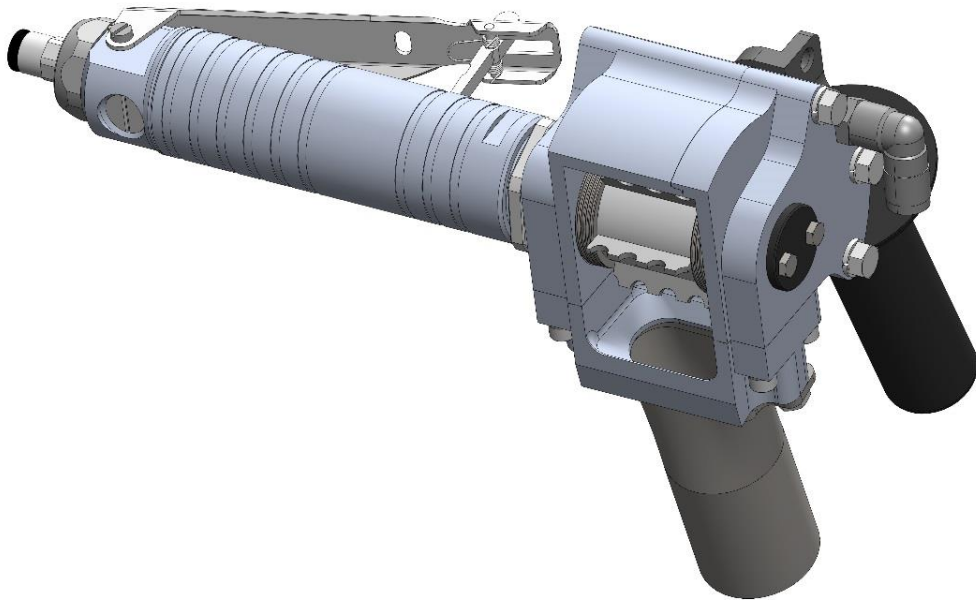


EFA CleanTec (CT)



V10.2024

Translation of the original operating instructions

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Any changes or amendments to these operating instructions are only allowed to be made by us; otherwise any warranty claim against us will be void.

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1. Introduction and general information

Important!

Operating instructions cannot prevent misuse in every case!

1.1 Information on the operating instructions

These operating instructions are part of the technical documentation of the machine and comply with the Machinery Directive.

The machine has been designed and built according to the careful selection of the harmonising standards to be observed as well as other technical specifications.

The operating instructions are intended to describe the operation and handling of the EFA CT for removing animal hairs and contamination and provide the necessary safety instructions.

They contain details for the intended use as well as important information:

- for safe handling of the machine,
- for maintenance,
- for cleaning.

If the instructions are followed, the EFA CT will be operated safely, properly and economically and its operational capability will be maintained.

Observance of these instructions helps to avoid dangers, minimise repair costs and downtimes, and increase the reliability and service life of the machine.

A prerequisite for safe handling and trouble-free operation of the machine is observance of the following:

- the operating instructions,
- the company directives (safety signs and danger warnings),
- the legal provisions on occupational safety,
- the applicable laws and regulations.

These operating instructions must always be kept accessible at the machine for all work to be carried out.

Note!

If your operating instructions are damaged or lost, you can request a new copy by stating the machine designation, part number, serial number and year of production, see *section 3.3 – Nameplate*.

If you have any questions, or if you cannot solve a problem with the help of these operating instructions, please contact our Service department.

1.2 User group

Only instructed and/or trained personnel over 16 years of age are allowed to set up or operate the EFA CT. Furthermore, it is imperative that everyone working with and on the machine has read the operating instructions and observes them.

The operation of the EFA CT by persons who are under the influence of alcohol, medication, or drugs is strictly prohibited.

Instructed person

Persons over 16 years of age who have been instructed and trained by a qualified person (specialist) in the tasks assigned to them and about possible dangers in the event of improper behaviour, as well as in the handling of the necessary protective devices and protective measures, are considered to be instructed persons.

Trained person (specialist personnel)

Persons who have obtained a professional qualification and have demonstrated this by checking the results or passing an examination are considered to be trained persons.

1.3 Scope of supply

Upon receipt of the delivery, check immediately whether the scope of supply corresponds to the accompanying documents.

Submit a complaint in the event of:

- apparent transport damage immediately to the supplier,
- apparent defects/missing items, to **Schmid & Wezel GmbH**.

These operating instructions describe the **EFA CT**.

1.4 Intended use

The EFA CT is suitable for use in slaughterhouses and is used to remove contamination (after killing and bleeding out) in the area of the breast, abdomen, and the inside and outside of the legs of cattle and calves. Do not use the EFA CT on **frozen food**.

The machine is not equipped for a different type of use. Should the user desire to use the equipment for a different purpose than intended, please contact **Schmid & Wezel GmbH (S&W)**.

For all other types of use, the user must be advised of the inherent accident hazard and increased wear. **In the event of non-compliance, the liability shall be borne by the user alone.**

The EFA CT is only allowed to be used:

- in fully functional condition,
- with properly functioning safety devices,
- with the equipment approved by the manufacturer.

Do not use materials harmful to health.

