

Festool GmbH  
Wertstraße 20  
73240 Wendlingen  
Germany

[www.festoolusa.com](http://www.festoolusa.com)

DISTRIBUTED BY:  
Pro Wood Finishes  
14622 Southlawn Lane  
Rockville MD 20850  
Ph: (301) 424-3033

# FESTOOL

## Instruction manual - Eccentric sander

Page 6

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

## Guide d'utilisation - Ponceuse excentrique

Page 15

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

## Manual de instrucciones - Lijadora excentrica

Página 27

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

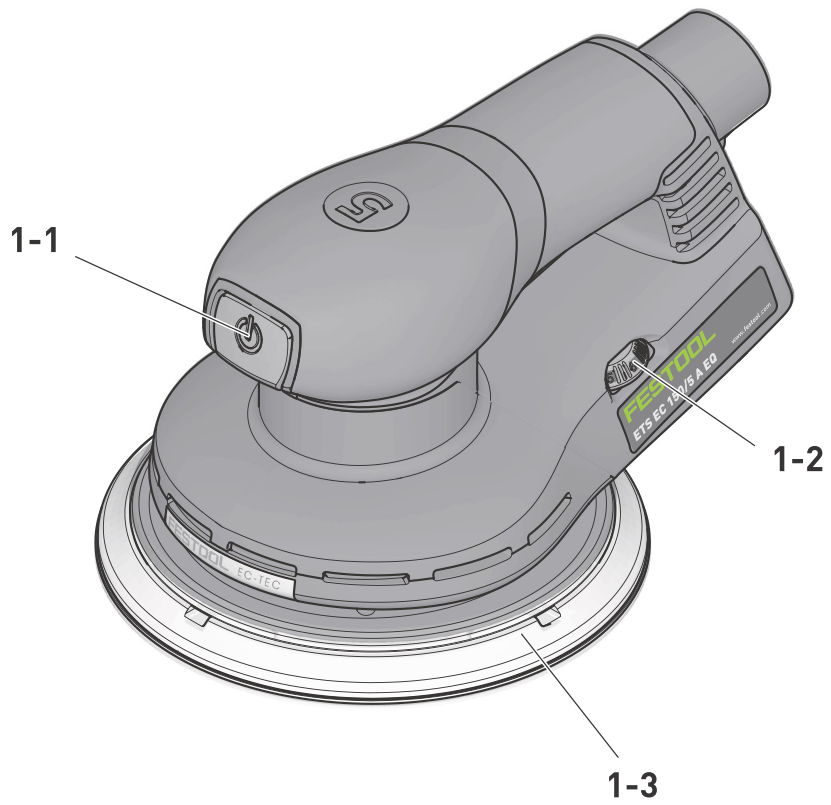
Instruction manual  
Guide d'utilisation  
Manual de instrucciones

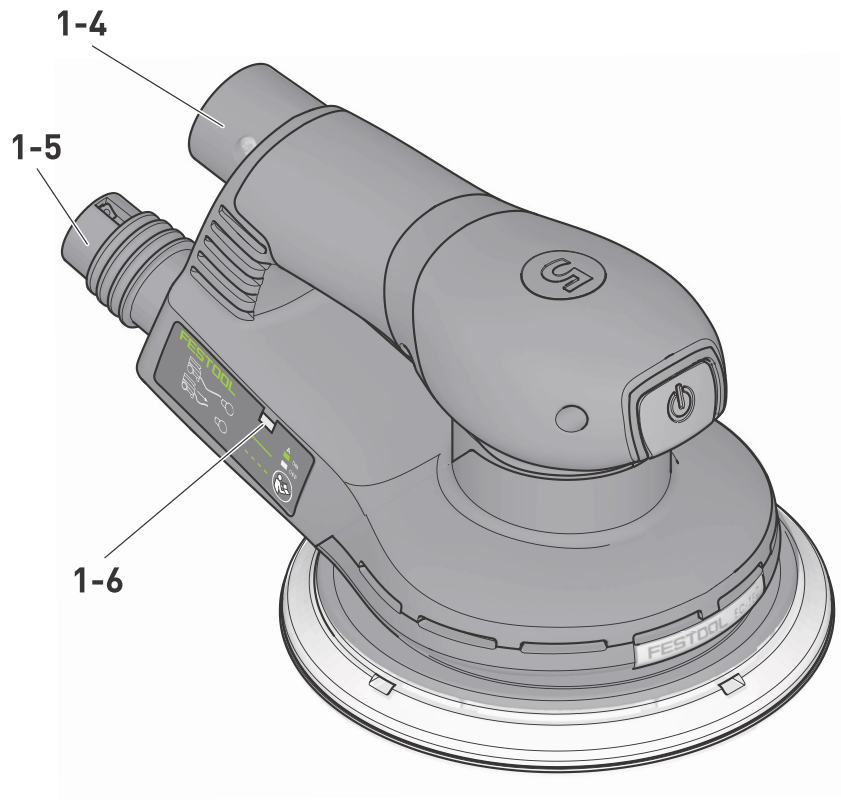
**ETS EC 150/3 EQ**  
**ETS EC 150/5 EQ**



705798\_003










## Contents



About this manual .....	6	Setting and adjusting the speed .....	11
Symbols .....	6	Extractor signal .....	11
Safety instructions.....	7	Replacing the sanding pad [3] .....	11
General safety instructions.....	7	Attaching sanding accessories using StickFix [4] .....	12
Machine-related safety instructions....	8	Dust extraction.....	12
Mixed dust containing metal and sand- ing damp surfaces.....	9	Working with the machine .....	13
Health hazard by dust .....	9	Service and maintenance.....	13
Intended use .....	9	Cleaning the extraction channels.....	14
Technical data.....	10	Cleaning the inside of the power tool..	14
Functional description.....	10	Replace sanding pad and sanding pad brake .....	14
Operation .....	10	Accessories .....	14
Settings.....	11	Environment.....	14
Electronics.....	11		

## About this manual

### 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.

## Symbols

### Symbol Significance

	Warning of general danger
	Risk of electric shock
	Read operating instructions and safety notices!
	Wear ear protection.

### Symbol Significance

	Wear a dust mask.
	Wear protective goggles.
	Do not dispose of as domestic waste.
	Tip or advice




## Symbol Significance

▶	Handling instruction
□	Safety class II
V	volts
A	amperes
Hz	hertz
~ a.c.	alternating current
— d.c.	direct current
$n_0$	no load speed
□	Class II construction
rpm	revolutions per minute
$\text{min}^{-1}$	
"	inch
lb.	pound
∅	diameter

## Safety instructions

### General safety instructions

 **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.**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### 1 WORK AREA SAFETY

- Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### 2 ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and**

**refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

#### 3 PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non skid safety shoes, hard hat, or

hearing protection used for appropriate conditions will reduce personal injuries.

