



TC-SY 600 S
TC-SY 700 S

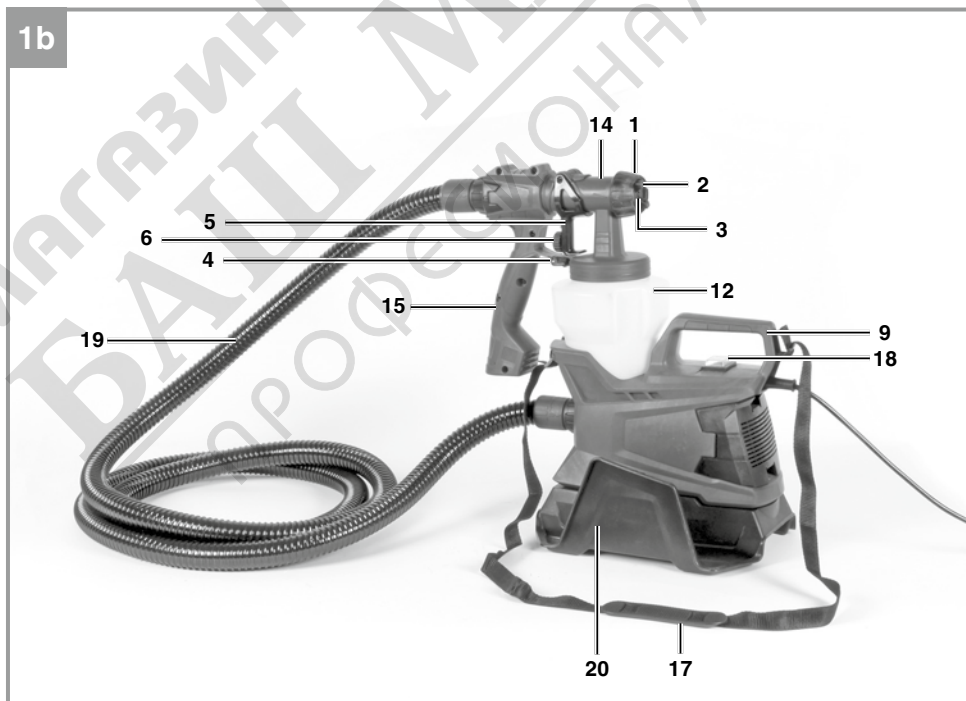
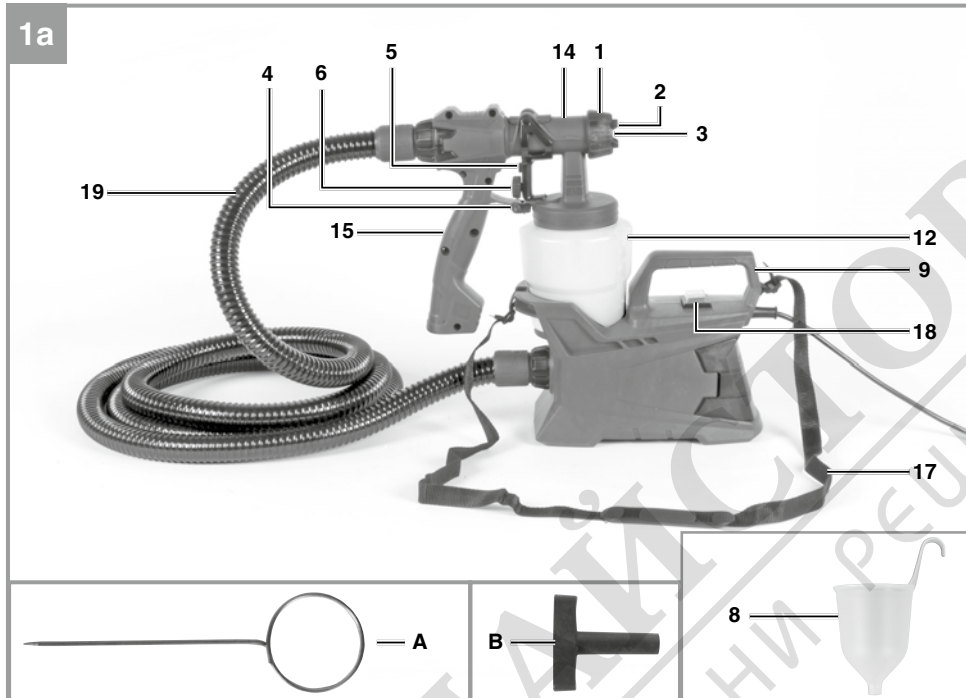
D	Originalbetriebsanleitung Farbsprühsystem	FIN	Alkuperäiskäyttöohje Maalinruiskutusjärjestelmä
GB	Original operating instructions Paint Spray System	SLO	Originalna navodila za uporabo Sistem za pršenje barve
F	Instructions d'origine Système de pulvérisation de peinture	GR	Πρωτότυπες Οδηγίες χρήσης Σύστημα ψεκασμού βαφής
I	Istruzioni per l'uso originali Sistema a spruzzo	P	Manual de instruções original Sistema de pulverização de tintas
DK/ N	Original betjeningsvejledning Farvesprøjtesystem	HR/ BIH	Originalne upute za uporabu Sustav za prskanje boje
S	Original-bruksanvisning Färgsprutsystem	RS	Originalna uputstva za upotrebu Sistem za prskanje boje
NL	Originele handleiding Verfsproeisysteem	PL	Instrukcja oryginalną Zestaw do malowania natryskowego
E	Manual de instrucciones original Sistema pulverizador de pintura	RUS	Оригинальное руководство по эксплуатации Система распыления краски

