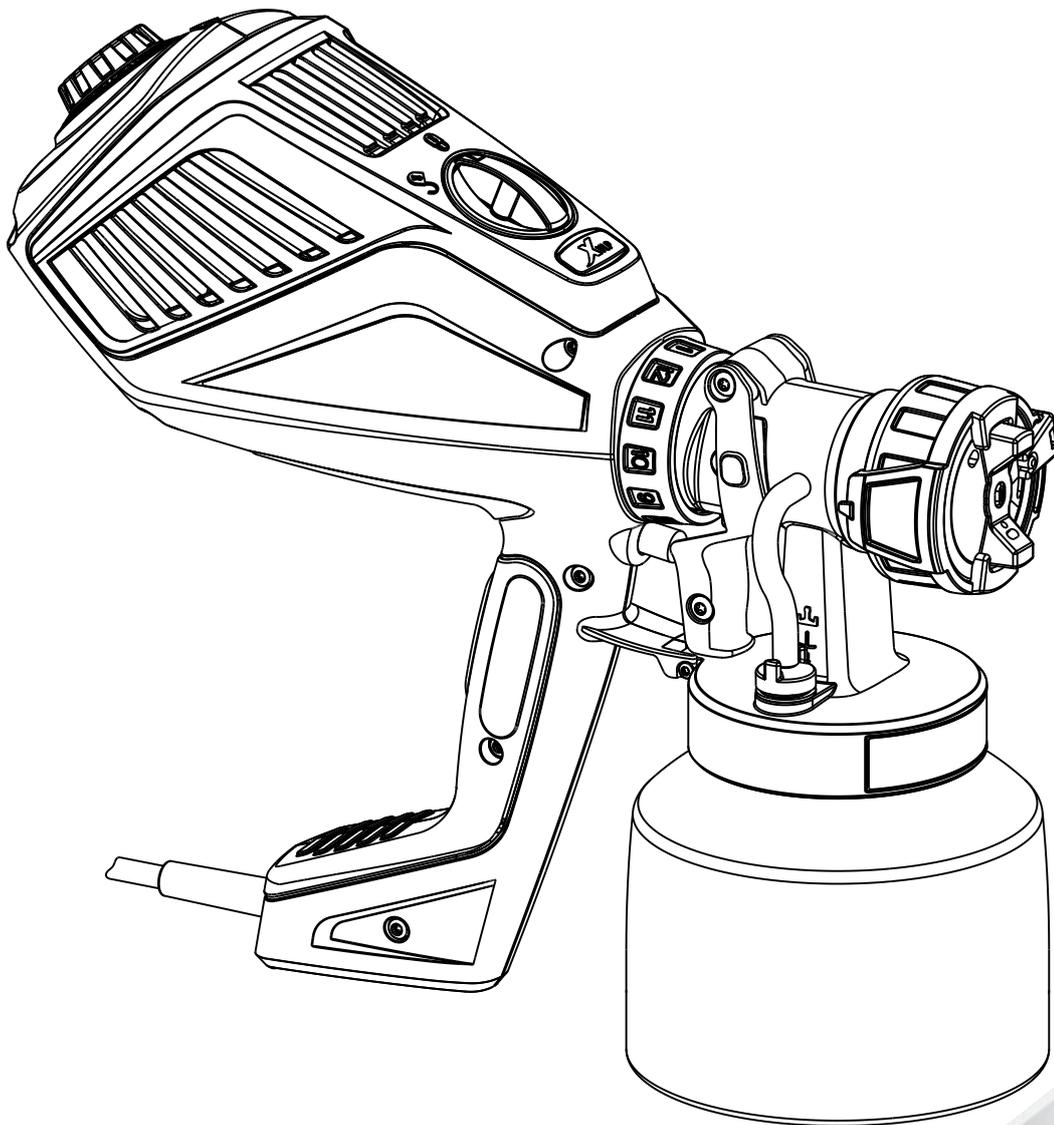
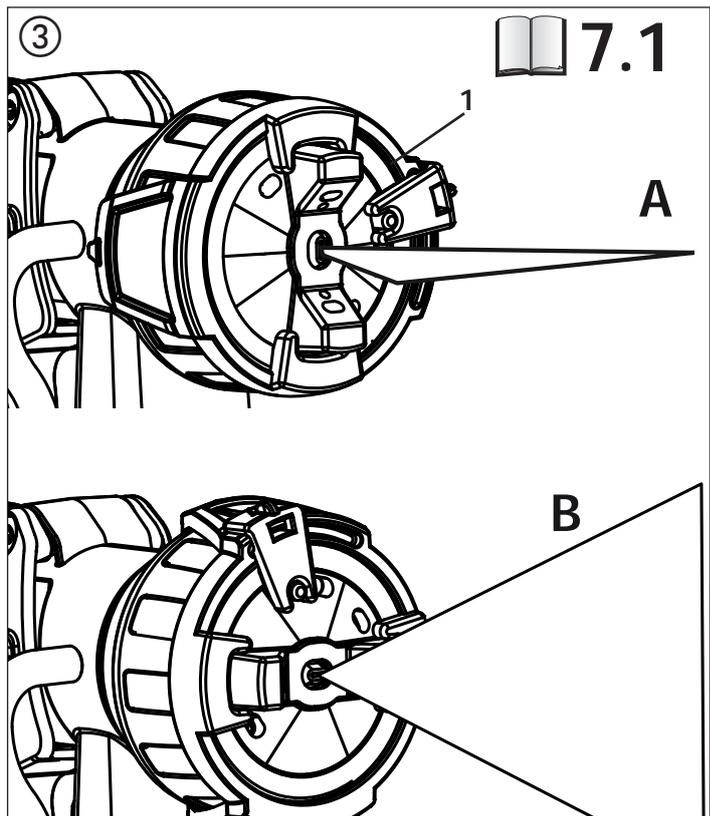
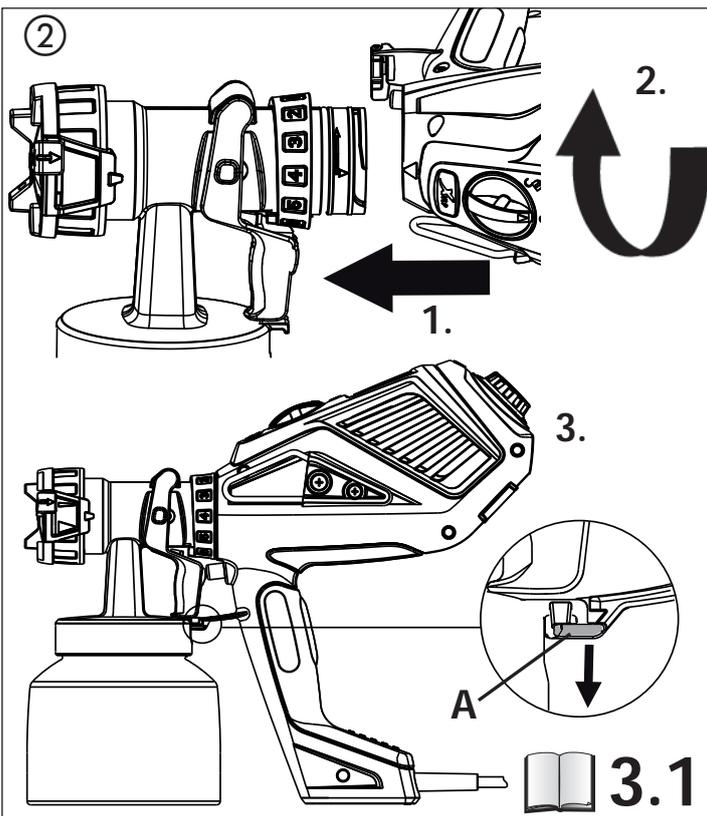
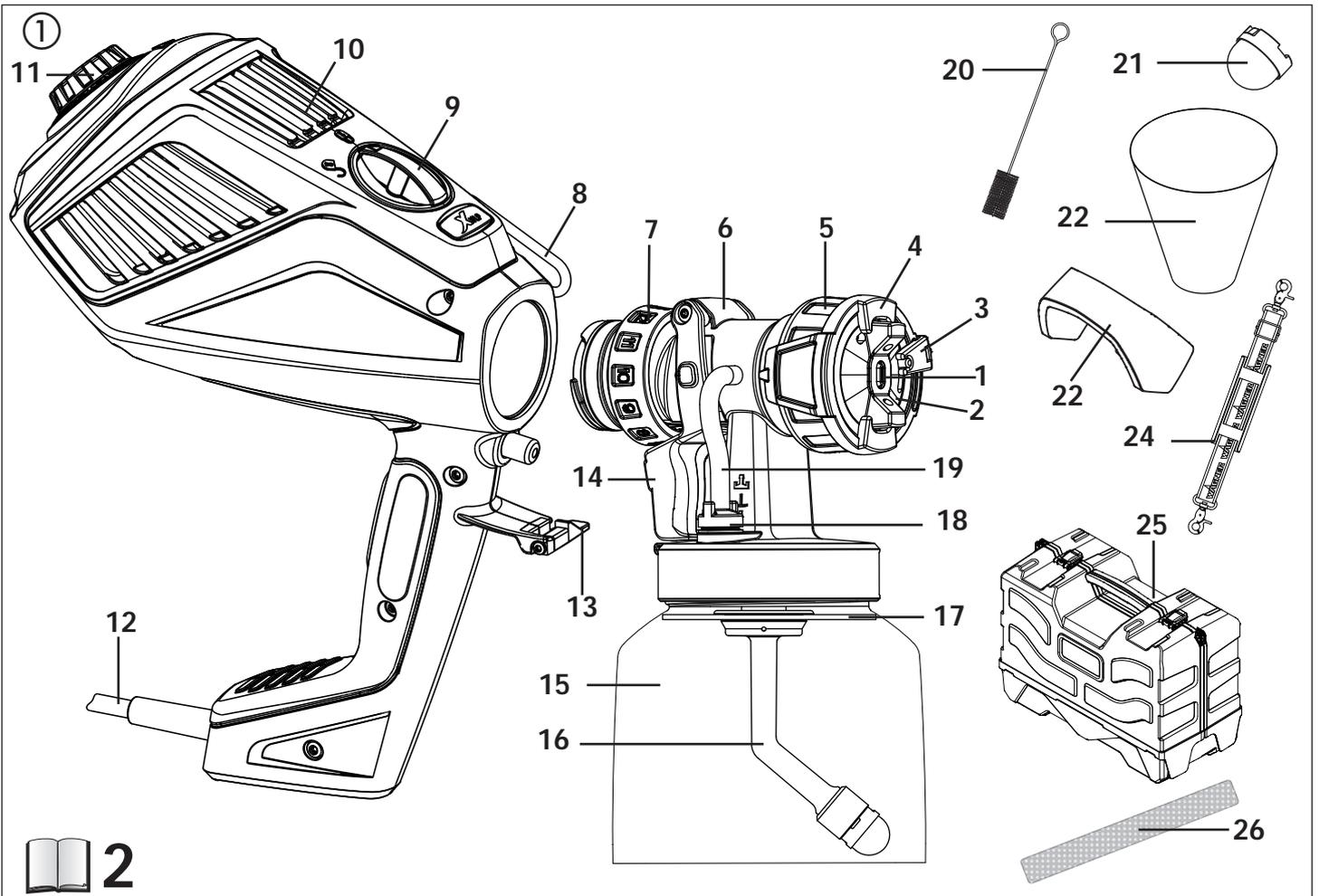