- c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore, tool safety principles.** A careless action can cause severe injury within a fraction of a second.

#### 4 POWER TOOL USE AND CARE

- a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. **Disconnect the plug from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power**

**tool repaired before use.** Many accidents are caused by poorly maintained power tools.

- f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h. **Keep handles dry, clean and free from oil and grease.** Slippery handles do not allow for safe handling and control of the tool in unexpected situations.

#### 5 SERVICE

- a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

#### Machine-related safety instructions

- **Harmful/toxic dust can be produced during your work (e.g. lead-containing paint, some types of wood and metal).** Contact with this dust, especially inhaling it, can represent a hazard for operating personnel or persons in the vicinity. Comply with the safety regulations that apply in your country. Connect the electric power tool to a suitable extraction system.



To protect your health, wear a P2 protective mask.



Always wear protective goggles to protect against sanding hazards.

- **Use a residual current protective device when metal grinding, as well as when the operation of the power tool in a wet environment cannot be avoided.** In the event of an electric shock, the protective switch protects you against life-threatening current through the body.
- **Clean work equipment soaked in oils, for example sanding pad or polishing felt, with water and allow to dry.** Work equipment soaked in oil may combust spontaneously.
- **Attention: Risk of fire! Avoid overheating the grinding material and the sander. Always empty the dust container before taking a break.** Swarf in the filter bag or filter of the mobile dust extractor may self-ignite in unfavourable conditions such as flying sparks when grinding metals. Particular danger exists if the swarf is mixed with paint, polyurethane residue or other chemical

materials and the grinding material is hot after long periods of work.

- **Always use original Festool sanding pads.** Foreign pads are not suitable for the speed of the sander and may break.
- **If the power tool is dropped or falls, check for damage to the machine and sanding pad. Remove the sanding pad for closer inspection. Repair damaged parts before using again.** Broken sanding pads and damaged machines can cause injuries and machine instability.

### Mixed dust containing metal and sanding damp surfaces



With mixed dust containing metal (such as dust resulting from paint sanding in the automotive field) and when sanding damp surfaces, the following measures must be observed for reasons of safety:

- Install a residual-current circuit breaker (GFCI, PRCD) upstream.
- Connect the machine to a suitable dust extractor.
- Regularly blow out the motor housing of the machine to remove dust deposits.



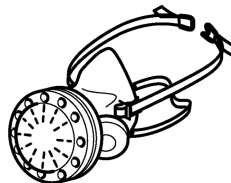
Wear protective goggles.

### 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

The sanders are designed for sanding wood, plastic, composite, paint/varnish, filler and similar materials as directed. With mixed dust containing metal (such as dust resulting from paint sanding in the automotive industry) and when sanding damp surfaces, special safety instructions must be followed.

The sanders are not intended to be suitable for grinding bare metal. Material containing asbestos cannot be processed.



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

### Technical data

Eccentric sander	ETS EC 150/3 EQ	ETS EC 150/5 EQ
Power	400 W	400 W
Idle speed	6000 - 10000 min <sup>-1</sup>	6000 - 10000 min <sup>-1</sup>
Sanding stroke	3.0 mm (0.12 in.)	5.0 mm (0.20 in.)
Sanding pad	D 150 mm (5.9 in.)	D 150 mm (5.9 in.)
Weight (without mains cable, with sanding pad)	1.2 kg (2.65 lb)	1.2 kg (2.65 lb)
Safety class	□ /II	□ /II

## Functional description

The pictures for the functional description are on a fold-out page at the beginning of the instruction manual. While reading the manual you can fold out the page for comparison and quick reference.

**[1-1]** ON/OFF button

**[1-2]** Speed control

**[1-3]** Sanding pad

**[1-4]** Plug it-connection

**[1-5]** Extractor connector

**[1-6]** LED for extractor signal

**[1-7]** Handle (insulated gripping surface)

## Operation

Consider the pictures on the fold-out page.



### WARNING

#### Unauthorised voltage or frequency!

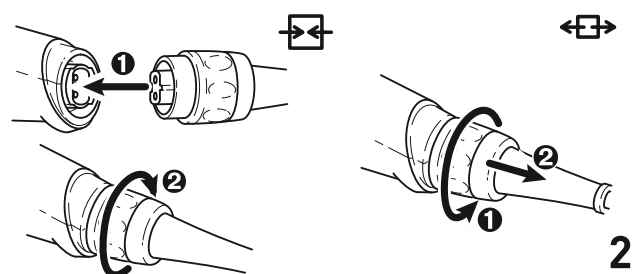
#### Risk of accident

- ▶ The mains voltage and the frequency of the power source must correspond with the specifications on the machine's name plate.
- ▶ In North America, only Festool machines with the voltage specifications 120 V/60 Hz may be used.

Connecting and detaching the mains power cable - see Fig. [2].



Before switching on the machine make sure that the bayonet fitting at the power supply cord is closed fully and locked.



#### ON/OFF button [1-1]

ON Press the ON/OFF button [1-1]

OFF Press the ON/OFF button [1-1]

- ① When the extractor signal is active, the power tool cannot be switched on without a connected extractor hose - see chapter Extractor signal.
- ① In case of a power failure or if the mains connector is removed, move the on/off switch immediately to the Off position. This prevents uncontrolled restarting.

## Settings



### WARNING

#### Risk of injury, electric shock

- ▶ Always pull the mains plug out of the socket before performing any type of work on the machine!

### Electronics

The power tool is equipped with a brushless EC-TEC motor for a long service life and power electronics with the following properties:

#### Smooth start-up

The electronically controlled smooth start-up ensures that the machine starts up jolt-free.

#### Constant speed

The preselected motor speed is kept constant through electronic control to ensure a uniform sanding speed even when under load.

#### Speed reduction in the event of high vibrations

If high vibrations and oscillations occur at the power tool, e.g. with the use of an interface pad, the speed is automatically reduced in order to protect the power tool and the user.

## Temperature cut-out

To avoid the motor overheating, the power consumption is limited at an excessive motor temperature. If the temperature continues to rise, the power tool switches off and can only be switched on again once the motor has cooled sufficiently.

## Setting and adjusting the speed

The speed can be set **[1-6]** between 6000 and 10000 min<sup>-1</sup> using the adjusting wheel.

This enables you to optimise the sanding speed to suit the material (see chapter Working with the machine).