If, contrary to the intended use, materials harmful to health are to be processed then **Schmid & Wezel GmbH** must be informed in writing about the planned use and the protective measures taken by the customer/operating company.

The customer/operating company is solely responsible for suitable protective measures (e.g. extraction devices, respiratory protection, protective suits, etc.) and company directives.

If the EFA CT is not used as intended or is modified without the approval of **Schmid & Wezel GmbH**, persons could be injured and the machine damaged.

The operating permit is invalidated.

The intended use includes in particular that you:

- Observe the operating instructions and company directives,
- Observe maintenance instructions and intervals,
- Immediately rectify any faults that impair safety,
- Do not operate the EFA CT if safe working is not possible,
- Do not structurally modify the EFA CT without authorisation.

1.5 Claims for defects, liability, warranty

Warranty and liability claims for personal injury and damage to property are excluded in particular in the following cases:

- Improper use or unsuitable use,
- Improper transport or storage,
- Improper assembly and/or initial start-up,
- Improper operation (operating errors),
- Disregarding of operating instructions/company directives,
- Faulty or negligent handling,
- Improper maintenance/repair,
- Unsuitable equipment or spare parts that are not approved by **Schmid & Wezel GmbH** Maschinenfabrik,
- Natural wear and tear,
- Improper or unprofessional rectification of defects by the customer/operating company or third parties,
- Unauthorised structural changes to the machine without written permission from **Schmid & Wezel GmbH**,
- Chemical, electrochemical or electrical influences – unless they are the responsibility of **Schmid & Wezel GmbH**.

Liability

The manufacturer accepts no liability for accidents, machine damage and consequences of machine failure resulting from failure to observe the operating instructions. In addition, the local accident prevention regulations and general safety regulations for the area of application of the machine apply.

Limitation of liability

All technical information, data and instructions for the operation of the machine contained in the operating instructions are up to date at the time of delivery. They are provided to the best of the manufacturer's knowledge, taking into account previous experience and knowledge. The manufacturer reserves the right to make technical modifications in the course of further development of the machine described in these operating instructions. No claims can therefore be derived from the information, figures and descriptions in these operating instructions. The manufacturer shall be liable for any errors or omissions within the scope of the warranty obligations entered into in the contract, to the exclusion of further claims.

Claims for damages are excluded, irrespective of the legal basis on which such claims are derived. Only the text of the **original operating instructions** is authoritative.

The textual and graphical representation in the operating instructions does not necessarily correspond to the scope of supply or a spare parts order. Illustrations in these instructions are not to scale.

Technical changes

The manufacturer **Schmid & Wezel GmbH** reserves the right to make technical changes within the scope of improving the usage properties and further development without prior notice. Figures are for basic understanding and could differ from the actual design of the system.

Copyright

The manufacturer reserves the copyright to these operating instructions. These operating instructions are intended for assembly, operating, maintenance and monitoring personnel.

Transferring the operating instructions to third parties without the written consent of the manufacturer **Schmid & Wezel GmbH** is not permitted. Duplication in any kind and form – in whole or in part – as well as the use and/or communication of the contents are not permitted without written declaration of the manufacturer.

Note!



All content, texts, drawings, pictures and other representations are protected by copyright and are subject to industrial property rights.
Any improper use may be punishable!

2. Safety

Everyone who is involved in the installation, start-up, operation, set-up, equipping and maintenance of the machine in the operating company must have read and understood the operating instructions, in particular the "Safety" section.

Safe operation of the machine is only guaranteed if:

- Unauthorised persons are kept away from the working area of the machine,
- Safe working with awareness of the dangers involved is regularly checked in accordance with the operating instructions,
- No working methods are employed that could compromise safety,
- Malfunctions in the machine are eliminated immediately,
- Maintenance work is carried out regularly.

Important!



The operating instructions must be accessible at all times during the entire period of use of the machine for the operating, maintenance and cleaning personnel.
Therefore, always keep these operating instructions close to the machine.

First aid

Important!



In the event of an accident, provide **FIRST AID**.






- Keep calm!
- Remove injured persons from the danger area without endangering yourself!
- Inform other employees (first-aiders, paramedics) or request help!

2.1 Safety instructions



During the use of the machine, dangers could arise in certain situations or through certain behaviour.

The measures described to protect against dangers must be observed.

The safety instructions are identified as shown in the following table (pictograms).





| Symbol / pictogram | Signal word | Damage / injury to . . . | Definition | Possible consequences of disregarding the safety instructions |
|---|--------------------|--------------------------|---|--|
|  | Danger | Persons | Imminent danger | Death, serious bodily injury or substantial damage to property |
|  | Warning | Persons | Potentially dangerous situation | Death or serious bodily injury could occur |
|  | Caution | Persons | Less dangerous situation | Slight or minor injuries |
|  | Attention | Property | Potentially harmful situation | Damage to the product or its environment |
|  | Information | - | Application tips and other important / useful information and notes | No dangerous / harmful situation |

2.1.1. Other safety signs








| Symbol | Meaning |
|---|---|
|  | Mark of conformity The machine complies with the applicable regulations of the EC Machinery Directive |
|  | Recyclable materials! Ensure that the materials are recycled properly! |

