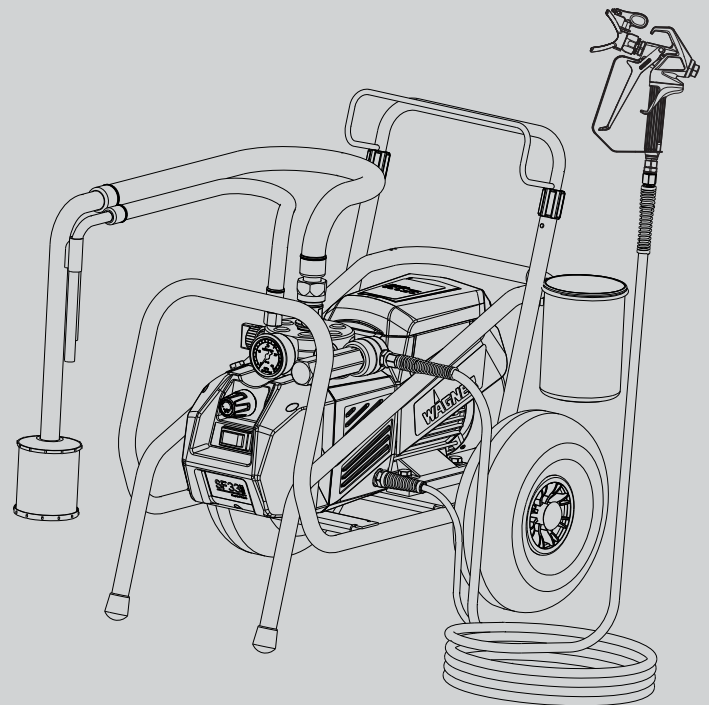
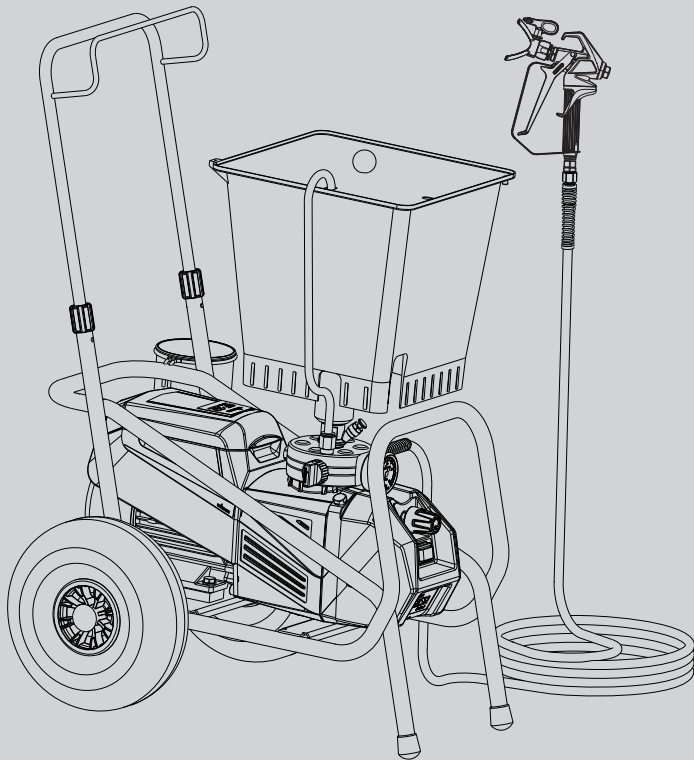


WAGNER



SUPER FINISH 33 PRO

ORIGINALBETRIEBSANLEITUNG

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1 SAFETY REGULATIONS FOR AIRLESS SPRAYING

All local safety regulations in force must be observed. The following sources are just a sample of those containing safety requirements for Airless spraying.


- a) The European Standard „Spray equipment for coating materials – safety regulations,, (EN 1953).

The following safety regulations are to be observed in order to ensure safe handling of the Airless high-pressure spraying unit.


1.1 FLASH POINT

 <p>Danger</p>	<p>Only spray coating materials with a flash point of 21 °C or higher. The flash point is the lowest temperature at which vapors develop from the coating material. These vapors are sufficient to form an inflammable mixture over the air above the coating material.</p>
---	---



1.2 EXPLOSION PROTECTION

 <p>Danger</p>	<p>Do not use the unit in work places which are covered by the explosion protection regulations. The unit is not designed to be explosion protected. Do not operate the device in explosive areas (zone 0, 1 and 2). Explosive areas are, for example, places where paints are stored and locations in direct proximity to the object being sprayed. Keep the device at least 3 m from the object you are spraying.</p>
---	---

1.3 DANGER OF EXPLOSION AND FIRE FROM SOURCES OF IGNITION DURING SPRAYING WORK

 <p>Danger</p>	<p>There must be no sources of ignition such as, for example, open fires, lit cigarettes, cigars or tobacco pipes, sparks, glowing wires, hot surfaces, etc. in the vicinity.</p>
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1.4 DANGER OF INJURY FROM THE SPRAY JET

 <p>Danger</p> 	<p>Attention, danger of injury by injection! Never point the spray gun at yourself, other persons or animals. Never use the spray gun without spray jet safety guard. The spray jet must not come into contact with any part of the body. In working with Airless spray guns, the high spray pressures arising can cause very dangerous injuries. If contact is made with the spray jet, coating material can be injected into the skin. Do not treat a spray injury as a harmless cut. In case of injury to the skin by coating material or solvents, consult a doctor for quick and correct treatment. Inform the doctor about the coating material or solvent used.</p>
--	--

1.5 SECURE SPRAY GUN AGAINST UNINTENDED OPERATION

Always secure the spray gun when mounting or dismounting the tip and in case of interruption to work.

1.6 RECOIL OF SPRAY GUN

 <p>Danger</p>	<p>When using a high operating pressure, pulling the trigger guard can effect a recoil force up to 15 N. If you are not prepared for this, your hand can be thrust backwards or your balance lost. This can lead to injury.</p>
--	---

1.7 BREATHING EQUIPMENT AS PROTECTION AGAINST SOLVENT VAPORS

Wear breathing equipment during spraying work. A breathing mask is to be made available to the user.

1.8 PREVENTION OF OCCUPATIONAL ILLNESSES


Protective clothing, gloves and possibly skin protection cream are necessary for the protection of the skin.

Observe the regulations of the manufacturer concerning coating materials, solvents and cleaning agents in preparation, processing and cleaning units.


1.9 MAX. OPERATING PRESSURE

The permissible operating pressure for the spray gun, spray gun accessories, unit accessories and high-pressure hose must not fall short of the maximum operating pressure of 25 MPa (250 bar or 3625 psi).