## Extractor signal

The electronic extractor signal detects whether an extractor hose is connected at the power tool. Upon activation the power tool can only be switched on with a connected extractor hose.

### Switching the extractor signal ON/OFF

The extractor signal is supplied in a deactivated state.

▶ Switch on power tool by briefly pressing the ON/OFF button **[1-1]**.

▶ Switch off the power tool again and hold down the ON/OFF button **[1-1]**.

*Power tool beeps once.*



▶ Turn speed control **[1-2]** to both end positions (Level 1 and 6).

*Power tool beeps three times for ON and twice for OFF.*

▶ Release ON/OFF button **[1-1]**.

*Extractor signal is activated or deactivated.*

The operating mode is indicated via the LED **[1-6]**:

	<b>Permanent light:</b> Extractor hose is connected
	<b>Flashing light:</b> No extractor hose connected, power tool cannot be switched on.
	<b>No light:</b> Extractor signal is not active.

## Replacing the sanding pad [3]



An optimal work result can only be achieved using original accessories and consumables. The use of non-original accessories or consumables invalidates the right to claim under warranty.

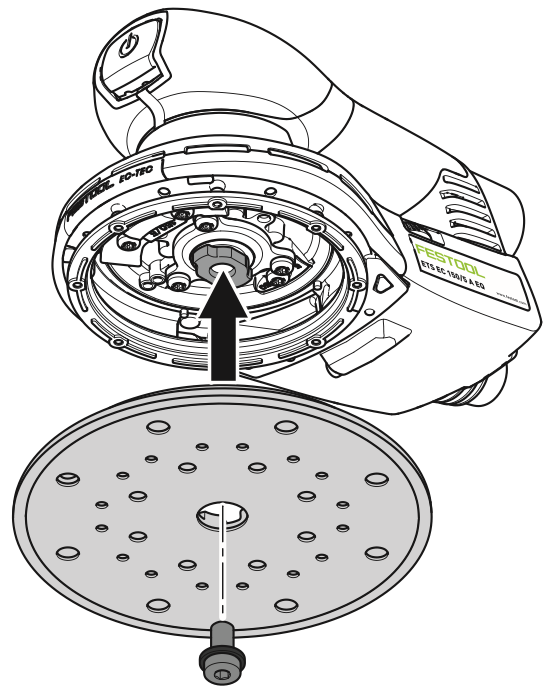


**Warning!** Do not perform any structural changes in the open interior space of the machine when the sanding pad is dismantled.



**Health risk:** Fitting sanding pads of incorrect size causes excessive vibration of the machine.

3



Tuned to the surface being processed, the machine can be equipped with three sanding pads of different hardnesses.

**Hard:** Coarse and fine sanding on surfaces. Sanding edges.

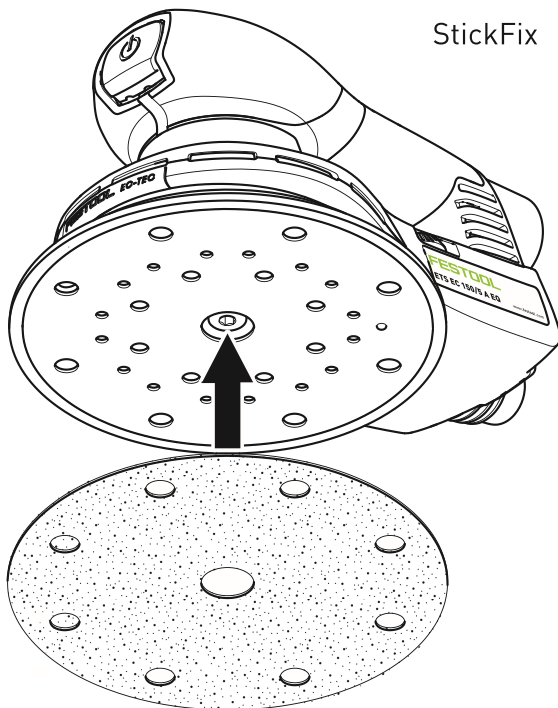
**Soft:** Universal for coarse and fine sanding, for flat and convex surfaces.

**Extra-soft:** Fine sanding of moulded parts, arches, radii. Do not use on edges.

## Attaching sanding accessories using Stick-Fix [4]

The suitable StickFix sandpaper and StickFix sanding cloth can be attached quickly and simply to the StickFix sanding pad.

4



In the case of a weakening adhesive effect of the StickFix surface, the sanding pad accessories, in particular those which are not yet touching the workpiece, **may come loose from the sanding pad and cause injuries**. Replace the sanding pad!

## Dust extraction



### WARNING

#### Dust hazard

- ▶ Dust can be hazardous to health. Always work with a dust extractor.
- ▶ Always read applicable national regulations before extracting hazardous dust.

The power tool does not have its own extractor unit. At the extractor connector [1-5], a Festool mobile dust extractor with an extraction hose diameter of 27 mm should be connected.

**Recommendation:** Use anti-static extractor hose! This helps reduce the electric charge.

## Working with the machine



### WARNING

#### Risk of injury

- ▶ Always secure the workpiece in such a manner that it cannot move while being machined.

#### Observe the following instructions:

- Do not overload the machine by pressing with excessive force! The best sanding results are achieved with moderate application pressure. The sanding capacity and quality are mainly dependent on the selection of the correct abrasive.
- Hold the machine with one hand on the handle [1-7].

For sanding we recommend the following settings for the adjusting wheel [1-2]:

#### Sanding work

#### Adjusting wheel setting

- |   |       |
|---|-------|
| - Sanding with max. abrasion                              | 5 - 6 |
| - Sanding off old paint                                   |       |
| - Sanding of wood and veneered surface prior to paintwork |       |
| - Intermediate sanding of paintwork on surfaces           |       |
| - Sanding thinly applied undercoat                        | 4 - 5 |
| - Sanding wood with nonwoven pad                          |       |
| - Edge breaking on wooden parts                           |       |
| - Smoothing primed wooden surfaces                        |       |



## Sanding work

## Adjusting wheel set- ting

- Sanding solid wood and veneered edges 3 - 4
- Sanding rebate of windows and doors
- Intermediate sanding of paintwork at edges
- Light sanding of natural wood windows using nonwoven pad
- Smoothing wooden surfaces using nonwoven pad before staining
- Rubbing or removing excess limestone residue using nonwoven pad
- Intermediate sanding of paintwork on 2 - 3 stained surfaces
- Cleaning natural wood window rebate using nonwoven pad
- Sanding stained edges 1 - 2
- Sanding of thermoplastics