2.1.2. Warning signs


Warnings and symbols used in the operating instructions and documentation are intended to help you to recognise and assess the dangers more easily.

| Symbol | Meaning |
|---|---|
|  | Warning: Sharp cutting tool! Contact with the running cutting tool will lead to extremely severe cutting injuries involving permanent or even fatal injury. Ensure that a sufficient safety distance is maintained. Contact with the stationary cutting tool could lead to severe cutting injuries involving permanent injury. Wear safety gloves. Ensure that a safety distance is maintained. |
|  | Warning: Hand injuries There is a danger of hands being pinched, pulled in or otherwise injured. Keep your hands away from places that bear this warning sign! |
|  | Warning: Noise with high sound pressure level If the sound pressure level at the workplace is above 85 dB(A). Remaining for a relatively long period can cause permanent hearing damage. Only enter the area if wearing the correct hearing protection. |
|  | Warning of hot surface! It is not always possible to notice the presence of hot machine parts, containers or materials, as well as hot liquids. If such a safety sign is affixed to a component, care must be taken. Do not touch hot surfaces without protective gloves. |

2.1.3. Mandatory instruction signs

| Symbol | Meaning |
|---|--|
|  | General mandatory instruction sign! Observe company directives, notes in operating instructions and generally applicable safety regulations. |
|  | Wear cut-resistant gloves! Cutting injuries possible. Provide information about suitable cut-resistant gloves. |
|  | Use safety shoes Safety shoes form part of the personal protective equipment and provide protection for the health of the worker. They prevent accidents and injuries such as crushing by heavy objects. |
|  | Wear a protective helmet! Head injuries are possible due to objects falling, tipping over or being thrown out, or due to swinging loads; bumping into obstacles also represents a danger. A suitable protective helmet must always be worn on the head when in the indicated area. |
|  | Wear protective goggles! Eye injuries (loss of vision) possible when working due to flying solid objects. |
|  | Wear hearing protection! If the continuous sound pressure level of the machine/system is above 85 dB(A), hearing protection must be worn to prevent permanent hearing damage. |
|  | Wear protective clothing! Protection against contact with auxiliary or working equipment. Find out about suitable protective clothing. |

2.1.4. Prohibition sign

| Symbol | Meaning |
|---|--|
|  | <p>General prohibition sign! The red signal border/prohibition stripe indicates an immediate danger and is overlaid diagonally over the self-explanatory symbol. The general prohibition sign must always be used in conjunction with another sign.</p> |

2.2 Personal protective equipment in the following lifecycle phases

Some work requires protective equipment. This protective equipment must be made available to you.

| Lifecycle phase | Protective equipment |
|---|---|
| Transport | <ul style="list-style-type: none"> ▪ Protective gloves ▪ Safety shoes |
| Assembly, start-up & maintenance | <ul style="list-style-type: none"> ▪ Protective gloves ▪ Safety shoes ▪ Protective goggles ▪ Hairnet for long hair |
| Operation | <ul style="list-style-type: none"> ▪ Hairnet for long hair ▪ Cut-resistant gloves ▪ Protective goggles ▪ Hearing protection ▪ Safety shoes |
| Storage | <ul style="list-style-type: none"> ▪ Protective gloves ▪ Safety shoes |
| Disposal | <ul style="list-style-type: none"> ▪ Protective gloves ▪ Safety shoes |

2.3 Conduct at the workplace

The workplaces must be designed in such a way that each employee has at least 1.5 m² of freedom of movement.

The floor must minimise the danger of slipping on wet, greasy or dirty surfaces.

The workplace must comply with local hygiene and workplace regulations.