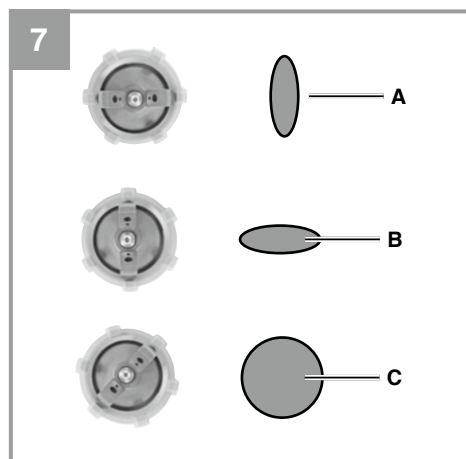
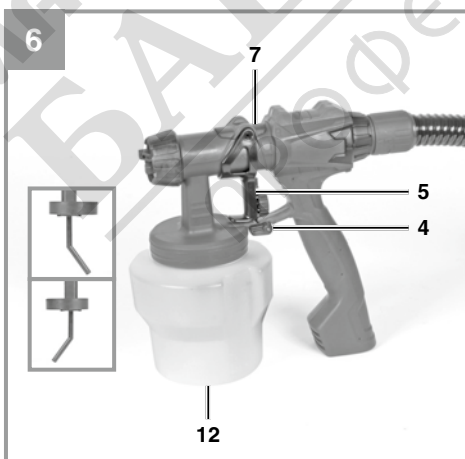
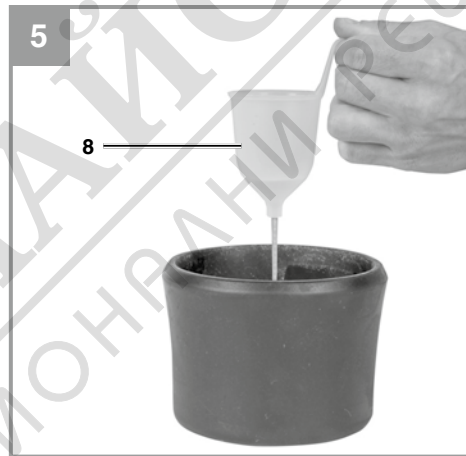
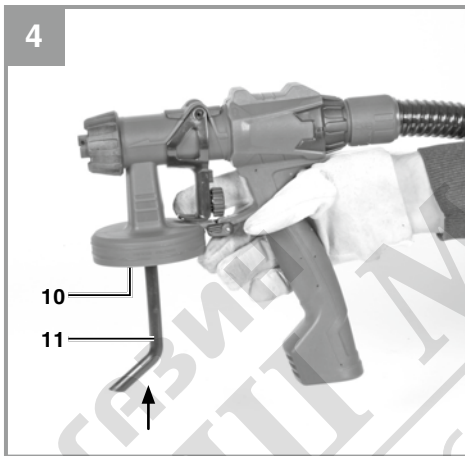
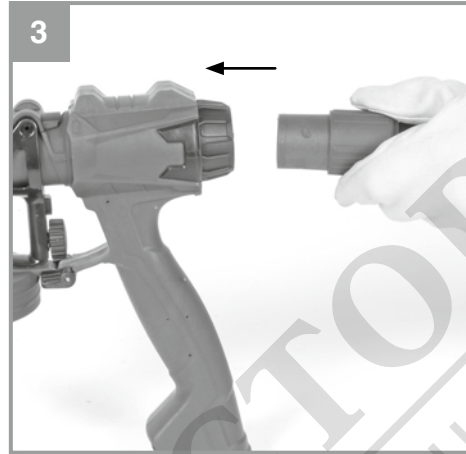
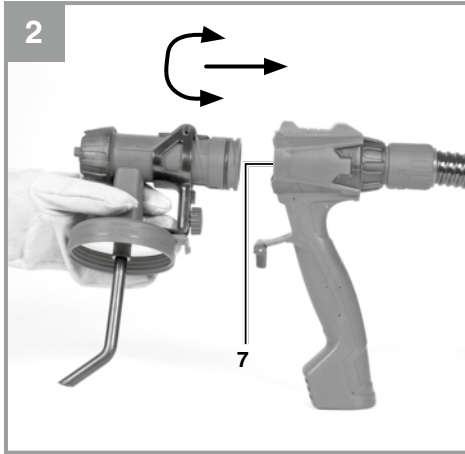