## 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.



### 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.



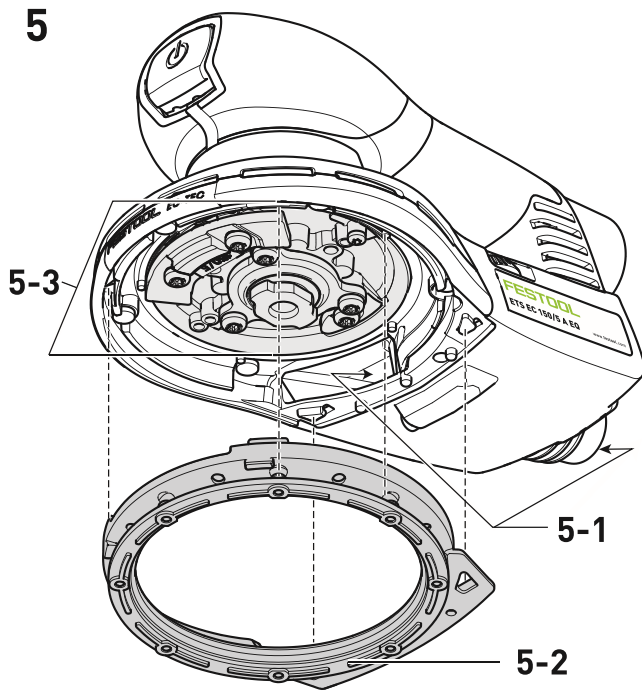
**Customer service and repair** only through manufacturer or service workshops: Please find the nearest address at: [www.festoolusa.com/service](http://www.festoolusa.com/service)



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

To ensure constant air circulation, always keep the cooling air openings in the motor housing clean and free of any obstruction.

In the event of a slowdown in performance or increased vibrations, blow and clean cooling air openings.



### Cleaning the extraction channels

We recommend cleaning the extraction channels in the machine **[5-1]** roughly once a week (particularly if sanding synthetic resin, in the case of wet sanding and if sanding plaster) using a small flat brush or a cloth.

### Cleaning the inside of the power tool

Regularly clean the inside of the power tool at the bottom of the fan, **[5-3]** otherwise the vibration values worsen as a result of the dust accumulation.

### Replace sanding pad and sanding pad brake

The rubber sleeve **[5-2]** brushes off the sanding pad and prevents uncontrolled turning of the sand-

ing pad. The sanding pad brake is almost wear-free thanks to the pins used.

In the case of a decreasing braking effect, first check the sanding pad for wear and replace it if necessary. Replace damaged sanding pad brake/ rubber sleeve.

---

## Accessories

---

Use only original Festool accessories and Festool consumable material intended for this machine. These components are designed specifically for this machine. Using accessories and consumable material from other suppliers will most likely affect the quality of your results and limit warranty claims. Machine wear or your own personal workload may increase depending on the application. Protect yourself and your machine, and preserve your warranty claims by always using original Festool accessories and Festool consumable material!

Only use original Festool sanding and polishing pads. Low-quality sanding and polishing pads may cause serious machine imbalance that decreases the quality of the working results and increases machine wear.

The order numbers of the accessories and tools can be found in the Festool catalogue or on the Internet under "[www.festoolusa.com](http://www.festoolusa.com)".

---

## 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.



Festool GmbH  
Wertstraße 20  
D-73240 Wendlingen  
Tel.: +49 (0)7024/804-0  
Telefax: +49 (0)7024/804-20608  
www.festool.com

DISTRIBUTED BY:  
Pro Wood Finishes  
14622 Southlawn Lane  
Rockville MD 20850  
Ph: (301) 424-3033

# FESTOOL

## Instruction manual

Page 6

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

Guide d'utilisation

Page 18

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

Manual de instrucciones

Página 30

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

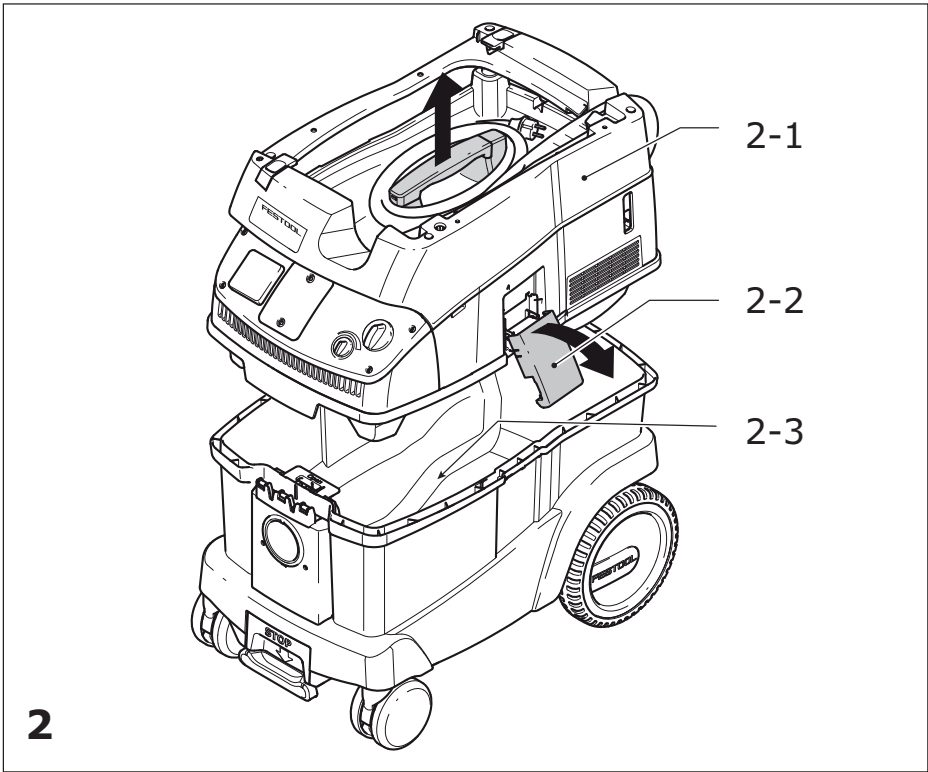
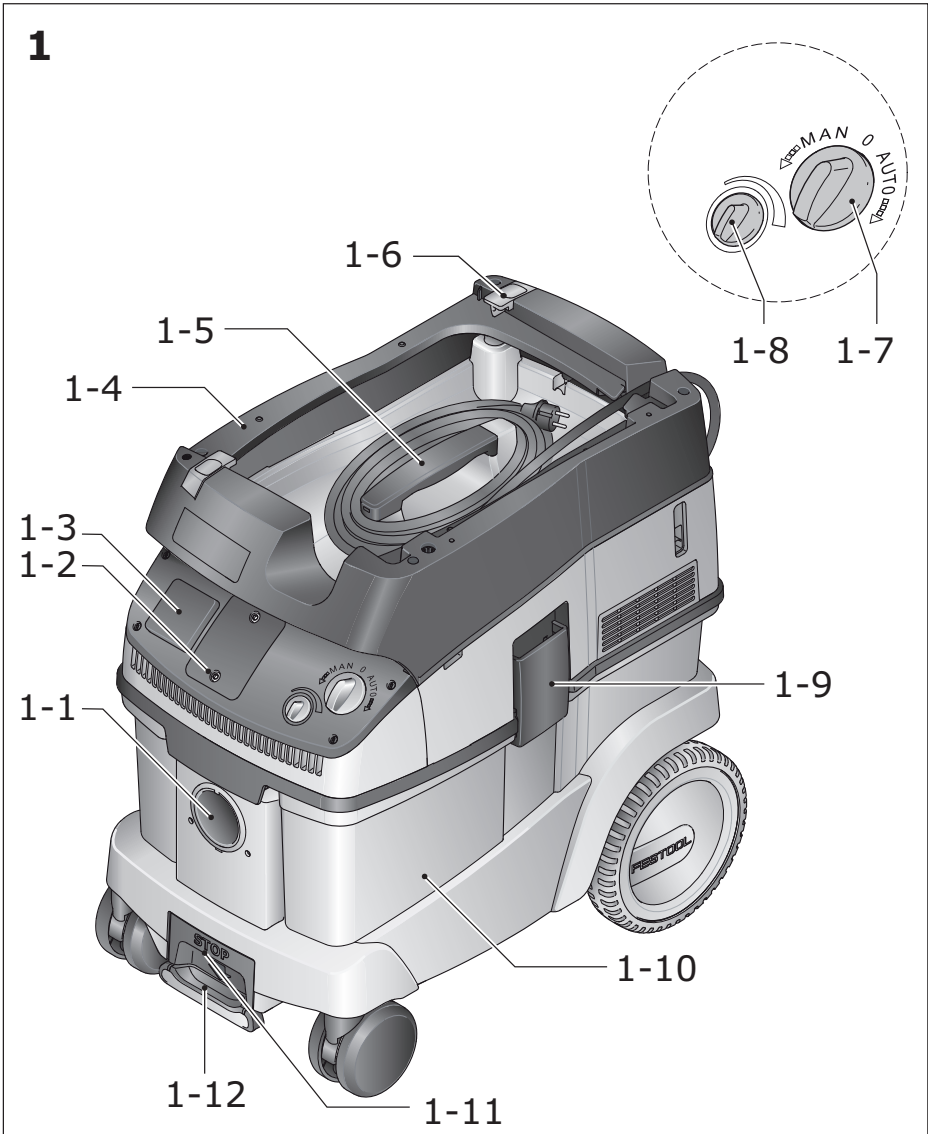
Instruction manual  
Guide d'utilisation  
Manual de instrucciones