# WAGNER

---

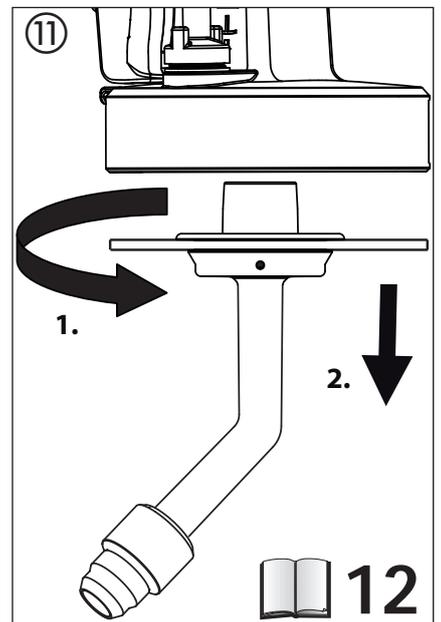
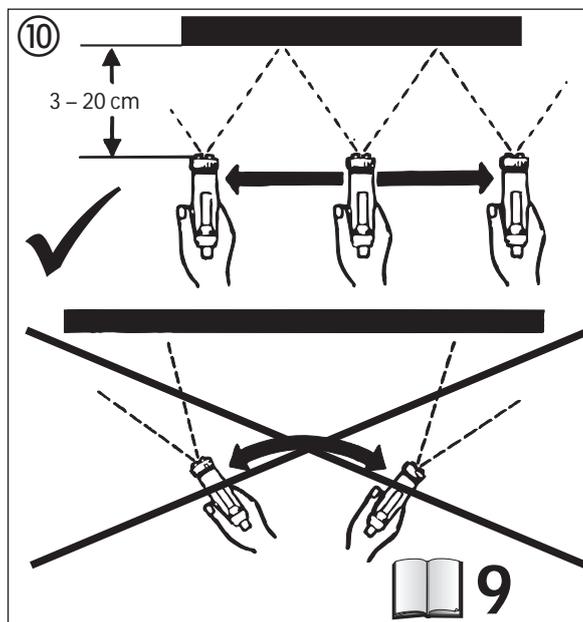
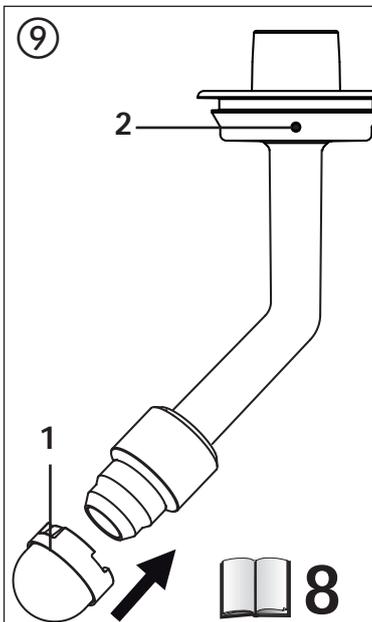
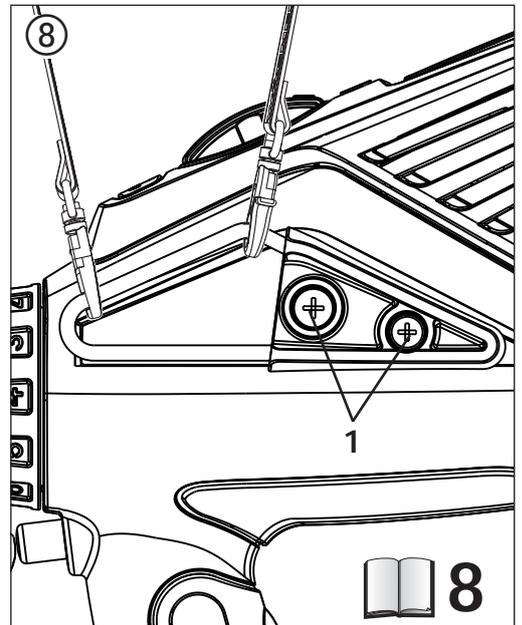
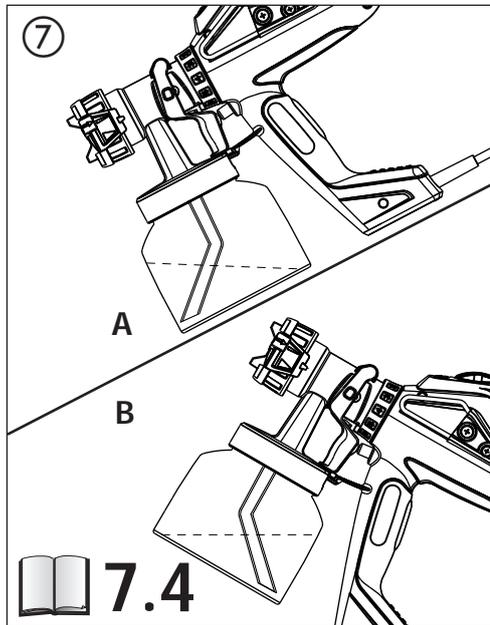
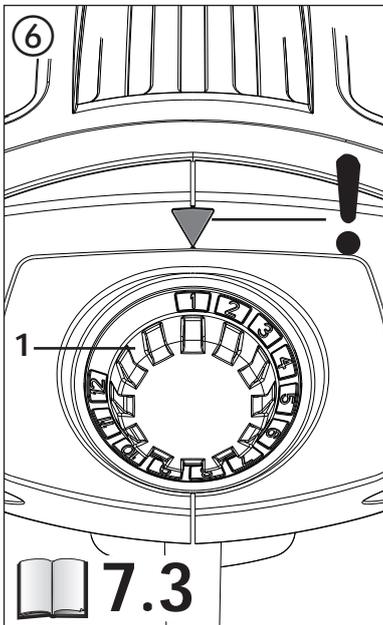
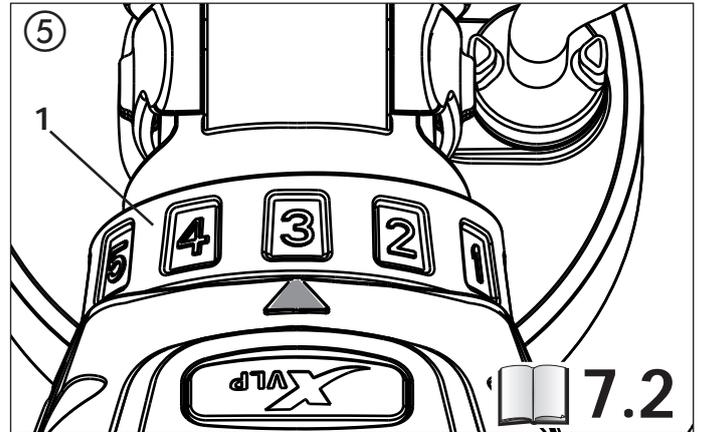
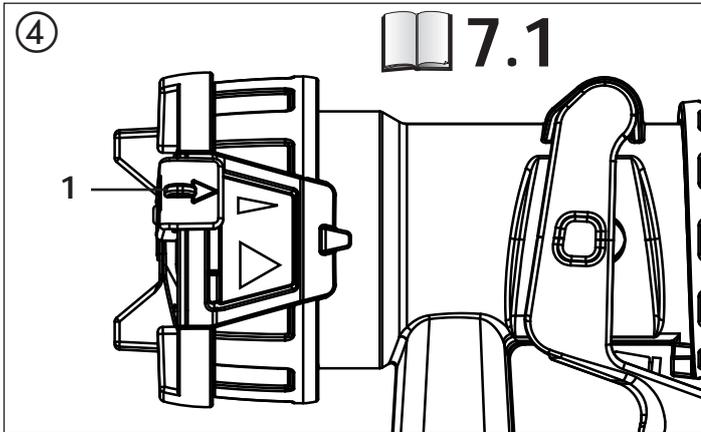
## FinishControl 3500