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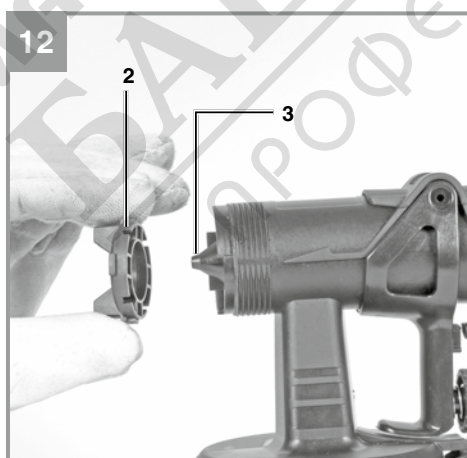
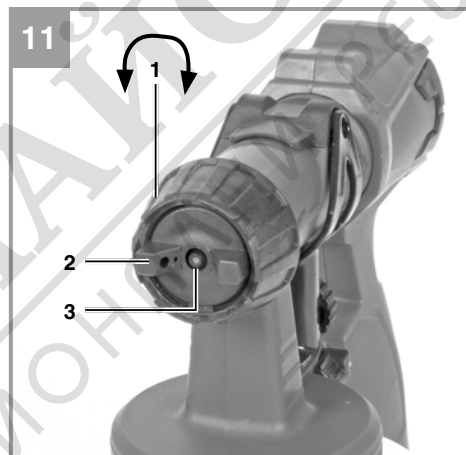
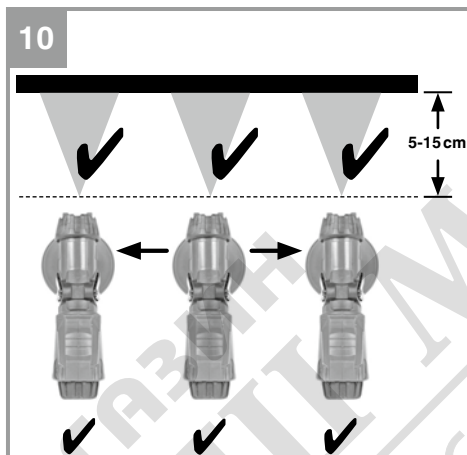
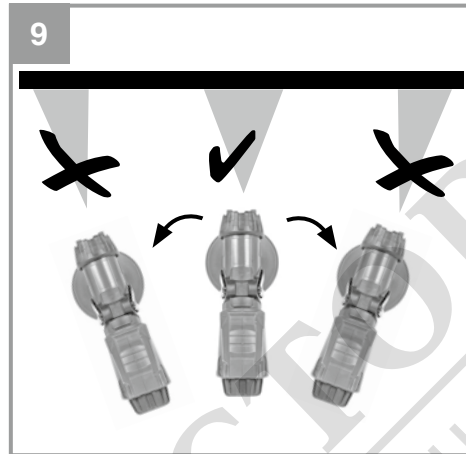
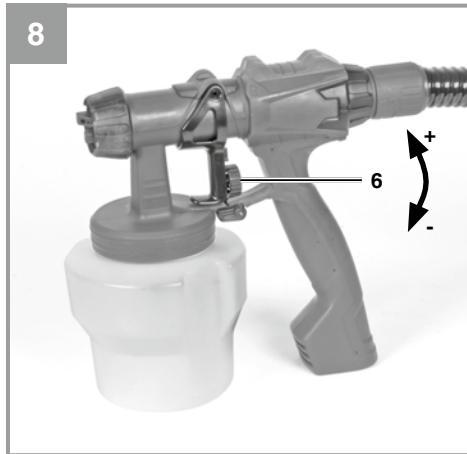