1.10 HIGH-PRESSURE HOSE

 Danger	<p>Attention, danger of injury by injection! Wear and tear and kinks as well as usage that is not appropriate to the purpose of the device can cause leakages to form in the high-pressure hose. Liquid can be injected into the skin through a leakage.</p>
--	--

- High-pressure hoses must be checked thoroughly before they are used.
- Replace any damaged high-pressure hose immediately.
- Never repair defective high-pressure hoses yourself!
- Avoid sharp bends and folds: the smallest bending radius is about 20 cm.
- Do **not drive over** the high-pressure hose. Protect against sharp objects and edges.
- Never pull on the high-pressure hose to move the device.
- Do not twist the high-pressure hose.
- Do not put the high-pressure hose into solvents. Use only a wet cloth to wipe down the outside of the hose.
- Lay the high-pressure hose in such a way as to ensure that it cannot be tripped over.

	<p>Only use WAGNER original-high-pressure hoses in order to ensure functionality, safety and durability.</p>
---	--

1.11 ELECTROSTATIC CHARGING (FORMATION OF SPARKS OR FLAMES)

 Danger	<p>Electrostatic charging of the unit may occur during spraying due to the flow speed of the coating material. These can cause sparks and flames upon discharge. The unit must therefore always be earthed via the electrical system. The unit must be connected to an appropriately-grounded safety outlet.</p>
--	--

An electrostatic charging of spray guns and the high-pressure hose is discharged through the high-pressure hose. For this reason the electric resistance between the connections of the high-pressure hose must be equal to or lower than 1 MΩ.

1.12 USE OF UNITS ON BUILDING SITES AND WORKSHOPS

The unit may only be connected to the mains network via a special feeding point with a residual-current device with INF ≤ 30 mA. An upstream circuit breaker (fuse) with 16 A (B or C characteristics) is required.

1.13 VENTILATION WHEN SPRAYING IN ROOMS

Adequate ventilation to ensure removal of the solvent vapors has to be ensured.


1.14 SUCTION INSTALLATIONS

They are to be provided by the unit user in accordance with the corresponding local regulations.


1.15 EARTHING OF THE OBJECT

The object to be coated must be earthed.
(Building walls are usually earthed naturally)

1.16 CLEANING THE UNIT WITH SOLVENTS

 Danger	<p>When cleaning the unit with solvents, the solvent should never be sprayed or pumped back into a container with a small opening (bunghole). An explosive gas/air mixture can arise. Only use an earthed container made from metal.</p>
--	--

1.17 CLEANING THE UNIT

 Danger	<p>Danger of short-circuits caused by water ingress! Never spray down the unit with high-pressure or high-pressure steam cleaners.</p>
--	--

1.18 WORK OR REPAIRS AT THE ELECTRICAL EQUIPMENT

These may only be carried out by a skilled electrician. No liability is assumed for incorrect installation.

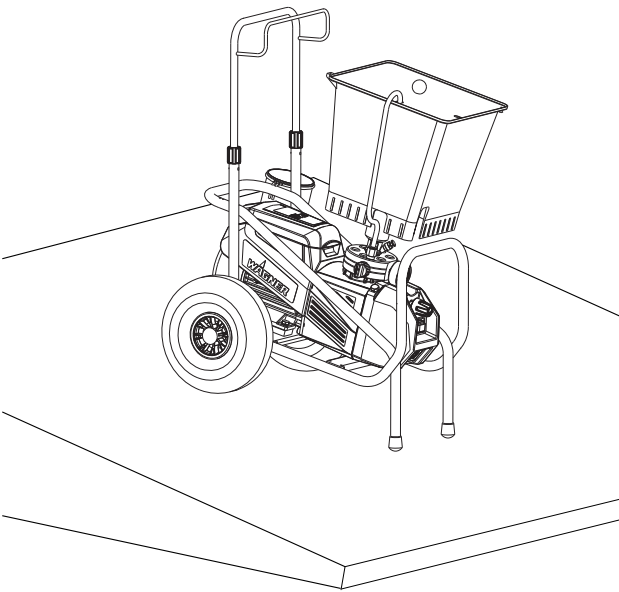
1.19 WORK AT ELECTRICAL COMPONENTS

Unplug the power plug from the outlet before carrying out any repair work.

1.20 SETUP ON AN UNEVEN SURFACE

The front end must always point downwards in order to avoid sliding away.

If possible do not use the unit on an inclined surface since the unit tends to wander through the resulting vibrations.



2 GENERAL VIEW OF APPLICATION

2.1 APPLICATION

Super Finish 33 Pro is an electric driven unit for the airless atomization of different painting materials. Also it is able to feed the internal feeded paint roller, which is available as accessory. Super Finish 33 Pro is made for jobs in the workshop and on the building site.

The device output of the Super Finish 33 Pro is designed so that it can be used to process dispersions for small and large objects, as well as for corrosion and flame protection.

When painting, the device is suitable for all kinds of typical painting jobs, e.g.:

doors, door frames, balustrades, woodencladding, fences, radiators (heating) and steel parts.

We recommend using the top container for paintwork.

2.2 COATING MATERIAL

Dilutable lacquers and paints or those containing solvents, two-component coating materials, dispersions, latex paints, façade paints, roof and attic coatings, fire and corrosion protection material.

No other materials should be used for spraying without WAGNER's approval.



Pay attention to the Airless quality of the coating materials to be processed.

The unit is able to process coating materials with up to 25,000 mPas. If highly viscous coating materials cannot be taken in or the performance of the unit is too low, the paint must be diluted in accordance with the manufacturer's instructions.



Attention: Make sure, when stirring up with motor-driven agitators that no air bubbles are stirred in. Air bubbles disturb when spraying and can, in fact, lead to interruption of operation.

2.2.1 COATING MATERIALS WITH SHARP-EDGED ADDITIONAL MATERIALS

These particles have a strong wear and tear effect on valves and tips, but also on the heating hose and spray gun. This impairs the durability of these wearing parts considerably.

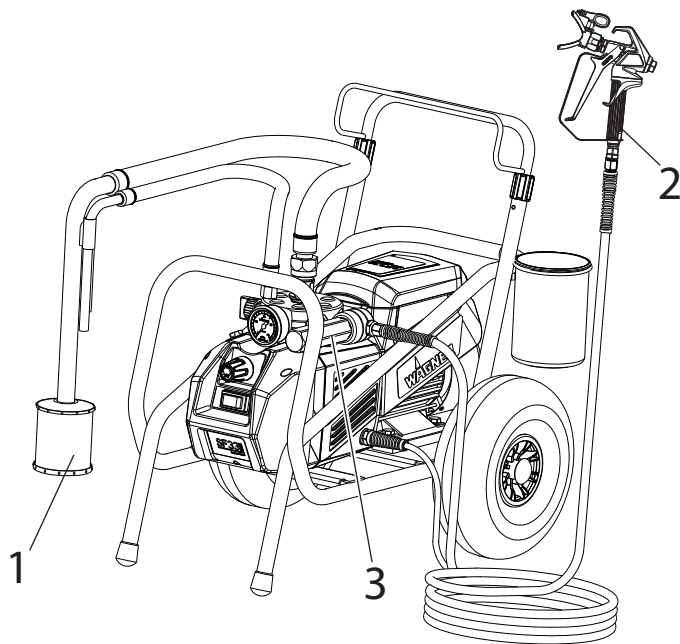
2.2.2 TWO-COMPONENT COATING MATERIAL

The appropriate processing time must be adhered to exactly. Within this time rinse through and clean the unit meticulously with the appropriate cleaning materials.