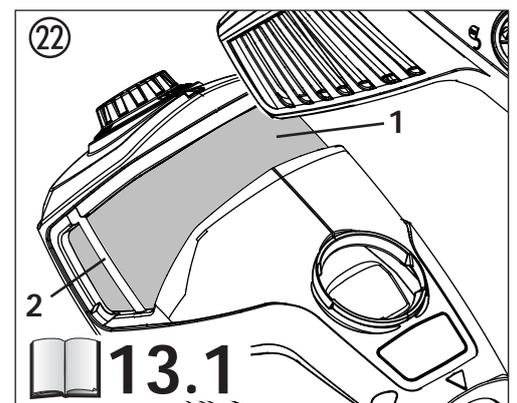
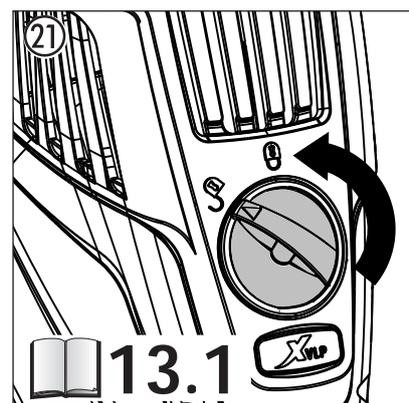
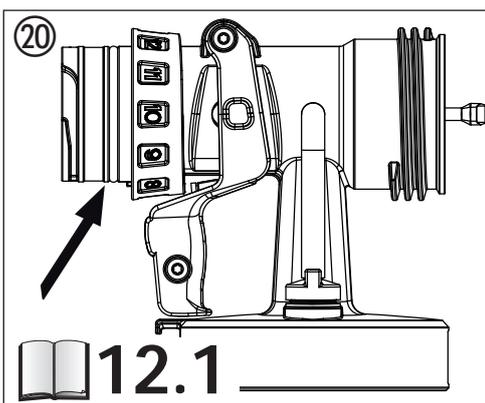
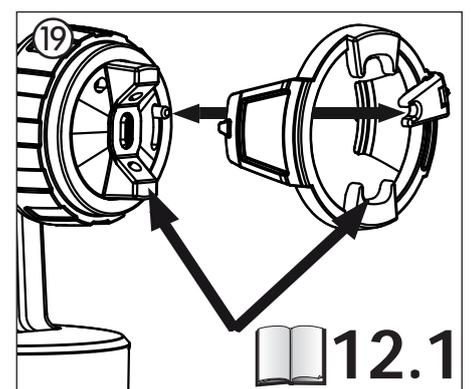
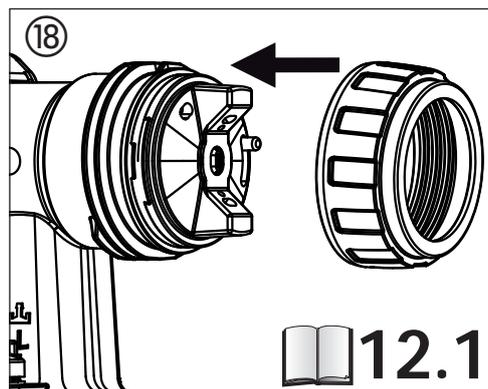
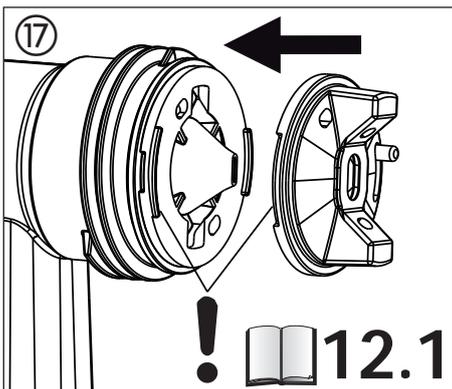
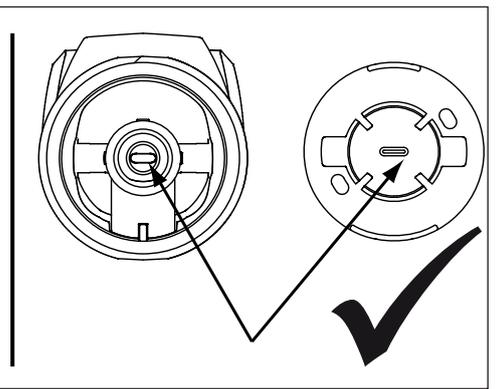
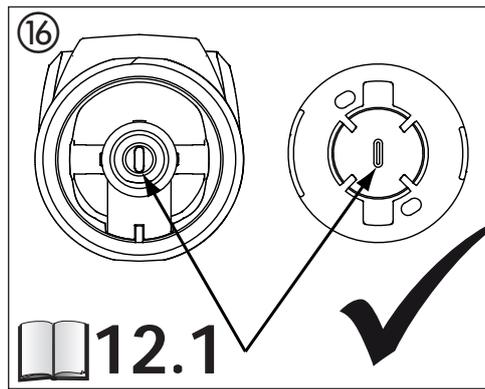
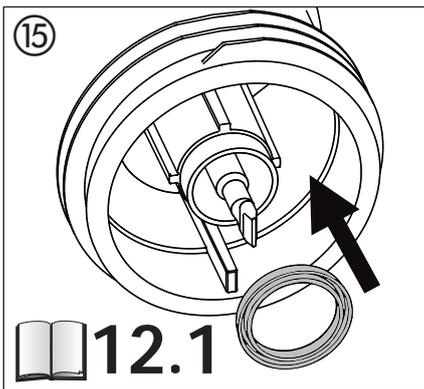
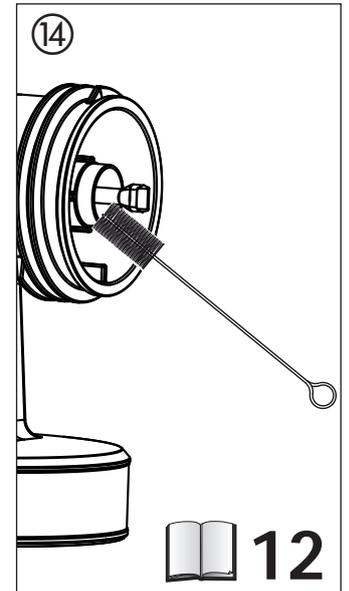
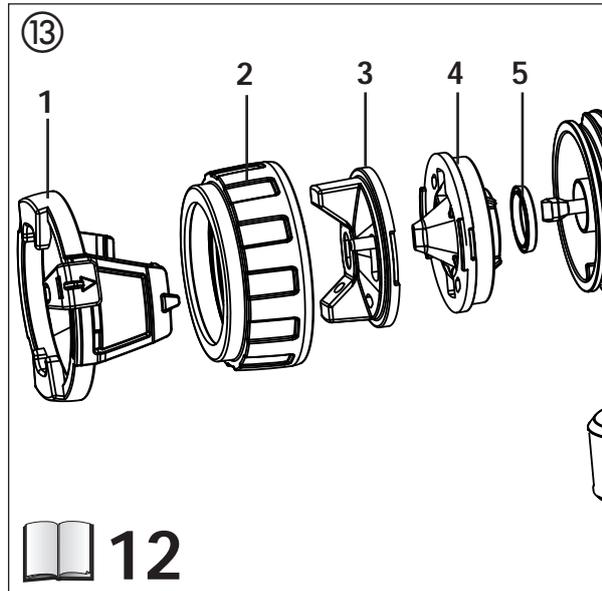
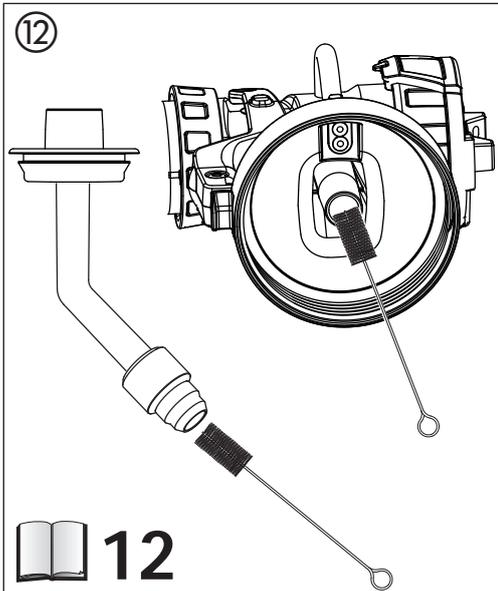