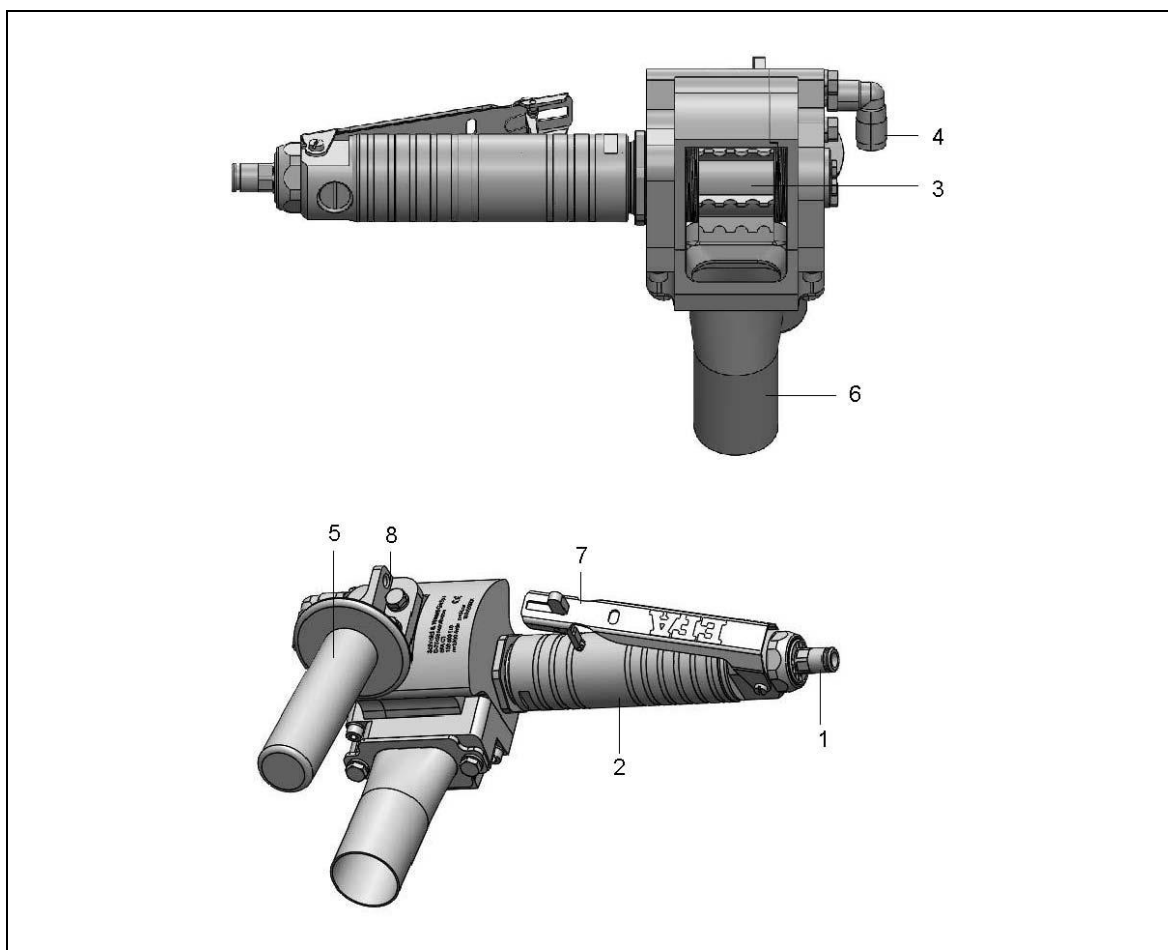
- Keep your workplace tidy and in good working condition. A cluttered or messy workplace can lead to accidents.
- Take environmental influences into account. Ensure proper lighting (at least 500 lux).
- Keep other persons away from your workplace. Focus on the job in hand when working.
- Do not use the EFA CT when you are tired and/or unfocused.
- Avoid wearing loosely fitting items of clothing and jewellery that can be caught by moving parts. Wear sturdy shoes during your work. Always wear a hairnet!
- Ensure that your workplace has a correct, ergonomic set-up and make sure that you are standing securely.
- Store the EFA CT safely. Place the CT in a protected place with the serrated rails pointing downwards and secure it against unintentional restarting.
- Look after your equipment with care. Use only undamaged serrated rails for safe work.
- Only use genuine EFA accessories/spare parts.
Non-compliance will void the warranty.
The use of other equipment, accessories or spare parts can endanger you and other persons.

3. Technical description

Tab. 3.1 – Technical data

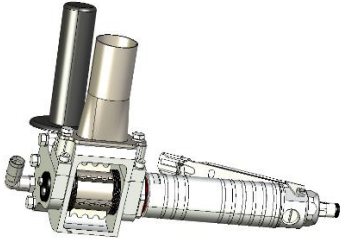

| Type | Name | | | | | | | | | |
|---------------------|--------------------|------------------------------|-------|-------------------|------------------|-----|----------------------|-------------------|---------------------------|--------|
| | Operating pressure | Air consumption at full load | Power | Roller speed | Vibrations | | Sound pressure level | Sound power level | Peak sound pressure level | Weight |
| | bar | l/min | watt | min ⁻¹ | m/s ² | | dB(A) | dB(A) | dB(C) | kg |
| EFA CT 100600110 | 6 | 460 | 244 | 2900 | $a_{hd} = < 2.5$ | K = | $L_{pA} =$ | $L_{WA} =$ | $L_{pCpeak} =$ | 2.24 |
| | | | | | | | $K_{pA} =$ | $K_{WA} =$ | $K_{pCpeak} =$ | |

3.1 Machine overview



| No. | Part description |
|-----|---|
| 1 | Pneumatic connection (hose unit) |
| 2 | Handle sleeve |
| 3 | Serrated rail carrier with serrated rails |
| 4 | Water connection (serrated rail cleaning) |
| 5 | Handle |
| 6 | Suction connection |
| 7 | Lever |
| 8 | Handle base |

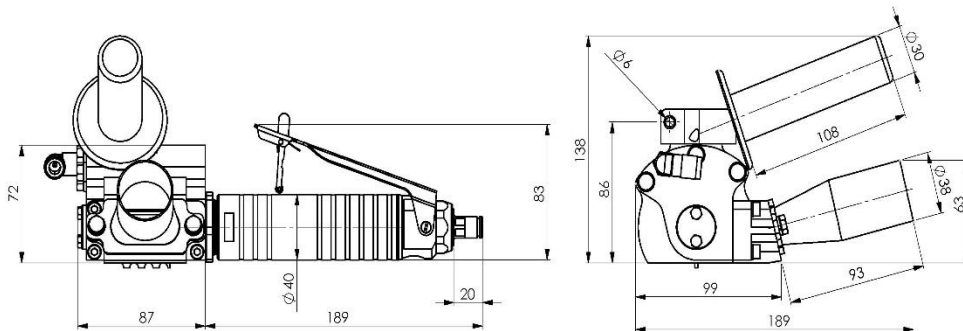
Tab. 3.2 – Scope of application of the EFA CT

| | Usage | Application |
|---|---|--|
|  |  | <p>The EFA CT is suitable for removing contamination (after killing and bleeding out) in the area of the breast, abdomen, and the inside and outside of the legs of cattle and calves.</p> |

