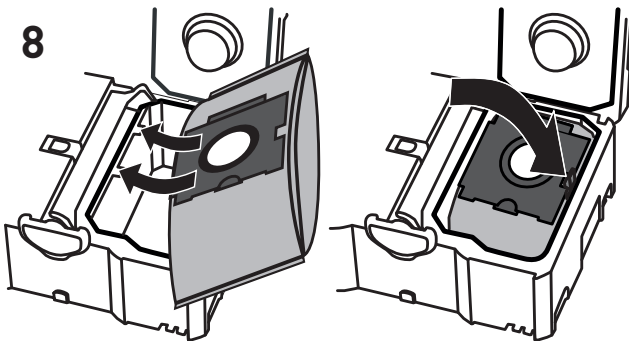
- Changing the filter bag:
  - Remove filter bag [7].

7



- Insert a filter bag [8].

8



- Close dust extractor with T-Loc.

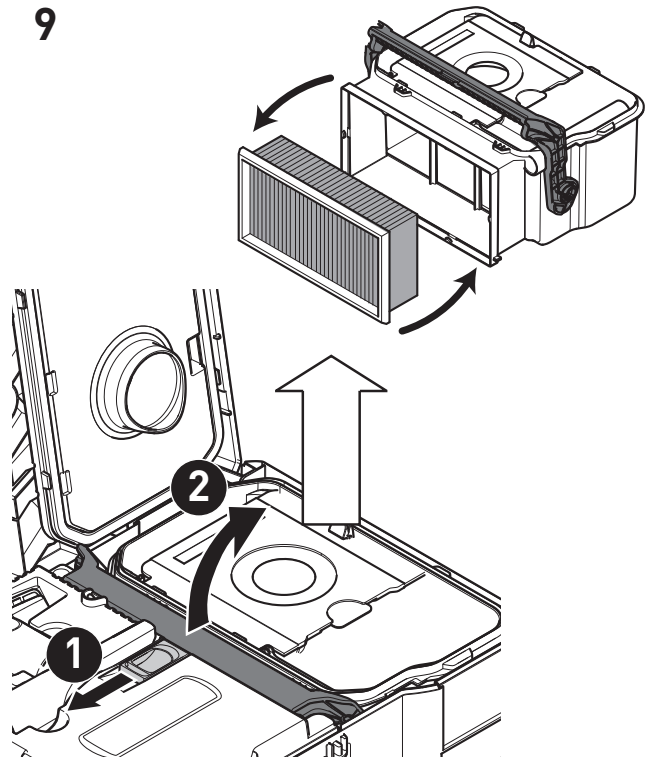
## Changing the filter element [9]

### NOTE

#### Motor damage

- Never operate the extractor without a filter element fitted as the motor may become damaged.

9



- Open dust extractor with T-Loc [6]. **Attention: Risk of tilting!**
  - Unlock and fold down lever.
  - Remove container upwards.
  - Remove used filter element and replace with a new one.
  - Dispose of the used filter element in accordance with statutory regulations.
  - Clean container and seals.
  - Insert container. Fold up and lock lever.
  - Close dust extractor with T-Loc.
- ① The order numbers for accessories, filters and consumables can be found in the Festool catalogue or on the internet at [www.festoolusa.com](http://www.festoolusa.com).

## Transport

### Observe the following instructions:

- Before transportation, always close the T-Loc at the dust extractor or connect to the storage box.
- For transportation in vehicles, secure the device against slipping and tilting in accordance with the valid guidelines.

## Environment

### Do not dispose of the device as domestic waste!

Dispose of machines, accessories and packaging at an environmentally responsible recycling centre. Observe the respective national regulations.