# FinishControl 3500

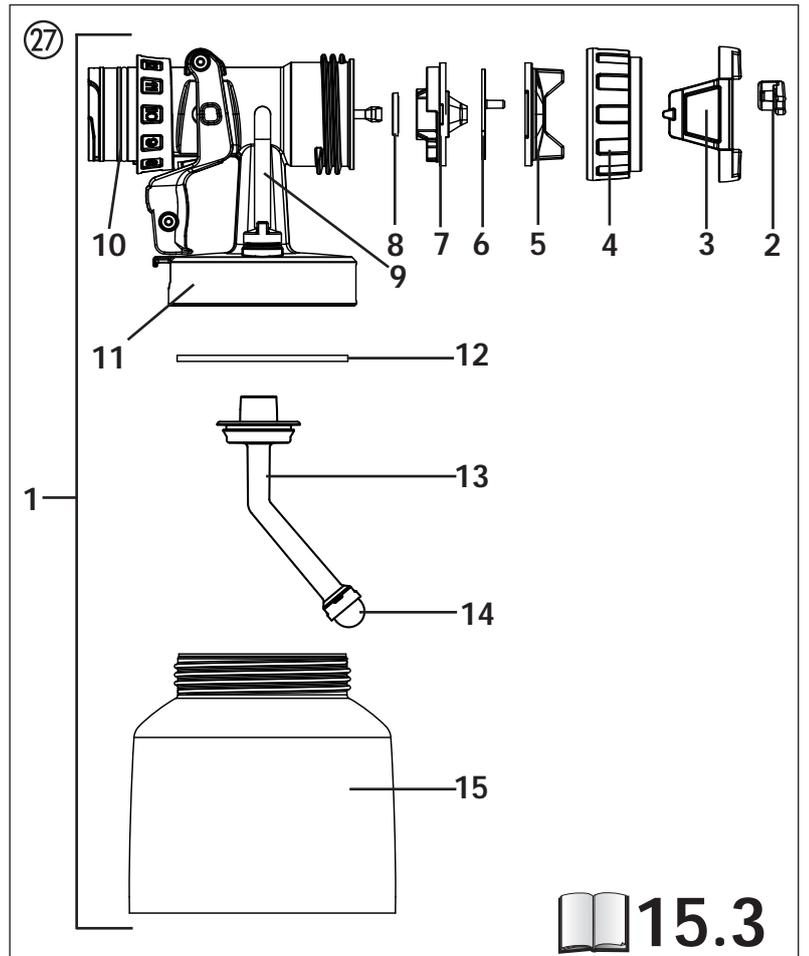
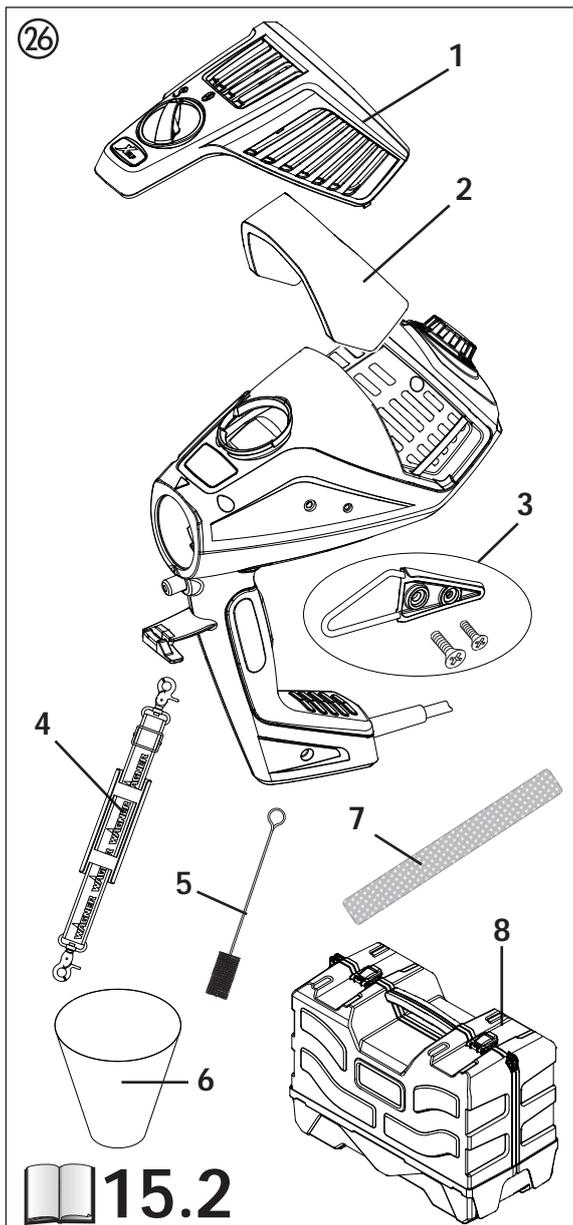
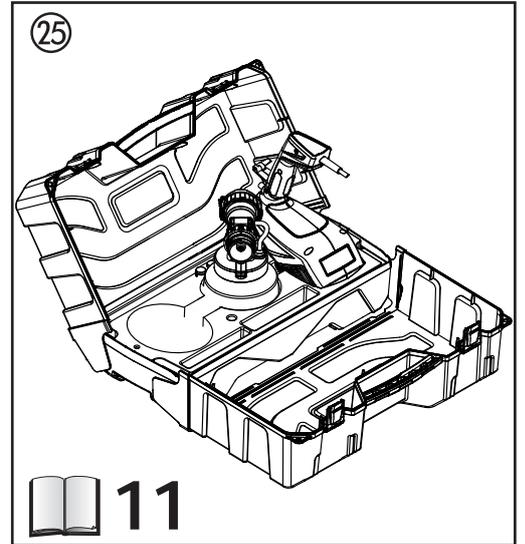
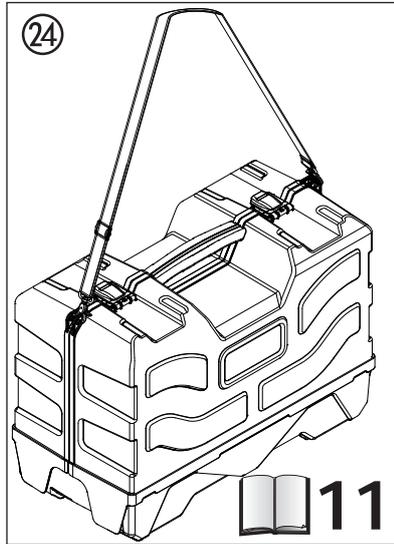
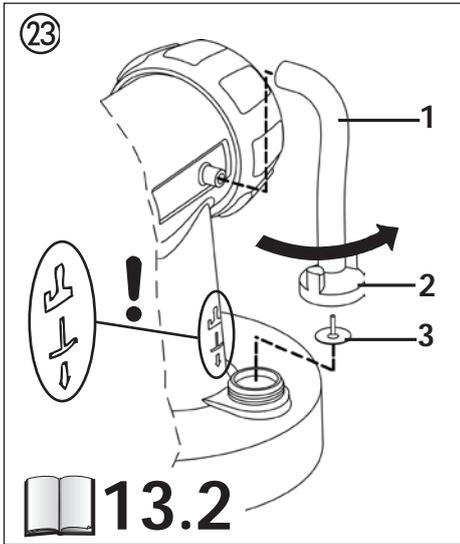
**WAGNER**





# FinishControl 3500

**WAGNER**



## Translation of the original operating instructions

### Contents

<b>1</b>	<b>SAFETY REGULATIONS</b>	<b>16</b>
<b>2</b>	<b>EXPLANATORY DIAGRAM</b>	<b>18</b>
<b>3</b>	<b>THE WAGNER CLICK&amp;PAINT SYSTEM</b>	<b>18</b>
3.1	Disassembly of the spray gun	18
<b>4</b>	<b>TECHNICAL DATA</b>	<b>19</b>
<b>5</b>	<b>INTRODUCTION TO SPRAYING USING THE XVLP PROCEDURE</b>	<b>19</b>
<b>6</b>	<b>COATING MATERIAL</b>	<b>19</b>
6.1	Coating Materials Suitable for Use	19
6.2	Coating Materials Not Suitable for Use	19
6.3	Coating materials that can only be processed with relevant spray attachment (accessories)	19
6.4	Preparing the coating material	19
<b>7</b>	<b>SETTING THE SPRAY GUN</b>	<b>20</b>
7.1	Setting the required spray pattern	20
7.2	Setting the amount of material	20
7.3	Setting the amount of air	20
7.4	Align the feed tube	20
<b>8</b>	<b>STARTING OPERATION</b>	<b>20</b>
<b>9</b>	<b>SPRAYING TECHNIQUE</b>	<b>21</b>
<b>10</b>	<b>BREAKS IN WORK</b>	<b>21</b>
<b>11</b>	<b>TRANSPORTATION</b>	<b>21</b>
<b>12</b>	<b>TAKING OUT OF OPERATION AND CLEANING</b>	<b>21</b>
12.1	Assembly	22
<b>13</b>	<b>MAINTENANCE</b>	<b>22</b>
13.1	Air filter	22
13.2	Air relief valve	22
<b>14</b>	<b>CORRECTION OF MALFUNCTIONS</b>	<b>23</b>
<b>15</b>	<b>ACCESSORIES AND SPARE PARTS</b>	<b>24</b>
15.1	Accessories	24
15.2	Spare parts FinishControl	25
15.3	Spare Parts StandardSpray spray attachment	25
	Testing of the unit	26
	Note on disposal	26
	Important information on product liability	26
	Guarantee declaration	26
	CE - declaration	124
	European service network	126

### Explanation of symbols used

	This symbol indicates a potential danger for you or for the device. Under this symbol you can find important information on how to avoid injuries and damage to the device.
	Indicates tips for use and other particularly useful information.
	Refers to the corresponding chapter in the operating manual and the information presented there relating to the illustration.
	Wide spray jet setting
	Narrow spray jet setting

## 1 SAFETY REGULATIONS

All local safety regulations in force must be observed.

Read the operating instructions carefully and follow the instructions laid down in them in order to avoid risks.