3.2 Dimensions

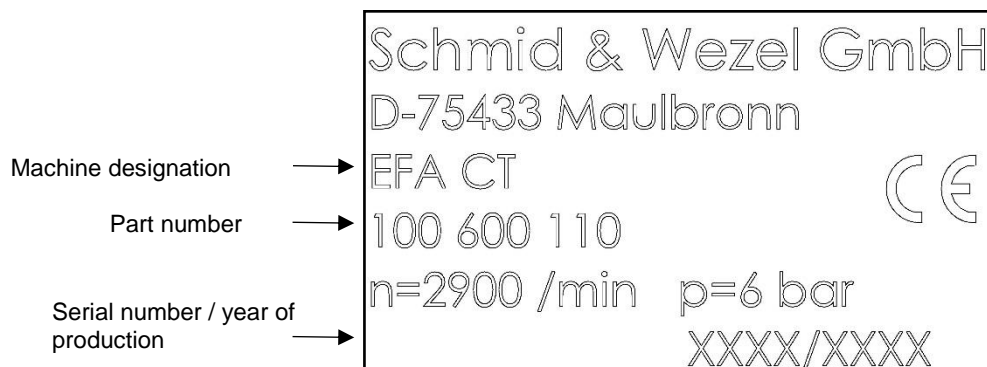
The following figures give you an overview of the dimensions of the machine.

EFA CT – part no. 100600110



3.3 Machine marking

The nameplate is attached to the housing and contains information on the machine. The following figure shows an example of the nameplate for EFA machines.



4. Transport and storage

The machine has been tested and carefully checked in our factory before shipment.

The test ensures that the machine is working properly.

Despite all care taken, there is a possibility that the machine could be damaged during transport. Therefore, check the machine for possible transport damage when unpacking it.

Warning!



Safety instruction!

Do not remove the cutting edge guard (if installed) until just before start-up.

Unpacking the machine

The machine is ready for use immediately after unpacking.

- Remove all packaging materials and dispose of them in a professional and environmentally friendly manner.
- Check the machine for possible transport damage.
- Information on disposal and recycling can be found in *section 9*.

Storage of the machine

For safe storage of the machine, it is essential to observe the following instructions:

- Only store the machine in dry rooms.
- Only store the machine in a dry condition.
- Protect the machine from corrosion.

5. Connection and start-up

Caution!



Danger from unintentional switch-on!

Only connect the EFA CT to the compressed air supply when it is switched off!

Caution!



Tripping hazard!

Lay compressed air lines outside the traffic area.

Lines that run along the floor can be a tripping hazard for the operator!

Caution!



Danger of malfunctions and injuries!

Installation work is only allowed to be carried out by authorised specialist personnel

Route the connecting lines of the EFA CT away upwards, see *section 5.1.2*.

The working area for the operator should be at least 1.5 square meters in size.

No other workplace is allowed to protrude into this area, otherwise there is an injury hazard due to the actions carried out with the EFA CT.

The lighting of the workplace must be at least 500 lux.

The EFA CT is delivered from the factory ready for use.

5.1 Connecting EFA CT

Attention!



Device damage!

Operate the EFA CT only with clean, water-free and oiled air!

Attention!



Pressurised pipes can flail around.

Depressurise the system before carrying out any assembly work.

- 1) Insert the air hose (1) completely into the screw-in fitting (2) on the valve housing (3) of the EFA CT, ensuring a secure hold. See *Fig. 5.1*.
- 2) Guide the air-outlet hose (4) through the union nut (5) and push it onto the valve housing of the EFA CT. See *Fig. 5.1*
- 3) Screw the union nut (5) onto the valve housing (3) of the EFA CT. See *Fig. 5.1*.

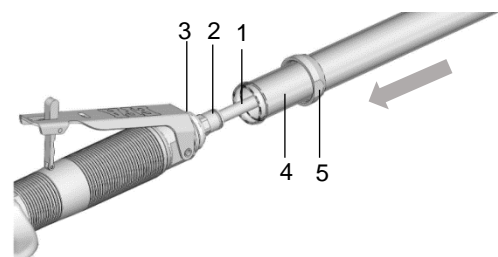


Fig. 5.1 – Compressed air hose connection

- 4) Push the water connection (12) into the swivel fitting (13) of the EFA CT as far as it will go. See *Fig. 5.2*.
- 5) Slide the suction hose (16) of the vacuum system onto the connection pipe (14) and secure with a hose clip (15). See *Fig. 5.2*.