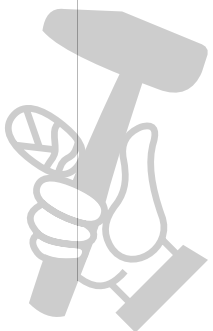
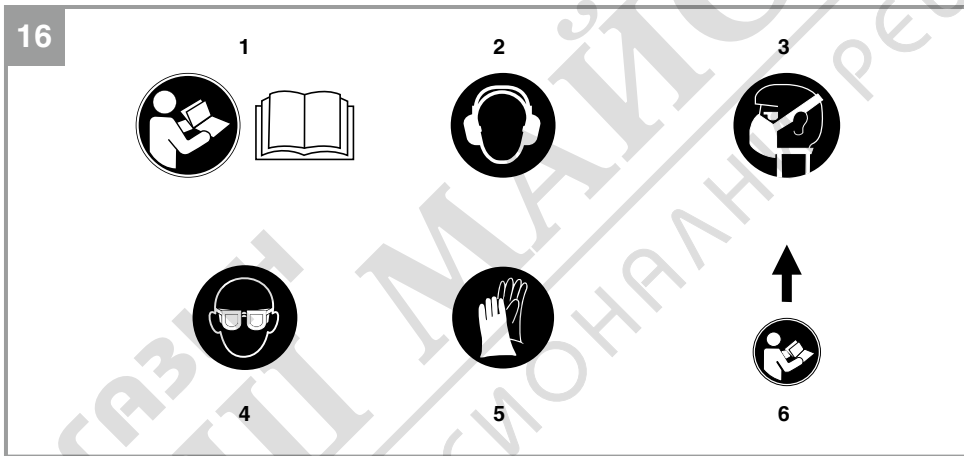
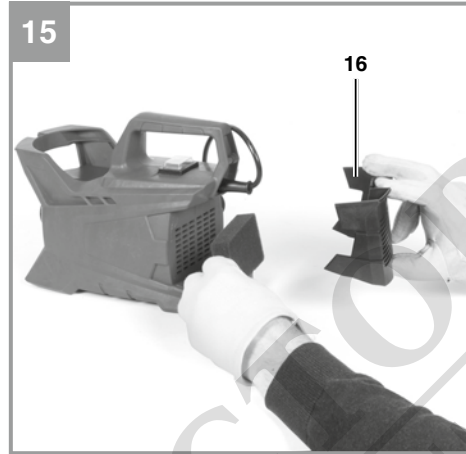
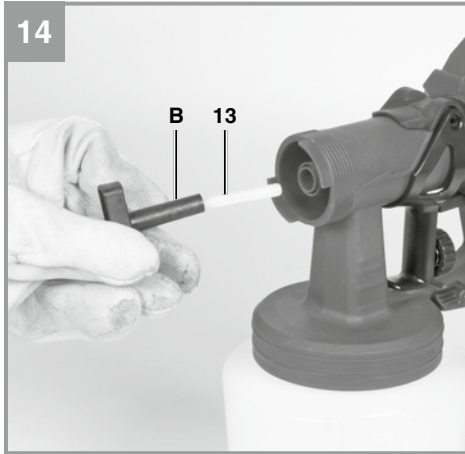
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Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