### 1. Safety at the workplace

- a) **Keep your workplace clean and well lit.**  
*Disorder or unlit workplaces may result in accidents.*
- b) **Never use the tool in hazardous areas that contain inflammable liquids, gases or dusts.** *Power tools generate sparks that can ignite the dust or vapors.*
- c) **Keep children and other persons away when using the power tool.** *You can lose control of the tool if you are distracted.*

### 2. Electrical Safety

- a) **The tool plug must fit into the socket. The plug may not be modified in any form. Do not use adaptor plugs together with protective-earthed tools.**  
*Unmodified plugs and suitable sockets reduce the risk of an electric shock.*
- b) **Avoid physical contact with earthed surfaces such as pipes, heating elements, stoves and refrigerators.**  
*The risk through electric shock increases if your body is earthed.*
- c) **Keep the equipment away from rain and moisture.**  
*The risk of an electric shock increases if water penetrates electrical equipment.*
- d) **Do not misuse the mains lead by carrying the tool by the lead, hanging it from the lead or by pulling on the lead to remove the plug. Keep the lead away from heat, oil, sharp edges or moving tool parts.**  
*Damaged or twisted leads increase the risk of an electric shock.*
- e) **If you work outdoors with a power tool, only use extension cables suitable for outdoor use.** *The use of an extension lead that is suitable for outdoors reduces the risk of an electric shock.*
- f) **If you cannot avoid using the tool in a damp environment, use a residual current operated circuit-breaker.** *Using a residual current operated circuit-breaker avoids the risk of electric shock.*

### 3. Safety of Persons

- a) **Be attentive. Pay attention to what you are doing and work sensibly with a power tool. Do not use the tool if you are tired or under the influence of drugs, alcohol or medication.** *Just a moment of inattentiveness while using the tool can lead to serious injuries.*

b) **Wear personal safety equipment and always wear safety goggles.** *Wearing personal protective equipment, such as dust mask, non-slip safety shoes, safety helmet or ear protection, depending on the type of power tools, reduces the risk of injury.*

c) **Avoid accidental starting-up. Ensure that the switch is in the "OFF" position before inserting the plug into the socket.** *Accidents can occur if you carry the power tool while your finger is on the switch or if you connect the power tool to the power supply which it is on.*

d) **Remove setting tools or wrenches before switching on the power tool.** *A tool or wrench that is in a rotating tool part can lead to injuries.*

e) **Avoid an unnatural posture.** *This ensures that you can control the tool better in unexpected situations.*

f) **Wear suitable clothing. Do not wear wide clothing or jewelry. Keep your hair, clothes and gloves away from moving parts.** *Loose clothing, jewelry or long hair can be caught in moving parts.*

g) **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.** *Children should be supervised to ensure that they do not play with the appliance.*

### 4. Careful Handling and Use of Power Tools

- a) **Do not overload the tool. Use the power tool designed for the work that you are doing.** *You work better and safer in the specified performance range if you use the suitable power tool.*
- b) **Do not use power tools whose switch is defective.** *A power tool that cannot be switched on or off is dangerous and has to be repaired.*
- c) **Remove the plug from the socket before carrying out tool settings, changing accessories or putting the tool away.** *This precautionary measure prevents unintentional starting of the tool.*
- d) **Store unused power tools so that they are inaccessible to children. Do not let persons use the tool who are not familiar with it or who have not read these instructions.** *Power tools are dangerous when they are used by inexperienced persons.*
- e) **Take proper care of your tools. Check whether the moving parts function trouble-free and do not jam, whether parts are broken or damaged so that the tool function is impaired.** *Have damaged parts repaired before using the tool. Many accidents have their origin in power tools that have been maintained badly.*
- f) **Use the power tool, accessories, insert tools, etc. in accordance with these instructions and in a fashion specified for this special tool type. Take the working conditions and the activity to be carried out into consideration.** *The use of power tools for purposes other than the intended ones can lead to dangerous situations.*

## 5. Service

- a) Have your tool repaired only by qualified specialist personnel and only with original spare parts. *This ensures that the tool safety is maintained.*
- b) If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a safety hazard.

## Safety instructions for colour application devices

### 1. Risks of Fire and Explosion

When spraying flammable coatings vapours from paint and solvents can cause flammable gases to be produced in the work area (hazard area).

Risk of fire and explosion due to ignition sources in this danger zone.

The electrically operated spray device contains potential ignition sources (spark formation when switching the motor on and off, when inserting and removing the power plug, due to potential static electricity at the spray gun)

-> Device must not be used at operating sites that fall under the explosion protection ordinance.

-> Do not use combustible coating substances and cleaning agents -> observe product data sheets!

-> Always seal paint or solvent containers tightly in the vicinity of the device.

-> When cleaning devices with flammable solvents, disconnect the device from the mains and clean thoroughly with a brush and cloth. Before starting the device up again, ensure that all traces of solvents are removed thoroughly. Allow the cleaned parts to dry completely.

### 2. Warning: Danger of injury!

Never point spray gun at yourself, other persons or animals.

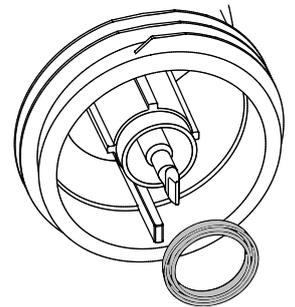
### 3. When spraying paint wear a suitable respirator.

The user should be supplied with a breathing mask. In order to avoid occupational diseases, the working instructions provided by the manufacturer of the materials, solvents and cleaning agents used must be complied with during preparation, working with and cleaning the equipment. Protective clothing, gloves and, if necessary, protective skin cream is required to protect the skin.

4. **Warning:** When working with the paint spraying system both indoors and outdoors, ensure that no solvent-based vapours can form within the area of the paint spraying system. When working in closed places a sufficient ventilation must be ensured to remove the solvent vapours.

5. **Warning:** The device is not splash proof. It should not be used, neither outdoors in the rain nor be sprayed with water nor immersed in liquid. Do not use the device in damp or wet environments.

6. **Attention!** Never operate the device if the nozzle seal is missing, damaged or incorrectly mounted. If the nozzle seal is either missing, damaged or incorrectly mounted liquids can enter the device and increase the risk of an electric shock. Check the nozzle seal before each use.



7. The units may only be used with a functional valve. If paints rises in the ventilating hose (Fig. 1, item 19) do not operate the unit further! Dismantle and clean the ventilating hose, valve and diaphragm and replace the diaphragm if necessary.

8. Do not lay the filled spray gun down.

9. Extraction systems should be installed on-site according to the local regulations.

10. The object to be coated must be earthed.

11. Caution against dangers that can arise from the sprayed substance and observe the text and information on the containers or the specifications given by the substance manufacturer.

12. Do not spray any liquid of unknown hazard potential.

13. Before dismantling the spray attachment, relieve pressure by opening the container.

14. **Before working on the device, remove the power plug from the socket.**

15. Work or repairs on the electrical equipment should only be carried out by a professional electrician, even if there are instructions regarding such work in the operating instructions. No liability will be accepted for improper installation.

## 2 EXPLANATORY DIAGRAM (FIG. 1)

POS.	DESIGNATION	POS.	DESIGNATION
1	Nozzle	15	Container
2	Air cap	16	Suction tube
3	Spray jet width adjusting lever (shaping air)	17	Container seal
4	Spray jet level adjusting ring (vertical/horizontal)	18	Valve
5	Union nut	19	Ventilating hose
6	Spray attachment complete	20	Cleaning brush
7	Material volume regulation	21	Fine feed tube filter (red) Coarse feed tube filter (white)
8	Fixture for shoulder strap	22	Funnel (3 pcs.)
9	Air filter cover lock	23	Replacement air filter (3 pcs.)
10	Air filter cover	24	Carrying strap (for device and transport case)
11	Air volume control	25	Transport case
12	Power cable	26	Velcro to secure the power cable
13	Click&Paint catch		
14	Trigger (actuates turbine starting switch → material is conveyed)		

## 3 THE WAGNER CLICK&PAINT SYSTEM

With the Wagner Click&Paint System, the front part of the gun (spray attachment) can be replaced quickly and easily. This enables a rapid material change without cleaning, and ensures that the right tool is available for every material and application.

The following spray attachments are available:

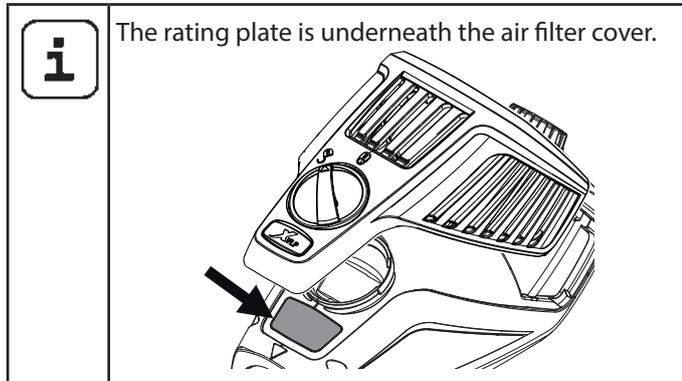
Spray attachment	Area of application
StandardSpray (yellow) Order No. 2321 879	Spray attachment with slit nozzle and 1000 ml stainless steel container. Processes all standard paints.
FineSpray (brown) Order No. 2321 877	Spray attachment with round nozzle and 1000 ml stainless steel container. Ideal for low-viscosity paints and glazes.
WallSpray (white) Order No. 2321 880	Dispersion spray attachment with slit nozzle and 1400 ml plastic container. Designed for processing dispersions and latex paint.

### 3.1 DISASSEMBLY OF THE SPRAY GUN

For assembly, insert the spray attachment into the FC 3500 so that the two arrows point at each other. Turn the FC 3500 90° in the arrow direction until it audibly engages. (Fig. 2)

To remove the spray attachment, push the catch (Fig. 2, A) beneath the trigger down and turn the spray attachment by 90°.

## 4 TECHNICAL DATA



Voltage:	230 V~, 50 Hz
Power consumption:	700 W
Atomizing output:	220 W
Container volume:	1000 ml
Power cable:	4 m
Protection class:	I
Sound pressure level:*	74 dB (A)
Uncertainty K:	4 dB (A)
Sound pressure output:*	87 dB (A)
Uncertainty K:	4 dB (A)
Oscillation level:	<2.5 m/s <sup>2</sup>
Uncertainty K:	1.5 m/s <sup>2</sup>
Weight (motor-operated blower and spray gun):	2.3 kg

\* The acoustic emission value was ascertained in accordance with EN 50144-2-7:2000

## 5 INTRODUCTION TO SPRAYING USING THE XVLP PROCEDURE

XVLP (Extra Volume Low Pressure) is a low pressure spraying technique, which works with a high volume of air and a low air pressure. The greatest advantage of this spraying technique is the low paint mist formation. This reduces the amount required to cover the object to a minimum.