**CT 26 E HEPA**  
**CT 36 E HEPA**  
**CT 48 E HEPA**



702632\_009












## Contents

Symbols .....	6
About this manual.....	6
Safety instructions.....	7
Technical data.....	9
Functional description.....	10
Intended use .....	10
Operation .....	10
Settings.....	12
Working.....	12
Filter.....	13
After finishing work .....	15
Service and maintenance .....	16
Accessories.....	16
Disposal .....	17

## Symbols




Sym- bol	Significance
	Warning of general danger
	Risk of electric shock
	Read operating instructions and safety notices!



Sym- bol	Significance
	Wear a dust mask.
	Tip or advice
	Handling instruction
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

## About this manual

### 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 injures 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.




# 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.
- Use indoors only.
- 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, hot chips or particles, sparks.
- 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 a appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

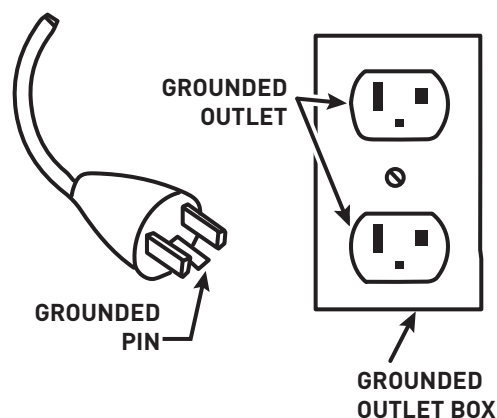
 **WARNING** - Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the dust extractor - if it will not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

### Polarization Instructions

To reduce the risk of electric shock, this vacuum cleaner has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

### 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.



### 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.**

## Technical data

### Dust extractor CT 26 E, CT 36 E, CT 48 E

Power consumption (dust extractor only)		2.9 - 8.3 A (350 - 1000 W) <sup>1.)</sup>
Total connected load	max.	12 A (1440 W)
Max. rating of connected Power Tool		3.7 A <sup>2.)</sup>
Volume flow (air), turbine	max.	234 m <sup>3</sup> /h (8264 cu.ft./h)
Vacuum, turbine	max.	24000 Pa
Filter surface		6318 cm <sup>2</sup> (979.3 sq.in.)
Suction hose (diameter x length)		27 mm x 3.5 m (1-1/16" x 11.5')
Protection type		IP X4
Sound pressure level as per IEC 60704-2-1		71 dB(A)
Container capacity	CT 26 E	26 l (6.9 gal.)
	CT 36 E	36 l (9.5 gal.)
	CT 48 E	48 l (12.7 gal.)
Dimensions L x W x H	CT 26 E	630 x 365 x 540 mm (24.8" x 14.4" x 21.3")
	CT 36 E	630 x 365 x 596 mm (24.8" x 14.4" x 23.5")
	CT 48 E	715 x 392 x 680 mm (28.1" x 15.4" x 26.8")
Weight	CT 26 E	13 kg (28.7 lbs)
	CT 36 E	14.4 kg (31.8 lbs)
	CT 48 E	16.3 kg (35.9 lbs)

<sup>1.)</sup> 8.3 A (1000 W) is the medium value for different operation conditions, a maximum power consumption of 10 A (1200 W) is possible.

<sup>2.)</sup> When the suction power adjuster [1-7] is adjusted to the lowest suction power (see page 12, chapter Settings - Adjusting the suction power) the maximal rating of a connected power tool can be 9.1 Amps.

---

## 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.

Accessories shown or described are sometimes not included in the scope of delivery.