Explanation of the symbols used (see Fig. 16)

1. **Danger!** - Read the operating instructions to reduce the risk of injury
2. **Caution! Wear ear-muffs.** The impact of noise can cause damage to hearing.
3. **Caution! Wear a breathing mask.** Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!
4. **Caution! Wear safety goggles.** Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.
5. **Caution! Wear gloves.**
6. **Note!** Disassemble and clean the equipment immediately after each use. This is the only way to keep the wetted parts clean and prevent clogging. Parts that are not cleaned can become clogged, causing an equipment fault.

1. Safety regulations

The corresponding safety information can be found in the enclosed booklet.

Warning!

Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.

Keep all the safety information and instructions in a safe place for future use.

2. Layout and items supplied**2.1 Layout (Fig. 1-16)**

Fig. 1a: TC-SY 600 S

Fig. 1b: TC-SY 700 S

- 1 Air cap retaining ring
- 2 Air cap
- 3 Nozzle
- 4 Locking lever
- 5 Trigger
- 6 Max. paint volume control
- 7 Pistol mounting
- 8 Viscosity cup
- 9 Transport handle
- 10 Material tube connection
- 11 Material tube
- 12 Container
- 13 Fluid needle (plastic)
- 14 Trigger unit
- 15 Handle
- 16 Filter cap
- 17 Shoulder strap
- 18 On/Off switch
- 19 Air hose
- 20 Cradle*

- A Cleaning needle
- B Adapter for fluid needle

*only included with TC-SY 700 S

2.2 Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Danger!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Container
- Cleaning brush (not shown)
- Cleaning needle
- Viscosity cup
- Cap 2.5 mm nozzle, mounted on the pistol (colour: black)
- Replacement nozzle, 3 mm (colour: grey)
- Adapter for fluid needle
- Shoulder strap
- Cradle*
- Original operating instructions
- Safety information

*only included with TC-SY 700 S

3. Proper use

The machine is suitable for spraying solvent-borne and water-borne paint, varnish, primers, transparent lacquer, vehicle basecoats and clearcoats, interior wall paint, stains and wood preservatives. Alkali and acidic substances, spray materials containing particles, latex paint and non-drip/non-splatter paint must not be sprayed.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data**4.1 TC-SY 600 S technical data**

Mains voltage/frequency	220-240 V ~ 50 Hz
Power rating	600 W
Max. flow rate.....	1000ml/min
Container	800 ml
Nozzle dia.	2.5 / 3.0 mm
Max. viscosity	70 DIN-sec
Protection Class.....	II/□
Ingress Protection	IP 23
Weight	approx. 2.6 kg
Hose length	1.8 m

4.2 TC-SY 700 S technical data

Mains voltage/frequency	220-240 V ~ 50 Hz
Power rating	700 W
Max. flow rate.....	1000ml/min
Container	1000 ml
Nozzle dia.	2.5 / 3.0 mm
Max. viscosity	70 DIN-sec
Protection Class.....	II/□
Ingress Protection	IP 23
Weight	approx. 3.2 kg
Hose length	3.5 m

Danger!**Sound and vibration**

Sound and vibration values were measured in accordance with EN 50580.

L_{pA} sound pressure level	83 dB(A)
K_{pA} uncertainty	3 dB
L_{WA} sound power level	94 dB(A)
K_{WA} uncertainty	3 dB

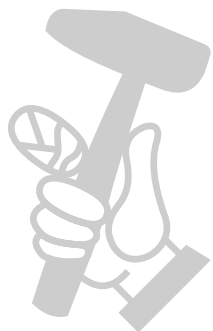
Wear ear-muffs.

The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 50580.

Handle

Vibration emission value $a_h = 1.57 \text{ m/s}^2$
K uncertainty = 1.5 m/s^2



The specified vibration value was established in accordance with a standardized testing method. It may change according to how the electric equipment is used and may exceed the specified value in exceptional circumstances.

The specified vibration value can be used to compare the equipment with other electric power tools.

The specified vibration value can be used for initial assessment of a harmful effect.

Keep the noise emissions and vibrations to a minimum.

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

Caution!

Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Warning!

Always pull the power plug before making adjustments to the equipment.

5.1 Spray gun assembly (Fig. 2/3/4)

- The trigger unit (14) is attached to the handle (15) with the gun mounting bayonet connector (7).
- Open the locking lever (4).
- Twist and insert the trigger unit (14) into the handle.
- Close the locking lever.
- Insert the material tube (11) into the material tube connection (10).
- Screw the container into the trigger unit.

6. Operation

6.1 Material preparation

The paint usually has to be thinned before it can be used in the spray gun. Instructions on how to thin the paint for spraying are not always printed on the paint tin. You should use the viscosity table as a guide (viscosity = consistency of the paint).