2.2.3 FILTERING

Sufficient filtering is required for fault-free operation. To this purpose the unit is equipped with a suction filter (Item 1) and an insertion filter in the spray gun (Item 2). Regular inspection of these filters for damage or soiling is urgently recommended.

A high-pressure filter (Item 3) -available as accessory- is rising up the filtering surface and will make the work more comfortable.



3. DESCRIPTION OF UNIT

3.1 AIRLESS PROCESS

The main area of application are thick layers of highly viscous coating material.

At the Super Finish 33 Pro unit a diaphragm pump takes in the coating materials and transports it via a high-pressure hose to the spray gun with the airless tip. Here the coating material atomizes since it is pressed through the tip core at a maximum pressure of 25 MPa (250 bar, 3625 psi). This high pressure has the effect of micro fine atomisation of the coating material. As no air is used in this process, it is described as an AIRLESS process.

This method of spraying has the advantages of finest atomisation, cloudless operation (depending of a correct unit adjustment) and a smooth, bubblefree surface. As well as these, the advantages of the speed of work and convenience must be mentioned.

3.2 FUNCTIONING OF THE UNIT

The following section contains a brief description of the technical construction for better understanding of the function:

Super Finish 33 Pro is an electrically driven high-pressure paint spraying equipment.

The electric motor drives the hydraulic pump via planetary gears (1). A piston (2) is moved up and down so that hydraulic oil is moved under the diaphragm (3) which then moves.

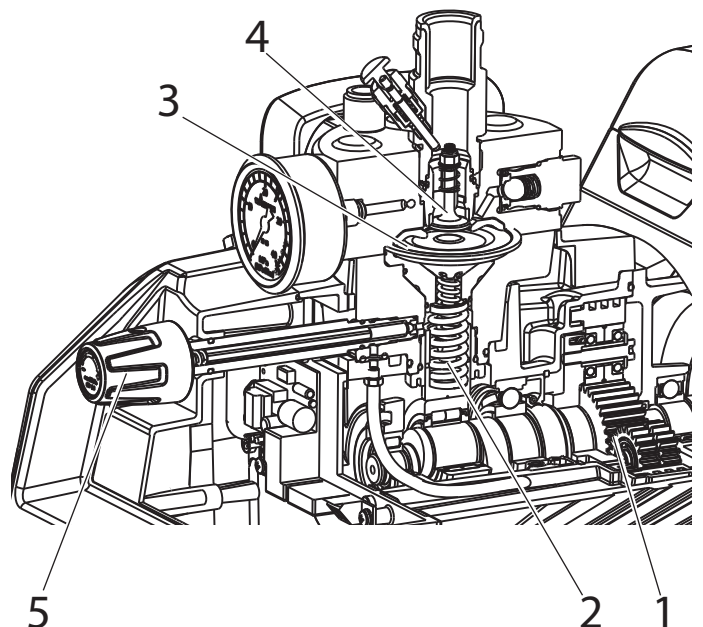
In detail:

The downwards movement of the machine opens the disk inlet valve (4) automatically and coating material is sucked in. During the upwards movement of the diaphragm, the coating material is displaced and the outlet valve opens while the inlet valve is closed.

The coating material flows under high pressure through the high-pressure hose to the spray gun and is atomized when it exists from the tip.

The pressure control valve (5) limits the set pressure in the hydraulic oil circuit and thus also the pressure of the coating material.

A pressure change when the same tip is used also leads to a change in the amount of paint atomized.



3.3 EXPLANATORY DIAGRAM

- 1 Tip guard with airless tip
- 2 Spray gun
- 3 High-pressure hose
- 4 Connection for high-pressure hose
- 5 Pressure gauge
- 6 Pressure control valve
- 7 ON/OFF switch
- 8 Pressure relief valve

Symbols (shown in the recess of the switch):

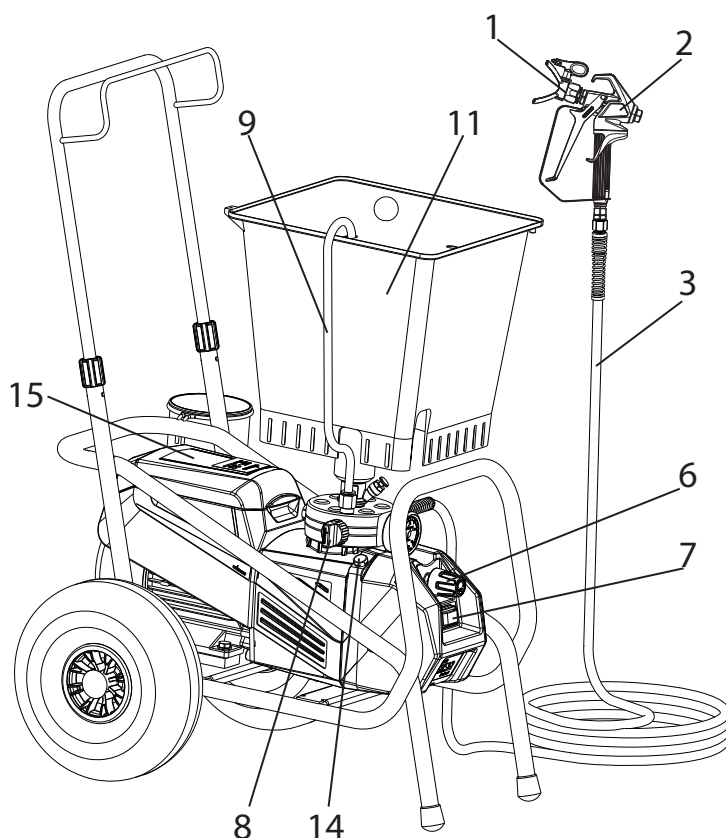


Spraying



Circulation

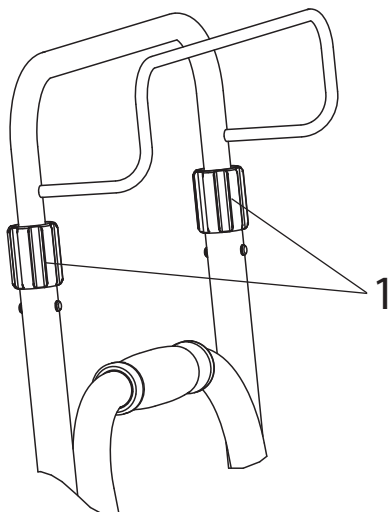
- 9 Return tube
- 10 Suction hose
- 11 Hopper
- 12 Inlet valve button
- 13 Outlet valve
- 14 Oil measuring stick
- 15 Tool box
- 16 Cleaning container