- [1-1]** Intake opening
- [1-2]** Module slot
- [1-3]** Appliance socket

- [1-4]** Hose store
- [1-5]** Handle
- [1-6]** SysDoc
- [1-7]** Suction power adjuster
- [1-8]** Switch
- [1-9]** Locking clip
- [1-10]** Dust container
- [1-12]** Brake

---

## Intended use

---

The dust extractor is designed for use as specified for the aspiration and evacuation of non-noxious dusts, dirt, sand, shavings etc..

The dust extractor is designed as specified for vacuuming water.

The dust extractor is designed for household, commercial or both use.

The dust extractor is designed for outdoor use and indoor storage.

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

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

All CT extractors fitted with the HEPA filter element have HEPA certification both for the filter material and the whole dust extractor.



### WARNING

**The user will be liable for damage due to improper use.**

---

## Operation

---



### WARNING

#### Unauthorised voltage or frequency!

#### Risk of accident

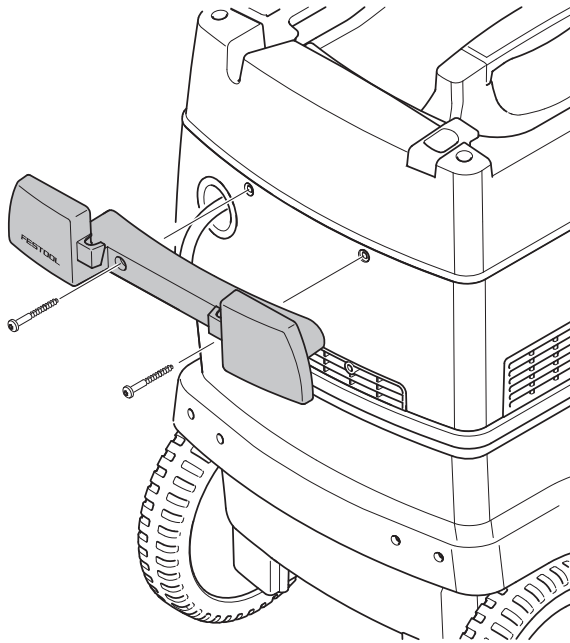
- ▶ The mains voltage and the frequency of the power source must correspond with the specifications on the machine's name plate.
- ▶ In North America, only Festool machines with the voltage specifications 120 V/60 Hz may be used.

Consider the pictures on the fold-out page.

### Initial operation

- ▶ Open the locking clips **[2-2]** and remove the top section of the machine **[2-1]**.
- ▶ Remove the accessories from the dust container **[2-3]** and the packaging!
- ▶ Insert a filter bag in the dust container (see chapter "Changing the filter bag").
- ▶ Attach the cable holder to the rear of the mobile dust extractor (see Fig. **[3]**).

3



- ▶ Replace the top section [2-1] and close the locking clips [2-2].
- ▶ Connect the suction hose to the machine.

### Switch on/off

- ▶ Insert the plug into an earthed socket.



### CAUTION

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

- ▶ Before setting the switch to the "AUTO" or "MAN" position, make sure that the connected tool is switched off.

The switch [1-8] serves as an On/Off switch. It has three positions:

#### Switch position "0"

Appliance socket [1-3] is disconnected from the power, mobile dust extractor is switched off.

#### "MAN" switch position

Appliance socket [1-3] is disconnected from the power, the mobile dust extractor starts.

#### "Auto" switch position

Appliance socket [1-3] is connected to the power, the mobile dust extractor starts when the connected tool is switched on.

### Extension Cord

If an extension cord is required, it must have sufficient 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)	14	12	not recommended	

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.

### 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.



---

## Settings

---

Consider the pictures on the fold-out page.

### 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.
- 
- ▶ Connect the electric power tool to the appliance socket [1-3].

### Connecting pneumatic tools



#### WARNING

##### Risk of injury

- ▶ Make sure that the pneumatic tool is switched off before connecting or disconnecting.

If the compressed air module [1-2] (496141) is installed, the automatic switch-on function of the mobile dust extractor also works in combination with pneumatic tools.

We also recommend installing the VE service unit

(495886). The service unit filters and lubricates the compressed air and enables an adjustment of the air pressure. An IAS adapter (454757) is available to connect Festool pneumatic tools to the IAS system. The operating pressure of the tool must be 6 bar for the automatic switch-on unit to function correctly.

### Temperature cut-out

To prevent overheating, a temperature cut-out switches the mobile dust extractor off when it reaches a critical temperature.

- ▶ Switch off the mobile dust extractor and allow to cool for about 5 minutes.
- ① If the mobile dust extractor will not switch on again, please contact a Festool service workshop.

### Adjusting the suction power

You can use the suction power adjuster [1-7] to adapt the machine suction power to different applications.

### Applying the brake

Folding out the brake lever [1-12] prevents the mobile dust extractor from rolling. To achieve this, lift the front end of the mobile dust extractor slightly and push the brake lever downwards until it latches into place. Push the lever [1-11] again to release.

---

## Working

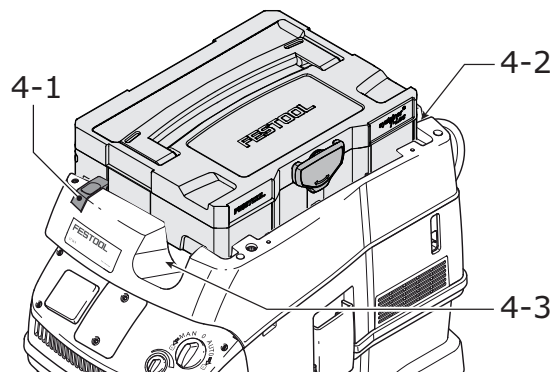
---

### Handling

**Hose store:** after finishing work, you can feed the suction hose through the recess [4-3] and place it in the hose store. You can do the same with the mains cable through the other recess [4-2].

**SysDoc Systainer attachment system:** a Systainer can be attached to the storage area via the two slides [4-1].

4



## Extracting dry materials



### 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.

**Remember:** A damp main filter will clog more quickly when dry materials are extracted. Therefore, dry the main filter before extracting dust or replace the damp filter with a dry one.

## Extracting fluids



### WARNING

#### Risk of injury

- ▶ Do not evacuate combustible liquids!

- ① The main filter shall only be used for extracting dry materials.

Before extracting fluids, remove the filter bag (see chapter "Changing the filter bag"). We recommend using a special wet filter.

The dust extractor stops automatically when the maximum level is reached.



### CAUTION

#### Escaping foam and fluids

- ▶ Switch off the machine immediately and empty the dust container.