6.1.1 Measuring the viscosity (Fig. 5)

1. Mix the material thoroughly before measuring.
2. Completely immerse the viscosity cup (8) into the material.
3. Then lift the viscosity cup (8) out of the mixture and use a stopwatch to measure the time it takes for all of the material to flow through the cup. As soon as the continuous flow out of the bottom is interrupted, stop the timer. Repeat until you have the viscosity you need.

This is the „Draining time in seconds“. (See 11. Viscosity Table)

6.1.2 Nozzle diameter

The size of the nozzle to use depends on the viscosity of the material. Depending on the viscosity, use the 2.5 mm dia. nozzle (colour: black for low viscosity) or the 3.0 mm dia. nozzle (colour: grey for higher viscosity). The fluid needle in the gun is suitable for both diameters.

6.2 On/Off switch (Fig. 1a, 1b)

Switch position 0: Off

Switch position I: On

6.3 Working with the paint spray gun (Fig. 6)

Note! Cover all surfaces which must be protected from the spray, even areas which are further away from the place where you are working. A fine mist from the spray gun can spread to areas in the wider surroundings indoors and outdoors, and the

material will be deposited on surfaces there.

- Unscrew the container (12) from the paint spray gun.
- Align the material tube (11) for the object you are working on.
- Spraying on horizontal objects: Rotate the material tube (11) towards the front.
- Spraying on raised objects: Rotate the material tube (11) towards the rear.
- Never continue spraying until the container is completely empty. If the material tube no longer reaches the spray material, the spray flow will be interrupted and the coverage on the surface will be uneven.
- Once you have performed the viscosity measurement as described in 6.1.1, place the container (12) on some paper, pour in the material you have prepared and tightly screw the container (12) back into the paint spray gun.
- The paint spray gun may only be set down on a clean, even surface. Otherwise it may tip over.
- After each cleaning (see 8.1) or change of fan pattern (see 6.3), tighten the air cap retaining ring (1) to prevent material from leaking out between the air cap retaining ring and the air cap (2).

6.4 Adjusting the fan pattern (Fig. 7)

You can set the paint spray gun to produce three different fan patterns to suit your needs. Loosen the air cap retaining ring (1) and rotate the air cap (2) to the desired position. Re-tighten the air cap retaining ring.

Selecting the fan pattern:

A: vertical fan

-> for horizontal surfaces

B: horizontal fan

-> for vertical surfaces

C: Round fan

-> for corners, edges and surfaces that are difficult to access

Risk of injury!

Never press the trigger while you are adjusting the jet.

6.5 Adjusting the material flow (Fig. 8)

You can rotate the max. paint volume control to regulate the material flow.

- direction-> lower material flow

+ direction-> higher material flow

6.6 Spraying techniques

- The results you get depend on how smooth and clean the surface is. The surface must be carefully prepared and free of dust.
- Surfaces, threads, etc. which should not be sprayed must be covered.
- Always set the spray gun down on cardboard or something similar. You can use the cardboard as a target to properly adjust the spray gun.

Important:

Always begin spraying outside of the area to be sprayed and avoid interrupting spraying inside the area to be sprayed.

- Wrong (Fig. 9): If you only rotate the spray gun from side to side, the gun will produce a heavy mist and the coverage will be uneven.
- Right (Fig. 10): Always hold the spray gun at the same distance (about 5-15 cm) from the surface you are working on.
- Move the spray gun uniformly laterally or up and down depending on the fan pattern.
- Uniform motion of the spray gun produces uniform finish quality.
- If material residue is deposited on the nozzle (3) and the air cap (2), clean both parts with solvent or water.

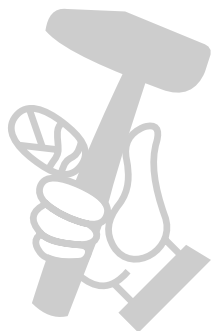
6.7 Transport

Carry the spray gun by the handle (9) or the shoulder strap (17).

7. Replacing the power cable

Danger!

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.



8. Cleaning, maintenance and ordering of spare parts

Danger!

Always pull out the mains power plug before starting any cleaning work.