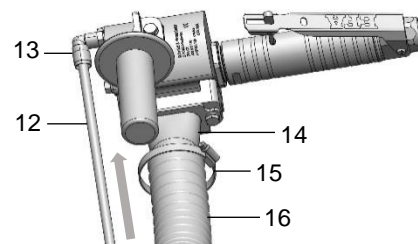


Fig. 5.2 – Compressed air hose

- 6) Screw the rapid action coupling (6) (with sealing ring) into the oil mist lubricator (7) (with filter pressure reducer). Make sure that the oil mist lubricator is assembled in the following sequence: water separator (8), pressure gauge (9), oil mist unit (10). See Fig. 5.3.
- 7) Insert the plug connection (11) into the coupling (6). See Fig. 5.3.

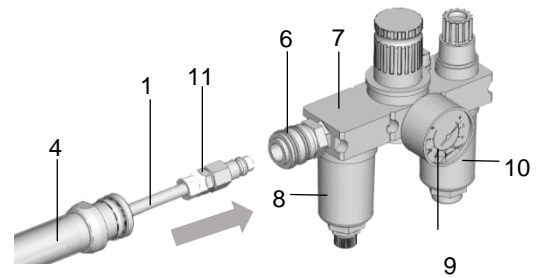


Fig. 5.3 – Compressed air hose

The oil mist lubricator must be set to 1 – 2 drops of oil per minute to ensure lubrication of the pneumatic motor. Check the oil mist lubricator at regular intervals, however at least 1x per week, remove the condensation and top up with special oil.

5.1.1 Filter pressure reducer

The air from pneumatic systems is usually contaminated and enriched with moisture.

A filter pressure reducer with water separator must therefore be installed between the pneumatic system and the tool. This not only regulates the operating pressure, but also cleans and dries the compressed air. The utility and service life of the EFA CT are thus considerably increased.

The filter pressure reducer should be installed as close as possible to the EFA CT.

- Set an operating pressure of max. 6 bar at the filter pressure reducer.

You can purchase a suitable filter pressure reducer from **Schmid & Wezel GmbH** on request, through our Sales department.

Caution!



Danger of malfunctions and injuries!

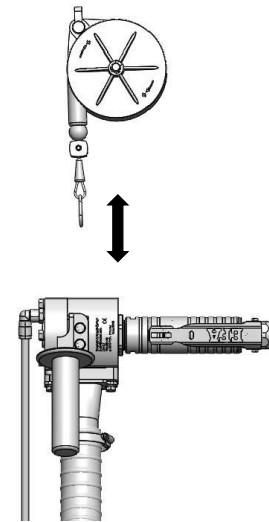
Installation work is only allowed to be carried out by authorised specialist personnel.

Caution!



The connecting line represents a tripping hazard!

Route the connecting lines of the EFA CT away upwards.



5.1.2 Spring balancer

The machine must always be operated in combination with a weight relief device (spring balancer), see Fig. 5.4 and Fig. 5.5.

The spring balancer is secured with a safety chain (2), which must be secured in a fixed position irrespective of how the spring balancer is suspended.

Attach it to a higher element above the workplace or to the ceiling. Hang the EFA CT with the head uppermost if possible. The vertical alignment can be readjusted if necessary.

Danger!



Due to the weight, see Tab. 3.1 – Technical data, there could be a hazard due to the machine slipping or falling when the weight relief device is attached or detached.

Danger!



Please note that if the rope rebounds when unloaded, it is very dangerous for people and the spring will also be irreparably damaged. The maximum load specified on the nameplate must not be exceeded.

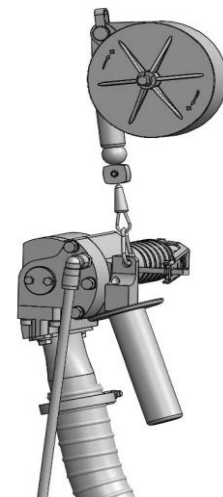


Fig. 5.4 – Weight relief system (spring balancer)

Also make sure that the machine does not jam either on the snap hook or on the hook of the EFA CT. Be careful!

Adjustment of the spring balancer

The fine-tuning of the spring balancer is carried out via the plus/minus (+/-) hexagon screw on its housing.

- To do this, turn the screw with the socket wrench (1) in the direction of minus (-) until the device is freely suspended and balanced (with the tension spring) at working height.

If it is not possible to pull out, the spring balancer is blocked and readjustment is necessary.

- Turn the screw with the socket wrench (1) in the direction of plus (+) until pulling out is possible and start the fine adjustment again.

When the EFA CT is not in use, place it in such a way that there is no accidental contact with the device.



Fig. 5.5 – Fine-tuning of the spring balancer

5.2 Adjusting the handle



The handle with the operating switch can be turned as required for better handling.

- 1) Clamp the EFA CT on the carrier (1) in the vice (2) so that the locknut (3) can be reached with the open-end spanner. See Fig. 5.6.
- 2) Loosen the locknut (3).
- 3) Turn the handle through **max.** 180°.
- 4) Tighten the locknut (3) again firmly.