3.4 TRANSPORTATION

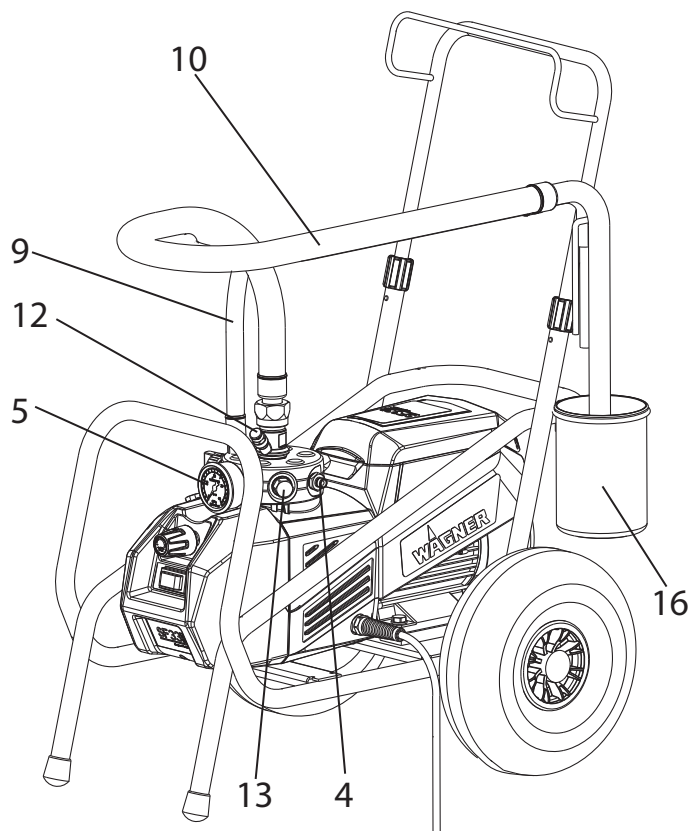
Unroll high-pressure hose and lay it over the shaft.

Loosen terminal sleeves (item 1) on the shaft (⌚ open). Extract shaft to the desired length. Tighten terminal sleeves again by hand (⌚ closed).



Transportation in vehicle

Secure the unit in the vehicle by means of suitable fasteners. The device can be placed on its side if necessary. In this case, please ensure that no attachments can be damaged. Attention: Paint or solvent residues can escape from the connections!

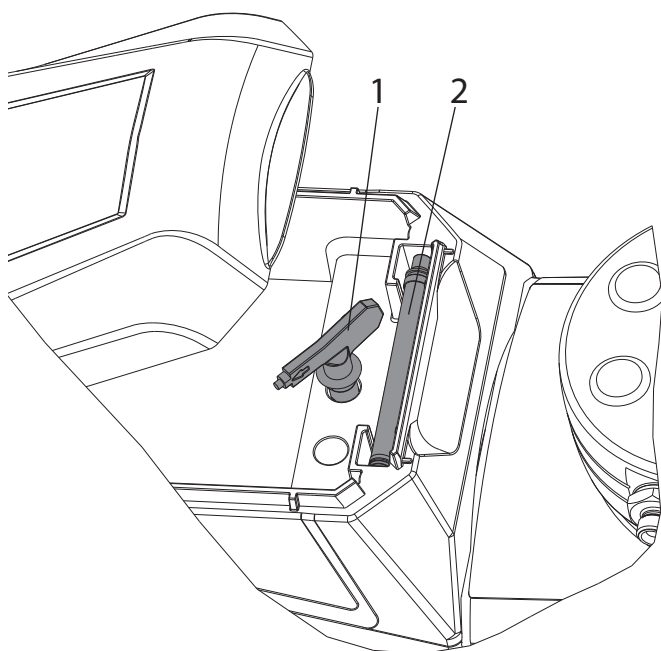


3.5 TOOL BOX

The SF 33 comes with an integrated tool box. As well as providing sufficient storage space for all of the tools required, the box also has slots for three nozzles (1) and two filters (2).



The tool box has a magnetic closure mechanism. Do not place any credit cards, magnetic storage media or similar objects in the box since doing so may damage them or cause data loss.



3.7 TECHNICAL DATA

Super Finish 33 Pro (Type: D702C)

Voltage :	230 V AC, 50 Hz
Fuses :	16 A time-lag
Unit connecting line :	6 m long, 3 x 1.5 mm ²
Max. current consumption:	10.7 A
Degree of protection :	IP 54
Rated input of device:	2.2 kW
Max. operating pressure :	25 MPa (250 bar)
Max. volume flow :	4.3 l/min
Volume flow at 12 MPa (120 bar) with water :	3.8 l/min
Max. temperature of the coating material :	43 °C
Max. nozzle size:	0,033 inch – 0,84 mm
Max. viscosity :	25,000 mPas
Empty weight:	50 kg
Hydraulic oil filling quantity :	1.0 liter, Divinol HVI 15
Max. tyre pressure:	0.2 MPa (2 bar)
Max. vibration at the spraygun :	lower than 2.5 m/s ²
Max. sound pressure level:	76 dB (A)*

*Place of measurement: 1 m distance from unit and 1.60 m above floor, 12 MPa (120 bar) operating pressure, reverberant floor

4 STARTUP

4.1 UNIT WITH SUCTION SYSTEM

1. Ensure that the sealing surfaces of the connections are clean.
Ensure that the red inlet (1) is inserted in the coating material inlet (4).
2. Use the enclosed 41 mm wrench to screw the union nut (2) at the suction hose (3) onto the coating material inlet (4) and tighten it.
3. Screw the union nut (5) at the return hose (6) to the connection (7) (22mm).

4.2 UNIT WITH UPPER HOPPER

1. Ensure that the sealing surfaces of the connections are clean. Ensure that the red inlet (1) is inserted in the coating material inlet (4).
2. Screw the adapter (8) onto the coating material inlet (4) and tighten until hand-tight.
3. Place the hopper (9) on the adapter (8).
4. Screw the union nut (5) on the return pipe (6) onto the connection (7).