## Filter



### WARNING

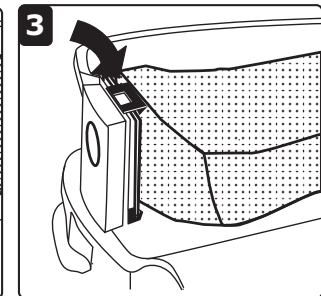
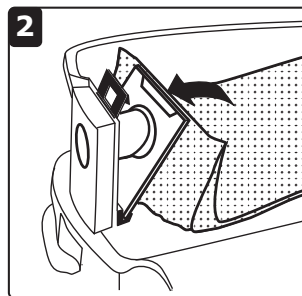
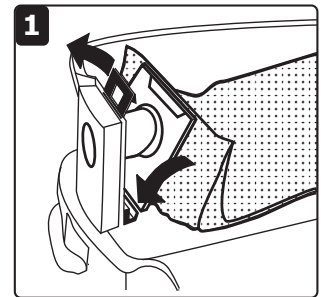
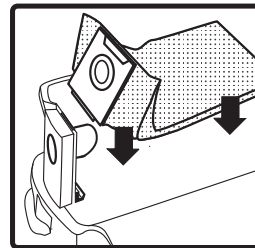
#### Risk of injury

- ▶ During the following procedure, take care not to raise dust more than is unavoidable. Moisten the main filter with a water spray before removing it.

## Changing the filter bag

### Inserting the filter bag

- ▶ Open the locking clips [2-2] and remove the top section of the machine [2-1].
- ▶ Insert a new filter bag (SC-FIS-CT 26/36/48) (Fig. [5]) in the inlet port of the dust container and interlock it. **Important:** be aware that the locking engages.
- ① Make sure that the filter bag is not pinched between the top and bottom sections.
- ▶ Replace the top section [2-1] and close the locking clips [2-2].



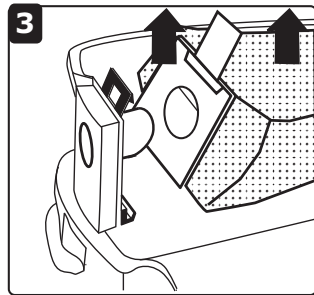
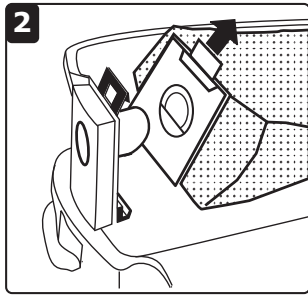
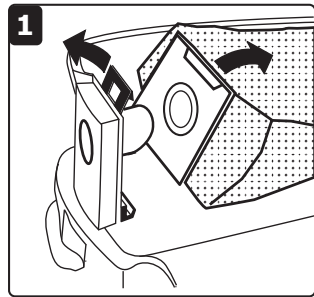
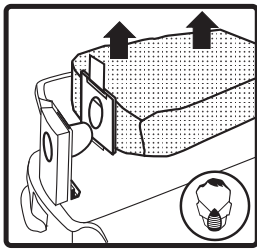
**5**

SC-FIS-CT 26/36/48

### Removing the filter bag

- ▶ Open the locking clips [2-2] and remove the top section of the machine [2-1].
- ▶ Remove the filter bag (Fig. [6]).
- ▶ Dispose of the used bag in accordance with statutory regulations.
- ▶ Clean the dust container [2-3].
- ▶ Insert a new filter bag if necessary (see Insert-

ing the filter bag).



6

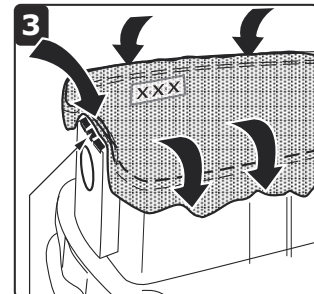
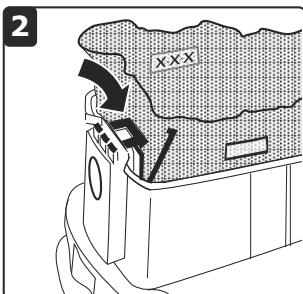
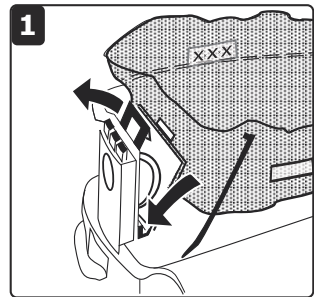
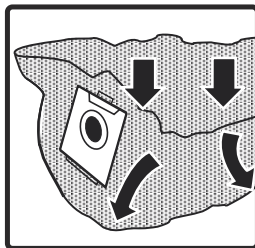
- ▶ Replace the top section [2-1] and close the locking clips [2-2].

### Changing the disposal bag

#### Inserting the disposal bag [7]

- ▶ Open the locking clips [2-2] and remove the top section of the machine [2-1].

ENS-CT 26/36/48



7

7-1

- ▶ Insert a new disposal bag (ENS-CT26/36/48) on the inlet nozzle of the container and lock in position.

**Important:** The lateral openings on the disposal bag must be positioned inside the container.

Make sure that the bolt engages.

- ▶ Place the disposal bag over the edge of the container.

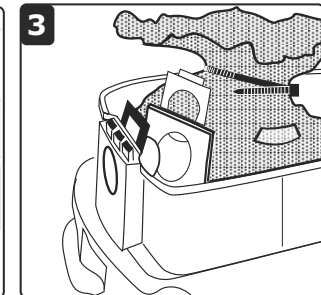
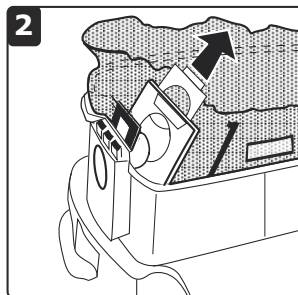
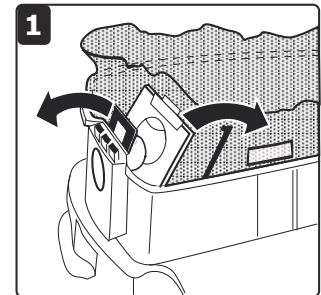
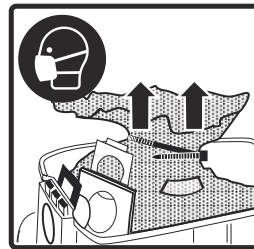


Make sure that the contacts [7-1] are free.

- ▶ Replace the top section [2-1] and close the locking clips [2-2].

#### Removing the disposal bag [8]

- ▶ Open the locking clips [2-2] and remove the top section of the machine [2-1].