8.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

8.1.1 Disconnecting and cleaning the gun (Fig. 1-2, 11-15)

1. Unplug the spray gun from the mains power. Press the trigger (5), so that the residual material flows back into the container (12).
2. Unscrew the container (12) and empty the residual material back into the material tin.
3. Clean the container (12) and the material tube (11) with a bristle brush.
4. Pour solvent or water into the container. Screw the container back on. Solvents with a flash point above 55°C may not be used.
5. Reinsert the mains plug into the mains outlet and turn on the paint spray gun. Set the max. paint volume control (6) to the maximum flow setting. Spray the solvent or water into a container or rag, but never into the surroundings.
6. Repeat the procedure above until the clear solvent or water exits from the nozzle (3).
7. Turn the paint spray gun off again and unplug it from mains power.
8. Completely empty the container (12). Always keep the container (12) free of residue and check it for damage.
9. Use a rag soaked in solvent or water to clean the outside of the paint spray gun and the container (12).
10. Unscrew the air cap retaining ring (1) and remove the air cap (2). Remove the nozzle (3). Push the fluid needle adapter (B) onto the

fluid needle (13). Twist and pull to remove the fluid needle. Clean the air cap retaining ring, air cap, nozzle and fluid needle with a bristle brush and solvent or water.

11. Remove the filter cap (16) to clean the air inlet filter. Remove the filter and clean it by blowing out with air. Replace the filter and screw the filter cap onto the gun. Do not operate the gun without the filter.
12. Reinsert the fluid needle. Pull the trigger and insert the nozzle on the fluid needle. While inserting, ensure that the pins on the sides of the fluid needle point up/down and not right/left. Pull the trigger while placing the air cap on the nozzle and tightly fasten the air cap with the air cap retaining ring.
13. Ensure that the paint spray gun is completely dry before storing it.
14. Properly dispose of residual paint and cleaning agents in accordance with local laws and regulations. Residual paint and solvents must be taken to a suitable collection point. If you are not sure, ask the local council where the nearest collection point is.

Warning!

Never immerse the paint spray gun in water or other liquids. The housing may only be cleaned with a dampened rag.

Note: If you use 2-component paint, you must clean the gun immediately. Otherwise the paint may dry inside the gun, causing an equipment fault.

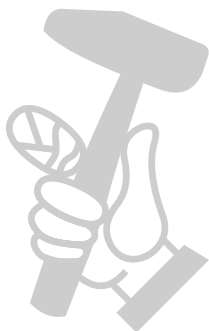
8.2 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

Danger! The carbon brushes should not be replaced by anyone but a qualified electrician.

8.3 Maintenance

There are no parts inside the equipment which require additional maintenance.



8.4 Ordering spare parts and accessories

Please provide the following information when ordering spare parts:

- Type of unit
- Article number of the unit
- ID number of the unit
- Spare part number of the required spare part

For our latest prices and information please go to www.Einhell-Service.com



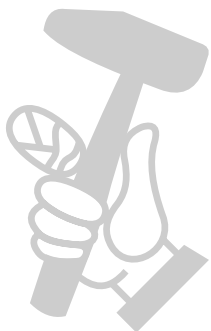
Tip! For good results we recommend high-quality accessories from **kwb** !
www.kwb.eu
welcome@kwb.eu

9. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

10. Storage

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.



11. Viscosity Table

Examples of spray materials. Follow the manufacturer's instructions!	Draining time in seconds (DIN-sec)
Solvent-borne primers	25-30
Solvent-borne paint	15-30
Water-borne primers	25-30
Water-borne paint	20-25
Wood preservatives, stains, oils	undiluted
Disinfectants	undiluted
Vehicle topcoats	20-25

12. Troubleshooting Guide

Problem	Possible Cause	Solution
No material exits from the nozzle	Nozzle clogged Material tube clogged Max. paint volume control rotated too far anti-clockwise (-). Material tube is loose. No pressure build-up in the container. Consistency of the material is too thick.	Clean Clean Turn clockwise (+) Insert Tighten container Dilute
Material drips from nozzle after spraying	Nozzle is loose. Nozzle is worn. Nozzle seal is worn. Solids in the air cap or nozzle.	Tighten Replace Replace Clean
Atomization too coarse	Material viscosity too high Material volume too high Max. paint volume control turned too far clockwise (+). Dirty nozzle. Insufficient pressure build-up in the container	Dilute Turn the max. paint volume control anti-clockwise (-) Clean Tighten the container
Intermittent („fluttering“) spray	Almost all of the material in the container has been used up.	Add more
Coating pattern is too light and uneven	You moved the paint spray gun too fast across the surface you are working on.	Move the gun more slowly.
The paint runs or sags.	You applied too much material.	Turn the max. paint volume control anti-clockwise (-)
Excessive spray mist	The gun is held too far away from the object you are working on.	Hold the gun closer. Turn the max. paint volume control anti-clockwise (-)