As opposed to conventional application of coatings, this method achieves a highly economical and perfect surface quality and is, at the same time, environmentally friendly.

### Function description

The paint spraying system consists of a motor-operated turbo-blower, which provides the spray gun with atomisation air. In the spray gun, a part of the atomisation air is used to pressurise the container. This pressure causes the coating material to be fed through the uptake pipe to the nozzle where it is

atomised by the rest of the atomisation air. All settings necessary for operation (e.g. material volume) can be conveniently made, directly on the gun.

### Field of application

The FC 3500 is designed for smaller to medium-sized projects, i.e. for surfaces of a **maximum of 50 m<sup>2</sup>**.

## 6 COATING MATERIAL

### 6.1 COATING MATERIALS SUITABLE FOR USE

Solvent-based and water-soluble lacquer paints  
Mordants, glazes, impregnations, oils, clear varnishes, synthetic enamels, coloured paints, alkyd resin varnishes, primers, radiator paints, hammer effect enamels, anti-rust paints, special-effect paints, textured paints

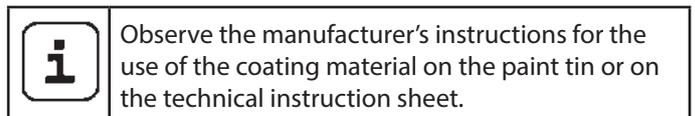
### 6.2 COATING MATERIALS NOT SUITABLE FOR USE

Materials that contain highly abrasive components, facade paint, caustic solutions and acidic coating substances.  
Flammable materials.

### 6.3 COATING MATERIALS THAT CAN ONLY BE PROCESSED WITH RELEVANT SPRAY ATTACHMENT (ACCESSORIES)

Interior wall paint (dispersions and latex paint)

### 6.4 PREPARING THE COATING MATERIAL



### Coating material purity:

An absolute pre-condition for the trouble-free operation of the fine-spray system is that the coating material is uncontaminated. If you have doubts as to the purity of the coating material, we recommend that you first filter it through a fine sieve.

### Processing the coating material with the StandardSpray spray attachment (yellow)

Coating Material	Processing	Comments
Solvent-based lacquer paints	observe manufacturer's instructions	
Water-soluble lacquer paints	observe manufacturer's instructions	

Mordants, glazes, impregnations, oils	undiluted	FineSpray spray attachment (brown) recommended
Clear varnishes, synthetic enamels, coloured paints, alkyd resin varnishes	observe manufacturer's instructions	
Primers, radiator paints, hammer effect enamels	observe manufacturer's instructions	
Anti-rust paints, special-effect paints	observe manufacturer's instructions	
Multicolor paints, textured paints	observe manufacturer's instructions	WallSpray spray attachment (white) recommended

## 7 SETTING THE SPRAY GUN

### 7.1 SETTING THE REQUIRED SPRAY PATTERN

	<b>Attention:</b> Never pull trigger while adjusting the air cap settings.
--	---

The alignment of the spray jet can be determined by turning the black adjusting ring (Fig. 3, 1).

**A horizontal at jet** → for vertical surfaces

**B vertical at jet** → for horizontal surfaces

It is also possible to switch between a wide (▷) and a compact (▷) spray jet with the adjusting lever (Fig. 4, 1).

### 7.2 SETTING THE AMOUNT OF MATERIAL (FIG. 5)

The material volume can be adjusted incrementally from 1 (minimum) to 12 (maximum) by turning the material volume control (Fig. 5, 1).

### 7.3 SETTING THE AMOUNT OF AIR (FIG. 6)

Turn the air volume control (Fig. 6, 1) clockwise to increase the air volume or anti-clockwise to reduce the air volume (note arrow on body of gun).

	Setting the air and paint flow rate correctly is important for atomisation, overspray and working speed.
--	--

### 7.4 ALIGN THE FEED TUBE

If the feed tube is positioned correctly, the container contents can be sprayed without almost any residue.

When working on lying objects:

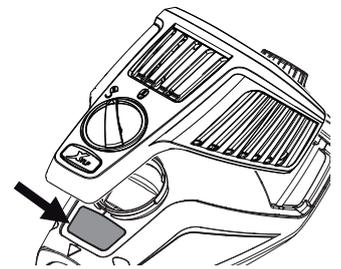
Turn the feed tube forwards. (Fig. 7 A)

Spraying work when working on overhead objects:

Turn the feed tube rearwards. (Fig. 7 B)

## 8 STARTING OPERATION

Before connecting to the mains supply make sure that the mains voltage corresponds to the operating voltage on the rating plate. The unit must be connected with a properly earthed shock-proof socket.



1. Unscrew the container from the spray attachment.
2. Pour in the prepared coating material.

	Fill the container with maximum 1000 ml.	1000ml →	
--	--	----------	--

3. Fit the appropriate filter to the feed tube depending on the coating material used (Fig. 9, 1)

Low-viscosity coating materials → Fine filter (red)

Viscous coating materials → Coarse filter (white)

4. Align the feed tube. (Fig. 7)
5. Screw the container firmly onto the spray attachment.
6. Connect spray attachment and FC 3500. (Fig. 2)

	When working with the FC 3500 we recommend using the supplied carrying strap. This enables the weight of the FC 3500 to be better distributed and the work can be carried out with less effort.
--	---

7. Both carabiner locks on the carrying strap have to be secured to the fixture. (Fig. 8)

	The fixture for the carrying strap can be mounted to the other side of the FC 3500 if this is preferred. Do this by unscrewing the two large screws (fig. 8, 1). Mount the fixture to the other side by inserting the screws into the relevant holes. <b>Please make sure that you use only the screws that have been provided. Screws of the wrong length or diameter can damage the device. Never tighten the screws without the fixture.</b>
--	---

8. Plug in the power cable.
9. The device is now ready for operation.

## 9 SPRAYING TECHNIQUE

**i** The FC 3500 has a trigger with 2 pressure points. The turbine is started via the first pressure point. If the trigger is pressed further, the material is transported.

Operate trigger on the spray gun.

Test spray a piece of cardboard to ensure correct setting of the spray pattern, spray jet width, material and air volume.

Hold the paint spray gun upright and maintain a constant distance of about 3 - 20 cm to the object being sprayed. (Fig. 10)

Move the paint spray gun evenly either from side to side or up and down. If the gun is moved evenly, it will produce an even surface finish.

Always start spraying away from the object and avoid stopping spraying whilst still on the object.

In case of excessive paint mist formation, adjust the air and material flow respectively and alter the distance from the object.

## 10 BREAKS IN WORK

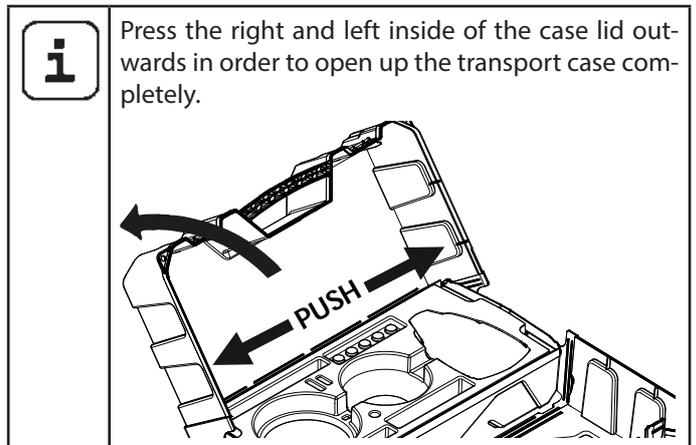
1. Unplug the power plug.
2. During longer breaks, vent the container by briefly opening and then closing it again.
3. Clean nozzle openings after an interruption in operation.

**i** In using quick-drying or two-component coating materials, do not fail to rinse unit through with a suitable cleaning agent during the processing period.

## 11 TRANSPORTATION

**!** **ATTENTION!** Full containers have to be closed tightly when transported in the case. Do not lie the case on its side if it contains full containers of paint.

1. Detach the carrying strap from the device and secure it to the case (fig. 24).
2. Put the FC 3500 and accessories inside the case as shown in fig. 25 and secure with elastic straps.



## 12 TAKING OUT OF OPERATION AND CLEANING

**i** In order to ensure smooth operations, the FC 3500 has to be cleaned thoroughly every day.

1. Divide the spray gun. Press catch (Fig. 2, A) down slightly. Twist the spray attachment and turbine in a counter movement to disconnect them from each other.

**!** **ATTENTION!** Never hold the spray gun rear part under water or immerse it into liquids. Clean the housing only with a moistened cloth.

2. Unscrew the container. Empty the remaining coating material into the original container.
3. Pre-clean the container and feed tube using a brush and suitable cleaning agent. Clean the ventilating bore. (Fig. 9, 2)
4. Fill the container with a **non-flammable** solvent or water. Screw the container back on. **Do not spray amammable materials for cleaning purposes.**

**!** **When cleaning devices with amammable solvents, disconnect the device from the mains and clean thoroughly with a brush and cloth. Before starting the device up again, ensure that all traces of solvents are removed thoroughly. Allow the cleaned parts to dry completely.**

5. Connect spray attachment and gun handle. (Fig. 2)
6. Pull the trigger to rinse the spray attachment. Repeat the above procedure until the solvent or water emerging from the nozzle is clear.
7. Turn off the machine and divide the spray gun.
8. Screw off the container and empty it. Unscrew feed tube with container seal. (Fig. 11)
9. Clean feed tube and suction nozzle in spray attachment

with cleaning brush. (Fig. 12)

	<b>CAUTION!</b> Never clean seals, diaphragm and nozzle or air holes of the spray gun with metal objects. The ventilation hose and diaphragm are only solvent-resistant to a limited extent. Do not immerse in solvent, only wipe.
--	--

- Remove the adjusting ring (fig. 13,1) carefully from the union nut (2). Unscrew union nut (2), remove air cap (3), nozzle (4) and nozzle seal (5).