8

- ▶ Close the disposal bag.
- ▶ Remove the disposal bag.
- ▶ Dispose of the used disposal bag in accordance with statutory regulations.
- ▶ Clean the dust container [2-3].
- ▶ Replace the top section [2-1] and close the locking clips [2-2].

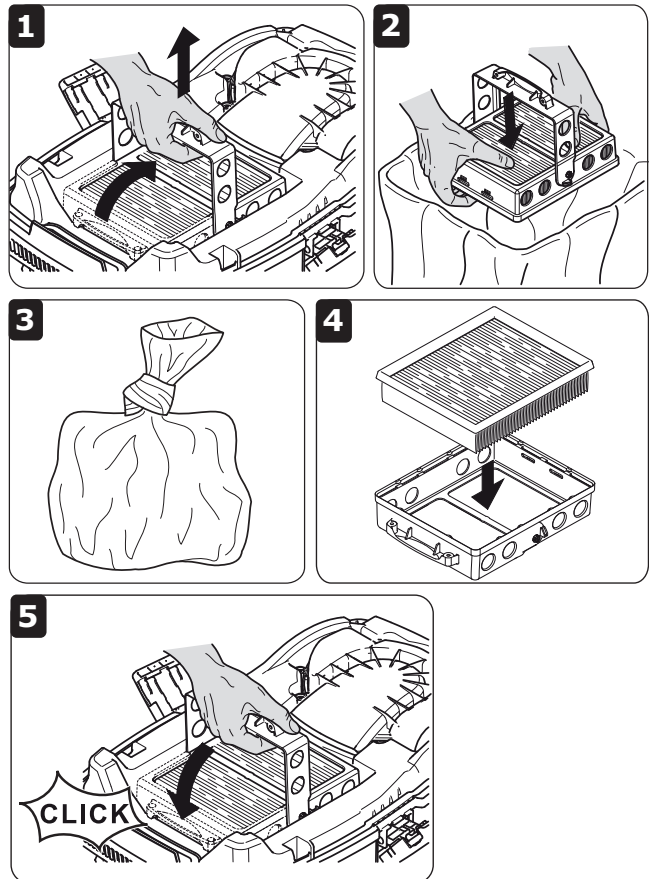
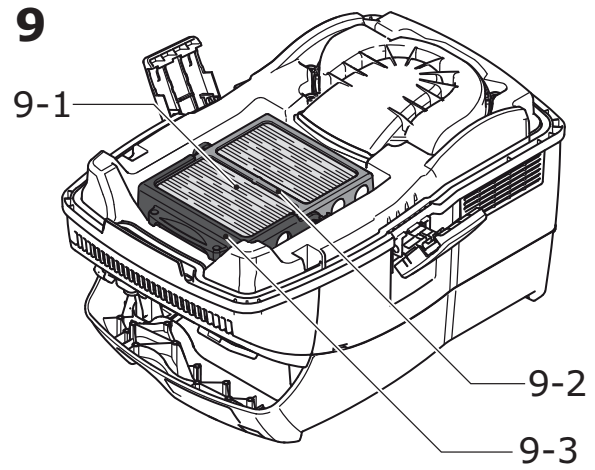
### Changing the main filter

#### NOTE

#### Motor damage

- ▶ Never operate the extractor without a main filter fitted as the motor may become damaged.
- ▶ Open the locking clips [2-2] and remove the top section of the machine [2-1].
- ▶ Turn the top section of the machine so that the main filter is facing upwards (Fig.[9]).

- ▶ Fold over the lever **[9-3]** and remove the retainer **[9-2]**.
- ▶ Remove the used main filter **[9-1]** and replace with a new one.
- ▶ Dispose of the used main filter in accordance with statutory regulations.
- ▶ Insert the retainer **[9-2]** and fold over the lever **[9-3]** until it engages.
- ▶ Replace the top section **[2-1]** and close the locking clips **[2-2]**.




---

### After finishing work

---

- ▶ Switch off the mobile dust extractor and disconnect the plug.
- ▶ Wind up the mains power cable.
- ▶ Empty the dust container.



## CAUTION

### Hazardous dust

#### Damage to the respiratory passage

- ▶ Wipe down the mobile dust extractor and clean all accessories thoroughly using the extractor (inside and out) before removing from the working area.
- ▶ Parts that you were not able to clean thoroughly must be sealed in an airtight plastic bag prior to transportation.
- ▶ Wear a dust mask!

- ▶ Place the mobile dust extractor in a dry room inaccessible to unauthorised users.

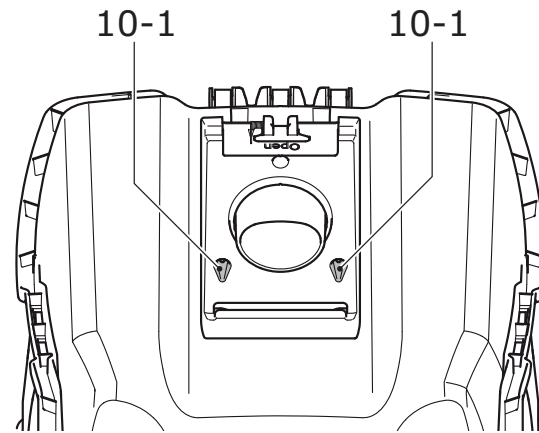
### Emptying the dust container

The dust container [2-3] can be emptied once the

top section has been removed.

- ▶ After extracting fluids, clean the fill level sensors [10-1] regularly with a soft cloth and inspect for damage.

**10**



## 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 leads or other components, which in turn can lead to accidents with serious consequences.



## WARNING

**To prevent accidents, always remove the plug from the power supply socket before carrying out any maintenance or repair 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.

A dust test must be performed at least once a year by the manufacturer or an instructed person. This test may include checks to determine whether the filter is damaged, the machine is sealed properly and the monitoring features are functioning correctly.

During maintenance and repair work, all components that cannot be cleaned satisfactorily must be replaced. The old components must be sealed in impermeable plastic bags prior to disposal in compliance with applicable regulations for this type of waste.



**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)

## Accessories

Use only original Festool accessories and Festool consumable material intended for this machine because these components are designed specifically for the machine. Using accessories and consumable material from other suppliers will most likely

affect the quality of your working results and limit any warranty claims. Machine wear or your own personal workload may increase depending on the application. Protect yourself and your machine, and preserve your warranty claims by always using

original Festool accessories and Festool consumable material!

in the Festool catalog or on the Internet under [www.festoolusa.com](http://www.festoolusa.com).

The accessory and tool order number can be found

---

## Disposal

---

**Do not throw the tool in your household waste!**  
Dispose of machines, accessories and packaging at

an environmentally responsible recycling centre.  
Observe the valid national regulations.