4.3 HIGH PRESSURE HOSE AND SPRAY GUN

1. Screw the high pressure hose (10) onto the hose connection
2. Screw the spray gun (11) onto the high pressure hose
3. Tighten all union nuts on high pressure hose so that no coating material can escape.
4. Screw the tip holder with the selected tip onto the spray gun, align tip and tighten union nut.

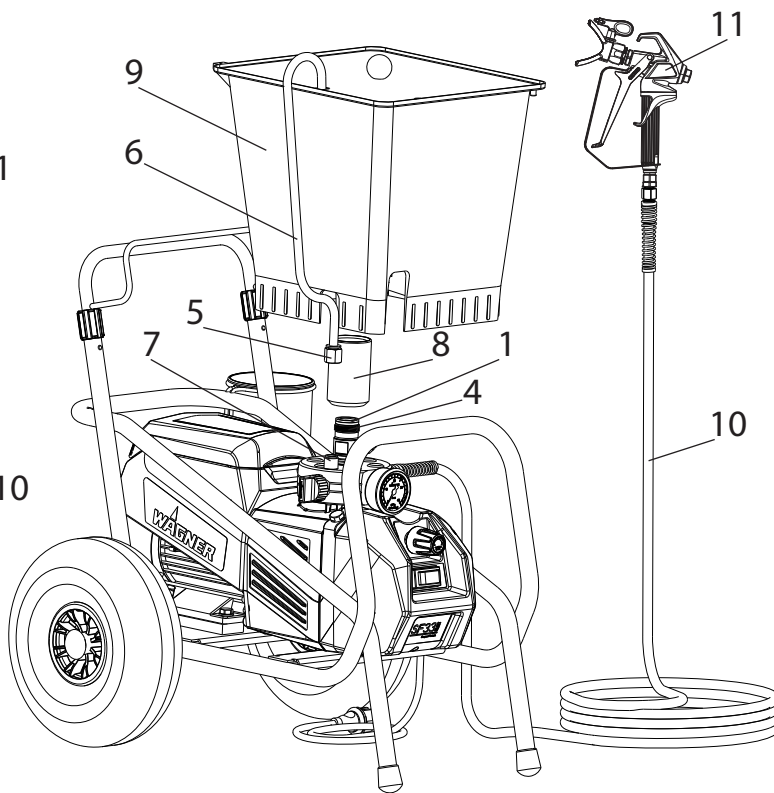
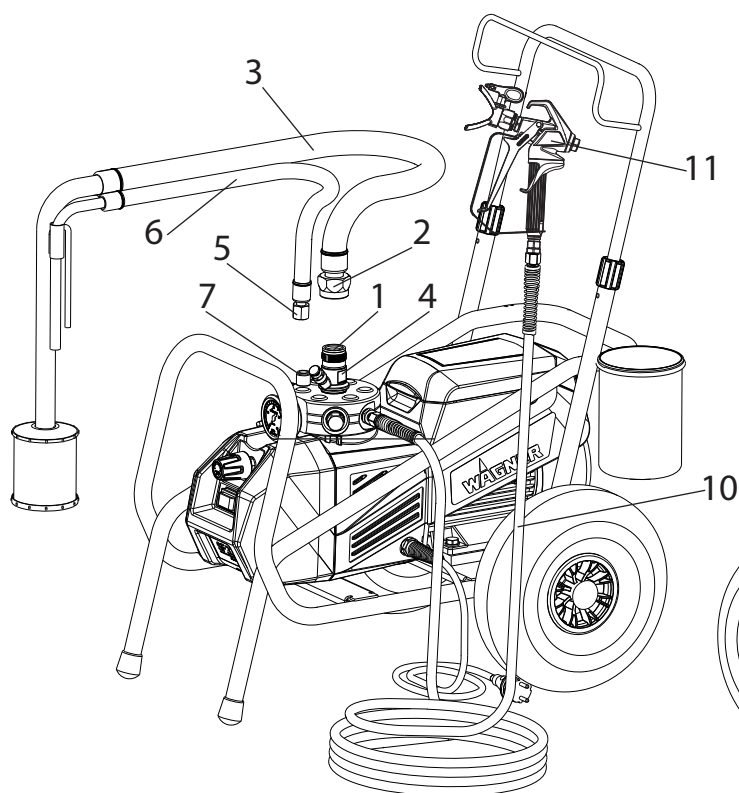
4.4 CONNECTION TO THE MAINS NETWORK



Attention

Connection must always be carried out via an appropriately grounded safety outlet with residual-current-operated circuit-breaker (30 mA). An upstream circuit breaker (fuse) with 16 A (B or C characteristics) is required.

Before connecting the unit to the mains supply, ensure that the line voltage matches that specified on the unit's rating plate.





4.5 CLEANING PRESERVING AGENT WHEN STARTING-UP OF OPERATION INITIALLY


Unit with suction tube

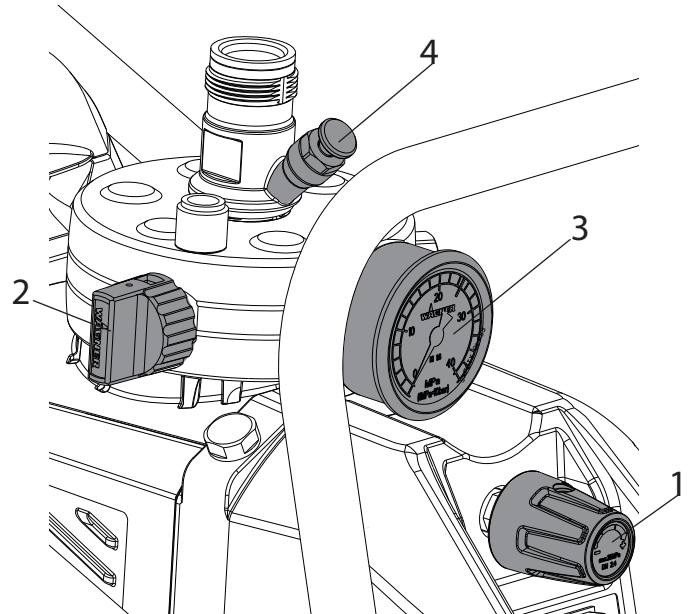
1. Immerse the suction system into a container filled with a suitable cleaning agent (recommendation: water).

Unit with hopper

2. Fill up hopper with a suitable cleaning agent (recommendation: water).
3. Open the relief valve (2), valve setting  (circulation).
4. Switch on the device.
5. Turn the pressure regulating knob (1) to the **right** until the stop is reached.
6. Wait until cleaning agent is emitted from the return hose.
7. Turn the pressure regulating knob (1) back approx. one rotation.
8. Close the relief valve (2), valve setting  (spraying). Pressure is rising up inside the high pressure hose (visible at pressure gauge)
9. Point the tip of the spray gun into an open collecting container and pull the trigger guard at the spray gun.
10. The pressure is increased by turning the pressure regulating knob (1) to the right. Set approx. 10 MPa (100 bar) at the pressure gauge.
11. Spray the cleaning agent out of the unit for approx. 1 - 2 min. (~5 litres) into the open collecting container.