For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

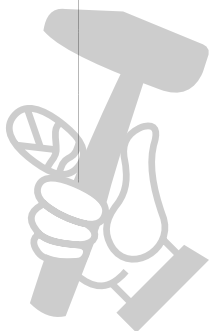
Recycling alternative to the return request:

As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

Please note that batteries and lamps (e.g. light bulbs) must be removed from the tool before it is disposed of.

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Subject to technical changes



Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

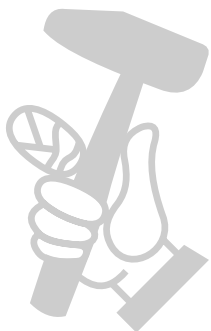
Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	
Consumables*	Nozzle, fluid needle
Missing parts	

* Not necessarily included in the scope of delivery!

In the effect of defects or faults, please register the problem on the internet at www.Einhell-Service.com. Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.



Warranty certificate

Dear Customer,

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that this equipment develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown. Please note the following terms under which guarantee claims can be made:

1. These guarantee terms apply solely to consumers, i.e. natural persons, who do not want to use this product in connection with either their commercial or other self-employed activities. These guarantee terms regulate additional guarantee services which the undermentioned manufacturer promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory rights of guarantee are not affected by this guarantee. Our guarantee is free of charge to you.
2. The guarantee services cover only defects due to material or manufacturing faults on the new product which you have bought in the European Union from the undermentioned manufacturer and are limited to either the rectification of said defects or the replacement of the product, whichever we prefer. Please note that only equipment under the brand name "Professional" has been designed for use in commercial, trade or professional applications. For all other products the guarantee is invalidated if the equipment is used within the guarantee period in commercial, trade or industrial applications or for other equivalent activities.
3. Our guarantee does not cover:
 - Damage to the equipment caused by failure to comply with the installation/assembly instructions or by unprofessional installation; damage caused by failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type); damage caused by failure to comply with the maintenance and safety regulations; damage caused by exposing the equipment to abnormal environmental conditions; damage resulting from poor care and maintenance.
 - Damage to the equipment caused by misuse or incorrect applications (e.g. overloading the equipment or using non-approved attachments or accessories); damage caused by foreign bodies (e.g. sand, stones, dust, ...) getting inside the equipment. Damage in transit; damage caused by force or external influences (e.g. by dropping the equipment).
 - Damage to the equipment or parts of the equipment which is owed to use-related, normal or otherwise natural wear. For example, batteries and battery packs are manufactured with a cycle limit for design-related reasons. Wear is negatively influenced in particular by load demands and charging speeds as well as exposure to heat, cold, vibration and impact.
4. The guarantee is valid for a period of 2 years starting from the purchase date of the equipment. Guarantee claims must be submitted before the end of the guarantee period and within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the equipment even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or for any replacement parts fitted. This also applies if on-site service is used.
5. To assert your guarantee claim, register the defective equipment at: www.Einhell-Service.com. You will need to provide proof of purchase of the new item of equipment. Equipment returned without such proof or without a rating plate are excluded from the guarantee services because of the lack of traceability. If the defect is covered by our guarantee, then either the item in question will be repaired immediately and returned to you or we will send you a new replacement.
6. If you have taken the equipment with you to a different EU country than where you bought it, we will arrange for a local service partner to provide the guarantee services. If you take the equipment outside the EU, the guarantee will not apply.

Of course, we are also happy to offer a chargeable repair service for any defects which are not covered or no longer covered by the scope of this guarantee. To take advantage of this service, please send the equipment to our service address. We draw attention to the restrictions of this guarantee concerning wear parts, consumables and missing parts as presented in the service information included in this operating manual.

Warrantor/ Service:

Einhell UK Ltd, Unit 10, 1st Floor, Champion's Business Park, Arroe Brook Road, Upton, Wirral, CH49 0UQ