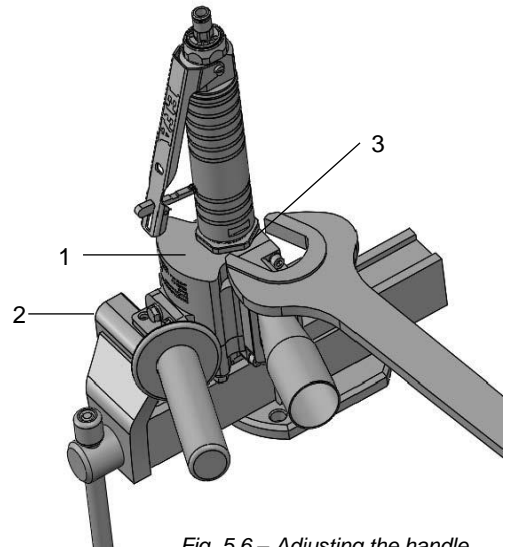


Fig. 5.6 – Adjusting the handle

6. Handling

The EFA CT must not be switched on before the operator has read these operating instructions and the appliance has been connected correctly, *see section 2 – Safety*.

6.1 Switching on the EFA CT

Perform a function test before starting work.

Warning!



Risk of crushing!

Keep your fingers out of the space between the operating lever and handle when switching the appliance on.

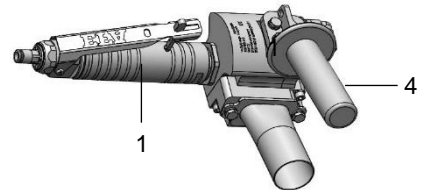


Fig. 6.1 – Operating the switch

- 1) Hold the device firmly by its handles (1 and 4). *See Fig. 6.1.*
- 2) Actuate the locking lever (2). *See Fig. 6.2.*
- 3) This releases the operating lever (3). *See Fig. 6.2.*
- 4) Actuate the operating lever (3). *See Fig. 6.2.*
- 5) The EFA CT starts.

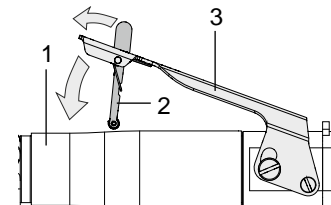


Fig. 6.2 – Operating the switch

6.2 Switching off

- Release the operating lever.

Because of its return spring, the locking lever automatically switches the EFA CT off, at the same time securing the appliance so that it cannot be switched on accidentally.

6.3 Working with the EFA CT

Danger!



**Never reach into the serrated rail area of the EFA CT.
Failure to comply could result in serious injuries!**

Warning!



Wear eye protection or protective goggles when working.

Hearing protection must be worn during continuous operation!

6.3.1 Operation

- The EFA CT, the water supply and the vacuum unit must be ready for operation.
- Hold the EFA CT securely by both handles and switch on (*see section 6.1*).
- With the appliance running, place it against the carcass, *see section 6.1 Switching on the EFA CT*.
- While the EFA CT is running, guide it evenly from top to bottom while maintaining contact with the carcass.
- At the end of a work step, lift the EFA CT off the carcass.
- To switch off, release the operating lever, *see section 6.2*.

6.3.2 Operational safety

Take particular care when working with the EFA CT when it is switched on. For safer handling (guidance), the EFA CT must be suspended from a spring balancer, *see section 5.1.2 – Spring balancer*. Observe the general safety regulations, *see section 2*.

Vacuum system

- Never connect the vacuum system to the compressed air network.
- Never place the open end of the vacuum hose on any part of the body.
- Never exceed the max. capacity of the tank.
- Only switch on the vacuum motor while working with the EFA CT.

For complete information about the vacuum system, read the operating instructions supplied with it.

7. Assembly

Warning!



Unintentional switching on!

Before carrying out any assembly work, switch off the device and disconnect it from the compressed air network!

Danger!



Assembly work is only allowed to be carried out by authorised specialist personnel.

7.1 Changing the serrated rails

Attention!



Only use genuine spare parts!

This is the only way to ensure the proper functioning of the machine.

The EFA CT contains 6 serrated rails that are driven by a serrated rail carrier.

7.1.1 Dismantling the serrated rail carrier

- 1) Loosen the screws (C) and remove the suction bracket (D), see Fig. 7.2.
- 2) Loosen the screws (A) and remove the counter-bearing (B), see Fig. 7.1.
- 3) Pull out the serrated rail carrier (F) and loosen the slotted screws (E) and cover disc (H), see Fig. 7.3.
- 4) Pull the serrated rails (G) out to the front and replace them with new serrated rails, see Fig. 7.4.
- 5) Assembly is carried out in reverse order.

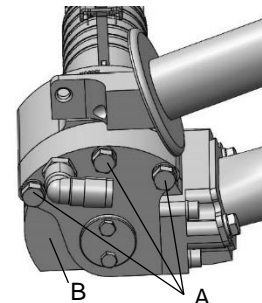


Fig. 7.1 – Counter-bearing

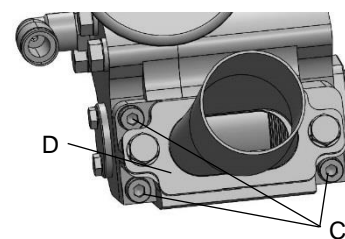


Fig. 7.2 – Suction bracket

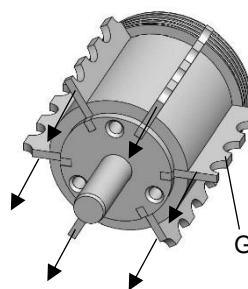


Fig. 7.4 – Serrated rail

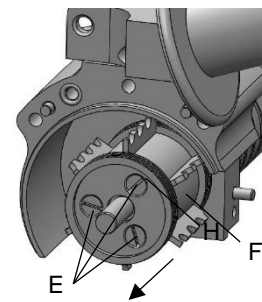


Fig. 7.3 – Serrated rail carrier

8. Service and maintenance

Note!