4.6 VENTILATE UNIT (HYDRAULIC SYSTEM) IF THE SOUND OF INLET VALVE IS NOT AUDIBLE

1. Switch on the unit.
2. Turn pressure regulating knob (1) **three revolutions** to the **left**.
3. Open the relief valve (2), valve setting  (circulation). The hydraulic system is ventilated. Leave the unit on for two to three minutes.
4. Then turn pressure regulating knob (1) to the **right** until stop.
5. Press inlet valve pusher (4). Sound of the inlet valve is audible.
6. If not, repeat points 2 to 4 or tap gently with a small hammer on the flat of the outlet valve.





4.7 TAKING THE UNIT INTO OPERATION WITH COATING MATERIAL

Unit with suction tube

1. Immerse the suction system into a container filled with coating material.

Unit with hopper

2. Fill coating material into the hopper.
3. Press inlet valve pusher (4) several times to release possibly clogged inlet valve
4. Open the relief valve (2), valve setting  (circulation); the unit will start.
5. Turn the pressure regulating knob (1) to the **right** until the stop is reached. When the noise of the valves changes, the unit is bled and takes in coating material.
6. If coating material exits from the return hose, turn the pressure regulating knob (1) back approx. 1 rotation.
7. Close the relief valve (2), valve setting  (spraying). Pressure is rising up inside the high pressure hose (visible at pressure gauge (3)).
8. Pull off the spray gun and spray into an open collecting container in order to remove the remaining cleaning agent from the unit. When coating materials exits from the tip, close the spray gun.
9. Adjust the spraying pressure by turning the pressure regulating knob (1).
10. The unit is ready to spray.


5 SPRAYING TECHNOLOGY

Move the spray gun evenly during the spraying process. If this is not observed, an irregular spraying appearance will be the result. Carry out the movement with the arm, not with the wrist. A parallel distance of approx. 30 cm between the tip and the surface to be coated should always be observed. The lateral limitation of the spray fan should not be too distinct. The edge of spraying should be gradual to facilitate overlapping of the next coat. The spray gun should always be held at an angle of 90° to the surface to be coated. A spray fan aimed obliquely at the surface to be coated leads to an unwanted spray cloud.

To achieve perfect surfaces at varnishing works, special accessories are available at Wagner, e.g. FineFinish tips or an AirCoat gun set. Your Wagner dealer will advise you.

6 HANDLING THE HIGH-PRESSURE HOSE

The unit is equipped with a high-pressure hose specially suited for diaphragm pumps.



Danger


Danger of injury through leaking high-pressure hose. Replace any damaged high-pressure hose immediately.

Never repair defective high-pressure hoses yourself!


The high-pressure hose is to be handled with care. Avoid sharp bends and folds: the smallest bending radius is about 20 cm. Do **not drive over** the high-pressure hose. Protect against sharp objects and edges.

Never pull on the high-pressure hose to move the device.

Make sure that the high-pressure hose cannot twist. This can be avoided by using a Wagner spray gun with a swivel joint and a hose system.




When using the high-pressure hose while working on scaffolding, it is best to always guide the hose along the **outside** of the scaffolding.




The risk of damage rises with the age of the high-pressure hose.


Wagner recommends replacing high-pressure hoses after 6 years.



Only use WAGNER original-high-pressure hoses with internal heating in order to ensure functionality, safety and durability.

7 INTERRUPTION OF WORK


1. Open the relief valve, valve setting  (circulation).
2. Switch off the device.
3. Pull trigger guard of spray gun to decrease the pressure of the high pressure hose and the spray gun.
4. Secure the spray gun, refer to the operating manual of the spray gun.
5. Remove tip from tip holder and store the tip in a small vessel with suitable cleaning agent.
6. Leave the suction system immersed in the coating material or immerse it in the corresponding cleaning agent. The suction filter and unit should not dry out.
7. Cover the material container in order to prevent the paint from drying.






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.


8 CLEANING THE UNIT


A clean state is the best method of ensuring operation without problems. After you have finished spraying, clean the unit. Under no circumstances may coating material rests dry and harden in the unit. The cleaning agent used for cleaning (only with a flash point above 21 °C) must be suitable for the coating material used.


	Warm water improves the cleaning effect in the case of water-dilutable coating materials.
---	---


- **Secure the spray gun**, refer to the operating manual of the spray gun.
Remove and clean the tip.
- **Unit with suction system**
 1. Open the relief valve, valve setting  (circulation) and switch on the device.
 2. Remove the suction system from the material container, the return tube remains over the material container.
 3. Immerse the suction system into a container filled with a suitable cleaning agent
 4. Turn the pressure control valve back in order to set a minimal spraying pressure.
 5. Close the relief valve, valve setting  (spraying).

	With coating materials containing solvents, an earthed metal container must be used for cleaning into which the cleaning agent is pumped.
---	---



	Caution! Do not pump or spray in container with small opening (bung hole)! See safety regulations.
---	--


6. Pull the trigger guard of the spray gun in order to pump the remaining coating material from the suction hose, high-pressure hose and the spray gun into an open container (if appropriate, increase the pressure at the pressure control valve slowly in order to obtain a higher material flow).
7. Open the relief valve, valve setting  (circulation).
8. Pump suitable cleaning agent in the circuit for several minutes.


	The cleaning effect is increased by alternatively opening and closing the spray gun.
---	--


9. Close the relief valve, valve setting  (spraying).
10. Pump the remaining cleaning agent into an open container until the pump is empty.
11. Switch off the unit


• Unit with upper hopper



1. Open the relief valve, valve setting  (circulation).
2. Turn the pressure control valve back in order to set a minimal spraying pressure.
3. Close the relief valve, valve setting  (spraying).

	With coating materials containing solvents, an earthed metal container must be used for cleaning into which the cleaning agent is pumped.
---	---



	Caution! Do not pump or spray in container with small opening (bung hole)! See safety regulations.
---	--

4. Pull the trigger guard of the spray gun in order to pump the remaining coating material from the hopper, high-pressure hose and the spray gun into an open container (if appropriate, increase the pressure at the pressure control valve slowly in order to obtain a higher material flow).
5. Fill up hopper with suitable cleaning agent.
6. Open the relief valve, valve setting  (circulation).
7. Pump suitable cleaning agent in the circuit for several minutes.

	The 20 l top container can be easily removed and emptied after cleaning.
---	--


8. Close the relief valve, valve setting  (spraying).
9. Pump the remaining cleaning agent from the hopper, high-pressure hose and the spray gun into an open container.
10. Open the relief valve, valve setting  (circulation) and switch off the device.