Thoroughly clean all parts.

	Take special care when cleaning the interstices on the needle (Fig. 14)
--	---

- Clean the outside of the container with a cloth soaked in solvent or water.
- Assemble the parts again (see "Assembly").

### 12.1 ASSEMBLY

	<b>ATTENTION!</b> Follow the steps described below exactly for assembly. Otherwise the spray attachment may be damaged.
--	---

	<b>ATTENTION!</b> Never operate the device if the nozzle seal is missing, damaged or incorrectly mounted. If the nozzle seal is either missing, damaged or incorrectly mounted liquids can enter the device and increase the risk of an electric shock.
--	---

- Push nozzle seal onto the needle so that the groove (slot) points away from the spray attachment. (Fig. 15)
- Place nozzle on the needle with recess downwards. **Attention: Position of needle must be congruent with the nozzle aperture. (Fig. 16)**
- Place air cap on nozzle (pay attention to recesses in the air cap). (Fig. 17)
- Screw on union nut. (Fig. 18)
- Snap the adjusting ring into the union nut. (Fig. 19)  
Make sure that the two recesses on the adjusting ring are engaged in the air cap clamps and that the lever for adjusting the spray jet width is located on the pin.
- Place the container seal from below on the feed tube and slide it over the collar, while turning the container seal slightly.
- Screw the feed tube with the container seal into the body of the gun.

	In order to mount the gun more easily apply lubricating grease (enclosed) liberally to the O-ring at the spray attachment (Fig. 20).
--	--

## 13 MAINTENANCE

### 13.1 AIR FILTER

	<b>Attention!</b> Never operate the device with the air filter soiled or missing, as dirt could be sucked up and affect the operation of the device. <b>Always check the air filter before starting work.</b>
---	--

- Unplug the power plug.
- Release the air filter compartment  (fig. 21) and remove.
- Clean (blow out) or replace the air filter (Fig. 22,1) depending on the degree of soiling.
- Push the clean air filter underneath the fixtures (fig. 22, 2) on the left and right-hand sides (pay attention to the shape of the air filter and compartment).
- Reattach the cover of the air filter compartment and lock .

### 13.2 AIR RELIEF VALVE

	If paint has entered the ventilation hose, proceed as follows:
---	--

- Pull the ventilating hose (Fig. 23, 1) at the top from the gun body. Screw off the valve cover (2). Remove the diaphragm (3). Clean all the parts carefully.

	<b>CAUTION!</b> The ventilation hose and diaphragm are only solvent-resistant to a limited extent. Do not immerse in solvent, only wipe.
---	--

- Place the diaphragm in the valve cover with the pin facing forward (Also see the marking on the gun body).
- Turn the body of the gun upside down and screw on the valve cover from underneath.
- Place the ventilating hose on the valve cover and on the nipple at the gun body.



## Warning

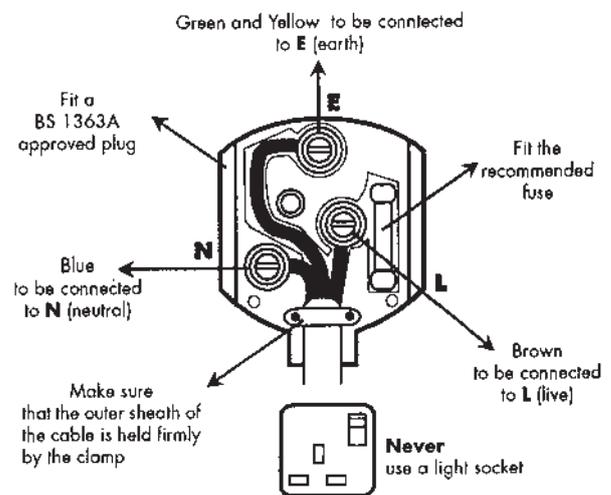
If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

The wires in this mains lead are coloured in accordance with the following code:

**green/yellow = earth**  
**blue = neutral**                      **brown = live**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or green and yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured brown.
- Should the moulded plug have to be replaced, never re-use the defective plug or attempt to plug it into a different 13 A socket. This could result in an electric shock.
- Should it be necessary to exchange the fuse in the plug only use fuses approved by ASTA in accordance with BS 1362. Only 13 Amp fuses may be used.
- To ensure that the fuse and fuse carrier are correctly mounted please observe the provided markings or colour coding in the plug.
- After changing the fuse, always make sure that the fuse carrier is correctly inserted. With out the fuse carrier, it is not permissible to use the plug.
- The correct fuses and fuse carriers are available from your local electrical supplies stockist.



## 14 CORRECTION OF MALFUNCTIONS

MALFUNCTION	CAUSE	REMEDY
The unit will not start	<ul style="list-style-type: none"> <li>• No mains voltage</li> </ul>	<ul style="list-style-type: none"> <li>• Check</li> </ul>
No coating material emerges from the nozzle	<ul style="list-style-type: none"> <li>• Nozzle clogged</li> <li>• Material volume setting too low</li> <li>• Paint container seal damaged</li> <li>• No pressure build-up in container</li> <li>• Container empty</li> <li>• Ventilation hose loose/damaged</li> <li>• Feed tube loose</li> <li>• Feed tube / feed tube filter clogged</li> <li>• Air vent on feed tube blocked</li> <li>• Diaphragm stuck</li> <li>• The diaphragm is positioned the wrong way round.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean</li> <li>• Increase volume</li> <li>• Replace</li> <li>• Tighten container</li> <li>• Refill</li> <li>• Insert or replace</li> <li>• Insert</li> <li>• Clean or use another filter</li> <li>• Clean</li> <li>• Remove and clean (see section 13.2)</li> <li>• Position the diaphragm correctly (see section 13.2)</li> </ul>
Coating material drips from the nozzle	<ul style="list-style-type: none"> <li>• Air cap, nozzle or needle soiled</li> <li>• Spray attachment incorrectly assembled</li> <li>• Nozzle loose</li> <li>• Nozzle seal is missing or worn</li> <li>• Nozzle worn</li> <li>• Needle worn</li> </ul>	<ul style="list-style-type: none"> <li>• Clean</li> <li>• Assemble correctly (see section 12.1)</li> <li>• Tighten Union nut</li> <li>• Insert an intact nozzle seal</li> <li>• Change</li> <li>• Use new spray attachment</li> </ul>

MALFUNCTION	CAUSE	REMEDY
Atomisation too coarse	<ul style="list-style-type: none"> <li>• Material volume too large</li> <li>• Nozzle contaminated</li> <li>• Viscosity of coating material too high</li> <li>• Too little pressure build-up in container</li> <li>• Air filter heavily soiled</li> <li>• Amount of air too low</li> <li>• Air hose damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce volume</li> <li>• Clean</li> <li>• Dilute further</li> <li>• Tighten container</li> <li>• Change (see section 13.1)</li> <li>• Increase volume</li> <li>• Check and replace if necessary</li> </ul>
Spray jet pulsates	<ul style="list-style-type: none"> <li>• Coating material in container running out</li> <li>• Nozzle seal is missing or worn</li> <li>• Air filter heavily soiled</li> <li>• Feed tube loose</li> <li>• Feed tube / feed tube filter clogged</li> </ul>	<ul style="list-style-type: none"> <li>• Refill</li> <li>• Insert an intact nozzle seal</li> <li>• Change (see section 13.1)</li> <li>• Insert</li> <li>• Clean or use another filter</li> </ul>
The material runs down the object being painted	<ul style="list-style-type: none"> <li>• Too much coating material applied</li> <li>• Distance too small</li> <li>• Incorrect spray attachment</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce volume</li> <li>• Increase distance</li> <li>• Use another spray attachment</li> </ul>
Excessive paint mist (overspray)	<ul style="list-style-type: none"> <li>• Distance to the object too large</li> <li>• Too much coating material applied</li> <li>• Amount of air too high</li> <li>• Coating substance over-diluted</li> <li>• Incorrect spray attachment</li> <li>• Incorrect spraying technique</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce distance</li> <li>• Reduce volume</li> <li>• Reduce volume</li> <li>• Reduce degree of dilution</li> <li>• Use another spray attachment</li> <li>• For information about the correct spraying technique, please see chapter 9</li> </ul>
Paint in the ventilating hose	<ul style="list-style-type: none"> <li>• Diaphragm soiled</li> <li>• Diaphragm defective</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the diaphragm (see section 13.2)</li> <li>• Replace the diaphragm (see section 13.2)</li> </ul>

## 15 ACCESSORIES AND SPARE PARTS

### 15.1 ACCESSORIES

POS.	ORDER NO.	DESIGNATION
1	2321 879	StandardSpray spray attachment (yellow) (with 1000 ml container) Processes all standard paints.
2	2321 877	FineSpray spray attachment (brown) (with 1000 ml container) Ideal for low-viscosity paints and glazes.
3	2321 880	WallSpray spray attachment (white) (with 1400 ml container) Designed for processing dispersions.
4	2324 749	Container with cover (1400 ml)



The FC 3500 cannot be used with the heatable TempSpray spray attachment.