Observe all safety instructions.

To ensure the longest possible service life and low wear and tear, the EFA CT must be checked and serviced regularly.

Service and maintenance work must only be carried out by instructed personnel.

Only use genuine spare parts or spare parts recommended by **Schmid & Wezel GmbH Maschinenfabrik**.

Warning!



Injury due to switching on inadvertently!

Before carrying out any maintenance work, switch off the device and disconnect it from the compressed air network!

8.1 Daily cleaning

Trouble-free continuous operation can only be guaranteed if the EFA CT is kept perfectly clean at all times. In the normal course of events, the device should be cleaned before each use.



Observe the safety instructions in the product data sheets of the cleaning agents.

8.1.1 Cleaning process

- 1) Clean the EFA CT after every shift with a brush and warm water (40 °C to 55 °C).

Attention!



The EFA CT should only be cleaned after having been disassembled!

Only use cleaning agents that are compatible with materials and food-grade!

- 2) Tenacious or crusted residues must be soaked in order to be able to remove them.
- 3) Use cleaning agents (recommended: cleaning foam).
Contact time: 15 ... 20 minutes.
- 4) Rinse the EFA CT with warm water.
- 5) Check whether all of the residues have been removed. If necessary, repeat the cleaning process.

Attention!



Before using cleaning agents, the material compatibility must be tested at a suitable point. Observe the manufacturer's instructions when handling the cleaning agent!

8.2 Oil mist lubricator

For proper functioning and to maintain the appropriate service life of the EFA CT, the oil mist lubricator (filter pressure reducer) must be checked at regular intervals (at least 1 x per week).

- Remove any condensation and, if necessary, top up with special oil (available from **Schmid & Wezel GmbH**).
- Check the operating pressure (max. 6 bar) at regular intervals.

8.3 Maintenance

During operation, it is possible that the function can be disrupted, but in most cases, troubleshooting is relatively easy.

Attention! All work must be carried out by qualified instructed specialist personnel only.



In *Table 8.1 – Malfunction – Possible causes – Remedy*, these malfunctions are listed with possible causes and resulting remedies.

8.3.1 Extended cleaning

If necessary, disassemble the EFA CT once a week for extended cleaning in the event of intensive use, see *section 7.1.1*.

8.3.2 Repair by customer service

Only qualified persons are authorised to perform repairs. The **EFA Service department of Schmid & Wezel GmbH** is at your disposal for repairs.

In the event of faults that cannot be clearly localised, the machine should always be returned to **Schmid & Wezel GmbH** for repair, stating the symptoms of the malfunction.



Do not repair defective devices on site (in the immediate vicinity of foodstuffs)!
Provide all of the necessary tools and ensure that the work environment is clean.

Warning!



Injury due to switching on inadvertently!

Before carrying out any maintenance work, switch off the device and disconnect it from the compressed air network!

Tab. 8.1 – Malfunction – Possible causes – Remedy

| Malfunction | Possible cause | Remedy |
|--|-----------------------------|---|
| The device does not start when the operating lever is actuated | Lack of compressed air | Ensure compressed air supply |
| | Motor is defective | Return to manufacturer for maintenance |
| | Loose hose connection | Check correct connection of the hoses |
| | Rotor blade defective | Return to manufacturer for maintenance |
| Operating lever is difficult or impossible to press | Valve pin jammed | Check valve pin or return the device to the manufacturer |
| The device becomes hot | Machine dirty | Check device for contamination (inside), return the device to the manufacturer if necessary |
| | Defective bearing | Replace bearing or return the device to the manufacturer |
| | Lack of lubrication | Check and regrease if necessary |
| Poor work result | Serrated rails worn | Change serrated rails |
| Little or no water | Water nozzle blocked | Clean the nozzle or replace if necessary |
| High running noise. | Too little oil in the motor | Check the oil mist lubricator for prescribed oil quantity and correct if necessary |
| | Motor is defective | Return to manufacturer for maintenance |

9. Waste disposal – recycling

The machine must be disposed of in accordance with the valid legal regulations of the respective countries.

9.1 Disassembly and disposal



Old and used machines contain reusable materials that can be recycled.

During disposal, it is essential to observe regional and local environmental protection regulations.

- 1) Disconnect the machine from the mains power and/or the pneumatic/hydraulic supply.
 - 2) Disassemble the machine completely.
 - 3) Degrease the machine completely.
 - 4) Dispose of used oil and components and materials contaminated with oil in accordance with the applicable environmental conditions.
 - 5) Separate all reusable materials according to type.
 - 6) Sort the individual reusable materials for recycling and disposal.
 - 7) Dispose of the hazardous waste at a local hazardous waste disposal site.
- Or
- 8) Return your waste electrical equipment to our head office.



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