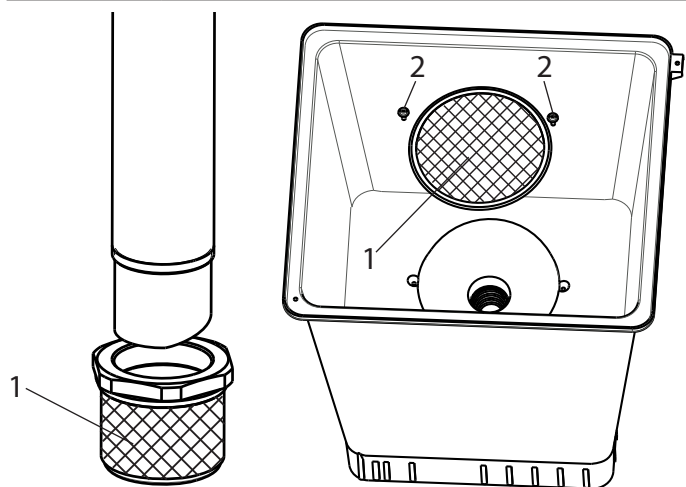
8.1 CLEANING THE UNIT FROM THE OUTSIDE

 <p>Danger</p>	<p>First unplug the power plug from the outlet.</p> <p>Danger of short-circuits caused by water ingress! Never spray down the unit with high-pressure or high-pressure steam cleaners.</p>
 <p>Danger</p>	<p>Do not put the high-pressure hose into solvents. Use only a wet cloth to wipe down the outside of the hose.</p>

Wipe down unit externally with a cloth which has been immersed in a suitable cleaning agent.

8.2 SUCTION FILTER

	<p>Clean filters always ensure maximum volume, constant spray pressure and problem-free functioning of the unit.</p>
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suction tube

hopper


Unit with suction system

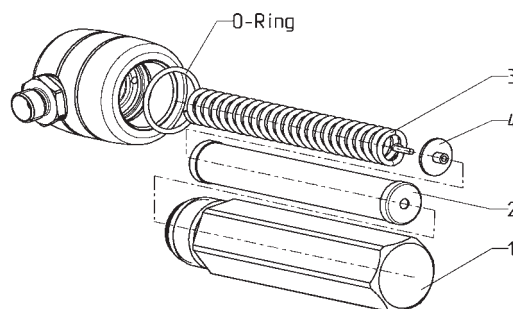
1. Unscrew the filter (Item 1) from the suction tube.
2. Clean or replace the filter.
Carry out cleaning with a hard brush and a corresponding cleaning agent.

Unit with hopper

1. Release screws with a screwdriver (Item 2).
2. Lift and remove filter disk with a screwdriver
3. Clean or replace the filter disk.
Carry out cleaning with a hard brush and a corresponding cleaning agent.

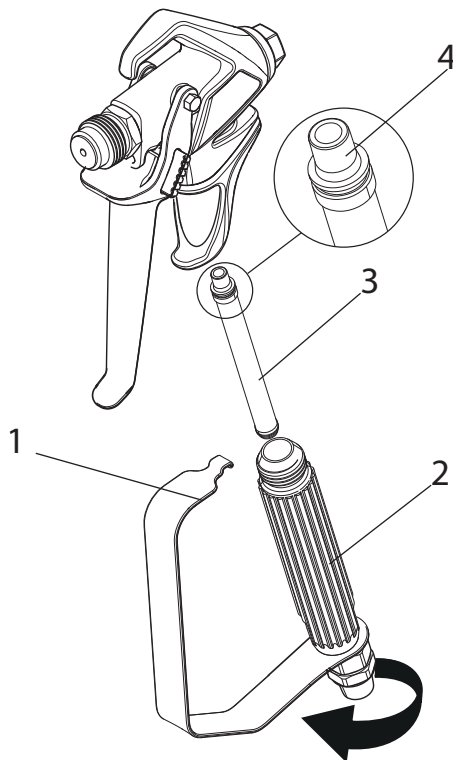
8.3 HIGH-PRESSURE FILTER

1. Open the relief valve, valve setting  (circulation) and switch off the device.
2. Open the high-pressure filter and clean the filter insert. To do so:
3. Unscrew the filter housing (1) by hand.
4. Remove the filter insert (2) and pull out the bearing spring (3).
5. Clean all the parts with the corresponding cleaning agent. If compressed air is available – blow through the filter insert and bearing spring.
6. When mounting the filter ensure that the bearing ring (4) in the filter insert is positioned correctly and check the O-ring at the filter housing for damage.
7. Screw on the filter housing by hand until it stops (a higher tightening force only impedes later dismantling).



8.4 CLEANING THE AIRLESS SPRAY GUN

1. Rinse the Airless spray gun with a suitable cleaning agent under lower operating pressure.
2. Clean the tip thoroughly with a suitable cleaning agent so that no suitable coating material rests remain.
3. Do not store the tip in solvent because this reduces the durability considerably.
4. Clean the outside of the Airless spray gun thoroughly.



Insertion filter in the Airless spray gun

1. Unclip the top of the trigger guard (1) from the gun head.
2. Using the bottom of the trigger guard as a wrench, loosen and remove the handle assembly (2) from the gun head.
3. Pull the old filter (3) out of the gun head. Clean or replace.
4. Slide the new filter, tapered end (4) first, into the gun head.
5. Screw the handle grip back into the spray gun head and tighten with the integrated spanner.
6. Snap the trigger guard back onto the gun head.

9 SERVICING

9.1 GENERAL SERVICING



We strongly recommend having an annual check carried out by technicians for safety reasons. Please observe all the applicable national regulations.



You can servicing of the unit carried out by the Wagner Service. Favourable conditions can be agreed with a service agreement and/or maintenance packages.

Minimum check before every startup:

1. Check the high-pressure hose, spray gun with rotary joint, power supply cable with plug for damage.
2. Check whether the pressure gauge can be read.

Check at periodical intervals:

1. Check inlet and outlet valve according wear. Clean it and replace worn out parts.
2. Check all filter inserts (spray gun, suction system) clean it and replace if necessary.

9.2 HIGH-PRESSURE HOSE

Inspect the high-pressure hose visually for any notches or bulges, in particular at the transition in the fittings. It must be possible to turn the union nuts freely. A conductivity of less than

1 MΩ must exist across the entire length.



Have all the electric tests carried by the Wagner Service.



The risk of damage rises with the age of the high-pressure hose. Wagner recommends replacing high-pressure hoses after 6 years.