**15.2 SPARE PARTS FINISHCONTROL 3500 (FIG. 26)**

POS.	ORDER NO.	DESIGNATION
1	2343 946	Cover of air filter compartment
2	2343 947	Air filter (3 pcs.)
3	2343 948	Fixture for shoulder strap (incl. screws)
4	2341 187	Carrying strap
5	0514 209	Cleaning brush
6	2324 745	Funnel (3 pcs.)
7	2344 041	Velcro to secure the power cable
8	2341 100	Transport case

**15.3 SPARE PARTS STANDARDSPRAY SPRAY ATTACHMENT (YELLOW) (FIG. 27)**

POS.	ORDER NO.	DESIGNATION
1	2321 879	StandardSpray spray attachment (yellow) (with 1000 ml container)
2	2314 594	Spray jet width adjusting lever
3	2314 591	Spray jet adjustment ring
4	2332 577	Union nut (yellow)
5	2317 807	Air cap
6	2314 585	Air screen
7	2317 423	Nozzle (S 4.1)
8	2323 934	Nozzle seal
9	2304 027	Ventilating hose, valve cover, diaphragm
10	0417 308	O-ring of spray attachment
11	2324 250	Body of gun (including position 8-10)
12	2319 223	Container seal
13	2319 222	Feed tube
14	2324 248	Fine feed tube filter (red, 5 pc.)
	2324 249	Coarse feed tube filter (white, 5 pc.)
15	2322 451	Container with cover 1000 ml
	2315 539	Lubricating grease

## TESTING OF THE UNIT

For safety reasons, we would recommend having the device checked by an expert as required but at least every 12 months to ensure that it can continue to operate safely.

In the case of unused devices, the check can be postponed until they are next started up.

All (potentially deviating) national inspection and maintenance regulations must also be observed.

If you have any questions, please contact the customer service team at Wagner.

## IMPORTANT INFORMATION ON PRODUCT LIABILITY

An EU directive valid since 01.01.1990 specifies that the manufacturer is only liable for his products if all the parts originate from the manufacturer or are approved by him, and if the units are mounted and operated properly.

If accessories or spare parts from third parties are used, liability can be partially or completely inapplicable. In extreme cases the responsible authorities can prohibit the use of the entire unit (German industrial employer's liability insurance association and factory inspectorate).

With original WAGNER accessories and spare parts, compliance with all safety regulations is guaranteed.

## NOTE ON DISPOSAL

In observance of the European Directive 2002/96/EC on waste electrical and electronic equipment and implementation in accordance with national law, this product is not to be disposed of together with household waste material but must be recycled in an environmentally friendly way!



Wagner or one of our dealers will take back your used Wagner waste electrical or electronic equipment and will dispose of it for you in an environmentally friendly way. Please ask your local Wagner service centre or dealer for details or contact us direct.

## GUARANTEE DECLARATION

(Status 01.02.2009)

### 1. Scope of guarantee

All Wagner professional colour application devices (hereafter referred to as products) are carefully inspected, tested and are subject to strict checks under Wagner quality assurance. Wagner exclusively issues extended guarantees to commercial or professional users (hereafter referred to as "customer") who have purchased the product in an authorised specialist shop, and which relate to the products listed for that customer on the Internet under [www.wagner-group.com/profi-guarantee](http://www.wagner-group.com/profi-guarantee).

The buyer's claim for liability for defects from the purchase agreement with the seller as well as statutory rights are not impaired by this guarantee.

We provide a guarantee in that we decide whether to replace or repair the product or individual parts, or take the device back and reimburse the purchase price. The costs for materials and working hours are our responsibility. Replaced products or parts become our property.

### 2. Guarantee period and registration

The guarantee period amounts to 36 months. For industrial use or equal wear, such as shift operations in particular, or in the event of rentals it amounts to 12 months.

Systems driven by petrol or air are also guaranteed for a 12 month period.

The guarantee period begins with the day of delivery by the authorised specialist shop. The date on the original purchase document is authoritative.

For all products bought in authorised specialist shops from 01.02.2009 the guarantee period is extended to 24 months providing the buyer of these devices registers in accordance with the following conditions within 4 weeks of the day of delivery by the authorised specialist shop.

Registration can be completed on the Internet under [www.wagner-group.com/profi-guarantee](http://www.wagner-group.com/profi-guarantee).

The guarantee certificate is valid as confirmation, as is the original purchase document that carries the date of the purchase. Registration is only possible if the buyer is in agreement with having the data being stored that is entered during registration.

When services are carried out under guarantee the guarantee period for the product is neither extended nor renewed.

Once the guarantee period has expired, claims made against the guarantee or from the guarantee can no longer be enforced.

### 3. Handling

If defects can be seen in the materials, processing or performance of the device during the guarantee period, guarantee claims must be made immediately, or at the latest within a period of 2 weeks.

The authorised specialist shop that delivered the device is entitled to accept guarantee claims. Guarantee claims may also be made to the service centres named in our operating instructions. The product has to be sent without charge or presented together with the original purchase document that includes details of the purchase date and the name of the product. In order to claim for an extension to the guarantee, the guarantee certificate must be included.

The costs as well as the risk of loss or damage to the product in transit or by the centre that accepts the guarantee claims or who delivers the repaired product, are the responsibility of the customer.

### 4. Exclusion of guarantee

Guarantee claims cannot be considered

- for parts that are subject to wear and tear due to use or other natural wear and tear, as well as defects in the product that are a result of natural wear and tear, or wear and tear due to use. This includes in particular cables, valves, packaging, jets, cylinders, pistons, means-carrying housing components, filters, pipes, seals, rotors, stators, etc. Damage due to wear and tear that is caused in particular by sanded coating materials, such as dispersions, plaster, putty, adhesives, glazes, quartz foundation.
- in the event of errors in devices that are due to non-compliance with the operating instructions, unsuitable or unprofessional use, incorrect assembly and/or commissioning by the buyer or by a third party, or utilisation other than is intended, abnormal ambient conditions, unsuitable coating materials, unsuitable operating conditions, operation with the incorrect mains voltage supply/frequency, over-operation or defective servicing or care and/or cleaning.
- for errors in the device that have been caused by using accessory parts, additional components or spare parts that are not original Wagner parts.
- for products to which modifications or additions have been carried out.
- for products where the serial number has been removed or is illegible
- for products to which attempts at repairs have been carried out by unauthorised persons.
- for products with slight deviations from the target properties, which are negligible with regard to the value and usability of the device.
- for products that have been partially or fully taken apart.

### 5. Additional regulations.

The above guarantees apply exclusively to products that have been bought by authorised specialist shops in the EU, CIS, Australia and are used within the reference country.

If the check shows that the case is not a guarantee case, repairs are carried out at the expense of the buyer.

The above regulations manage the legal relationship to us concludingly. Additional claims, in particular for damages and losses of any type, which occur as a result of the product or its use, are excluded from the product liability act except with regard to the area of application.

Claims for liability for defects to the specialist trader remain unaffected.

German law applies to this guarantee. The contractual language is German. In the event that the meaning of the German and a foreign text of this guarantee deviate from one another, the meaning of the German text has priority.

J. Wagner GmbH  
Division Professional Finishing  
Otto Lilienthal Strasse 18  
88677 Markdorf  
Federal Republic of Germany

Subject to modifications

**CE** Konformitätserklärung

Hiermit erklären wir, daß die Bauart vom Airless Hochdruck-Spritzgerät, benzinbetrieben

**CE** Declaration of conformity

Herewith we declare that the supplied version of Airless high-pressure spraying unit, gas powered

**CE** Déclaration de conformité

Par la présente, nous déclarons, que le type de Groupe de projection à haute pression, à essence

**CE** Dichiarazione di conformità

Si dichiara che il modello Impianto per la verniciatura a spruzzo ad alta pressione Airless, azionato a benzina

J. Wagner GmbH Otto Lilienthal-Str.18 D-88677 Markdorf

**WAGNER FinishControl 3500**

folgenden einschlägigen Bestimmungen entspricht:

**2006/42/EG, 2004/108/EG, 2011/65/EG, 2002/96/EG**

Angewendete harmonisierte Normen, insbesondere:

**EN 60745-1:2009 + A11:2010, EN 50580:2012, EN 62233:2008, EN 55014-1:2006 + A1:2009 + A2:2011, EN 55014-2:1997 + Corrigendum 1997 + A1:2001 + A2:2008, EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008**

complies with the following provisions applying to it:

**2006/42/EC, 2004/108/EC, 2011/65/EC, 2002/96/EC**

Applied harmonized standards, in particular:

**EN 60745-1:2009 + A11:2010, EN 50580:2012, EN 62233:2008, EN 55014-1:2006 + A1:2009 + A2:2011, EN 55014-2:1997 + Corrigendum 1997 + A1:2001 + A2:2008, EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008**

correspond aux dispositions pertinentes suivantes:

**2006/42/CE, 2004/108/CE, 2011/65/CE, 2002/96/CE**

Normes harmonisées utilisées, notamment:

**2006/42/CE, 2004/108/CE, 2011/65/CE, 2002/96/CE**

é conforme alle seguenti disposizioni pertinenti:

**2006/42/CE, 2004/108/CE, 2011/65/CE, 2002/96/CE**

Norme armonizzate applicate, in particolare:

Markdorf, 11.12.2013  
Location, Date

*T. Jeltsch*  
i.V. Hr. T. Jeltsch (Mr.)  
Senior Vice President  
Global Product Strategy & Planning

Signature

*J. Ulbrich*  
i.V. Hr. J. Ulbrich (Mr.)  
Vice President Engineering

Dokumentationsverantwortlicher  
Responsible person for documents  
Responsable de la documentation  
Responsabile della documentazione