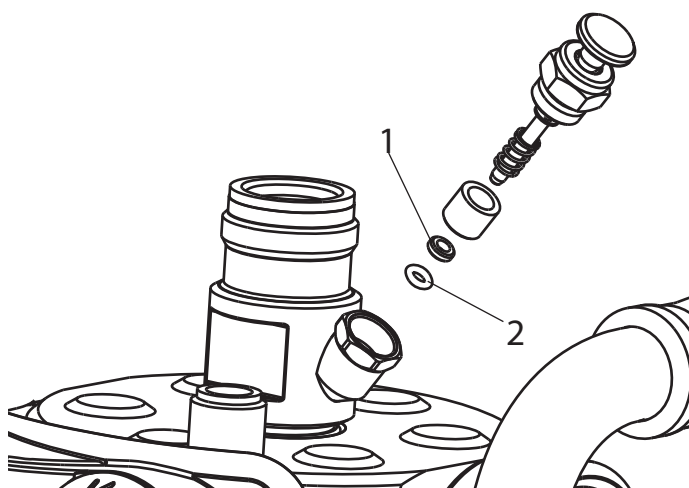
10 REPAIRS AT THE UNIT



Switch the unit off.
Before all repair work: Unplug the power plug from the outlet.

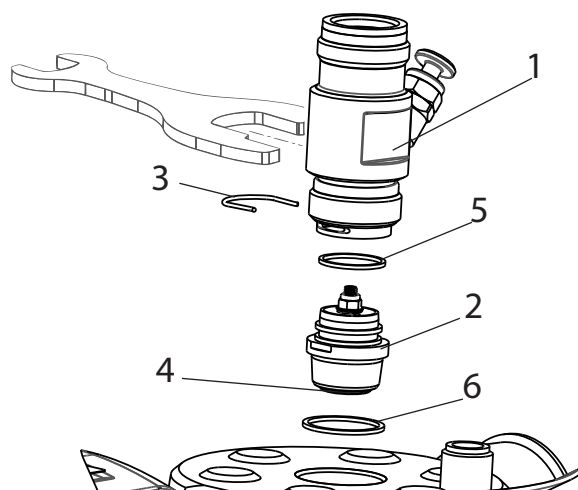
10.1 INLET VALVE PUSHER

1. Use a 17 mm spanner to screw out the inlet valve button.
2. Replace the wiper (1) and O-ring (2).



10.2 INLET VALVE

1. Place the enclosed 30 mm wrench on the trigger housing (1).
2. Loosen the trigger housing (1) with light blows of a hammer on the end of the wrench.
3. Screw out the trigger housing with the inlet valve (2) from the paint section.
4. Pull off the clasp (3) using the enclosed screwdriver.
5. Place the enclosed 30 mm wrench on the inlet valve (2). Turn out the inlet valve carefully.
6. Clean the valve seat (4) with a cleaning agent and brush (ensure that no brush hairs are left behind).
7. Clean the seals (5, 6) and check for damage. Replace, if necessary.
8. Check all the valve parts for damage. In case of visible wear replace the inlet valve.

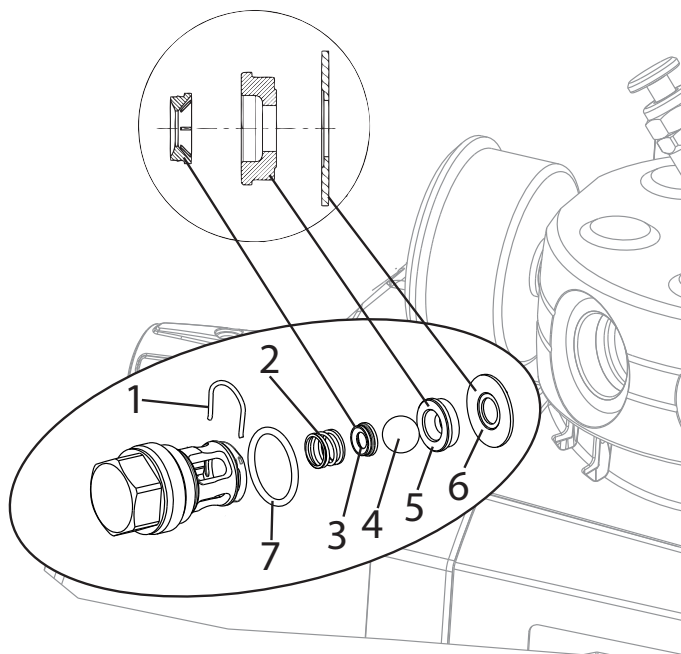


Installation

1. Insert the inlet valve (2) into the trigger housing (1) and secure with the clasp (3). Ensure that the (black) seal (5) is mounted in the trigger housing.
2. Screw the unit from the trigger housing and the inlet valve into the paint section. The same (black) seal (6) has to be mounted in the paint section.
3. Tighten the trigger housing with the 30 mm wrench and tighten with three light blows of the hammer on the end of the wrench. (Corresponds to approx. 90 Nm tightening torque).

10.3 OUTLET VALVE

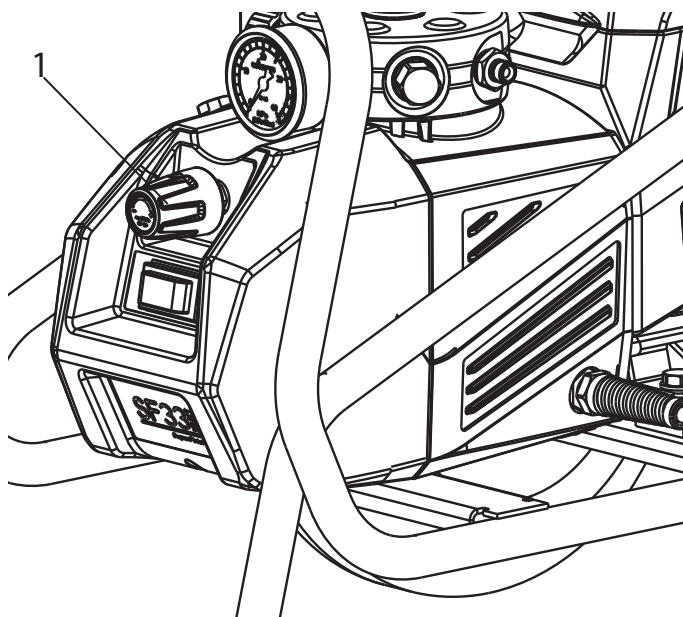
1. Use a 22 mm wrench to screw the outlet valve from the paint section.
 2. Carefully pull of the clasp (1) using the enclosed screwdriver. The compression spring (2) presses ball (4) and valve seat (5) out.
 3. Clean or replace the components.
 4. Check the O-ring (7) for damage.
 5. Check the installation position when mounting the spring support ring (3) (clipped onto spring (2)), outlet valve seat (5) and seal (6), refer to figure.
- The torque for fitting the outlet valve is 50 Nm.






10.4 PRESSURE CONTROL VALVE



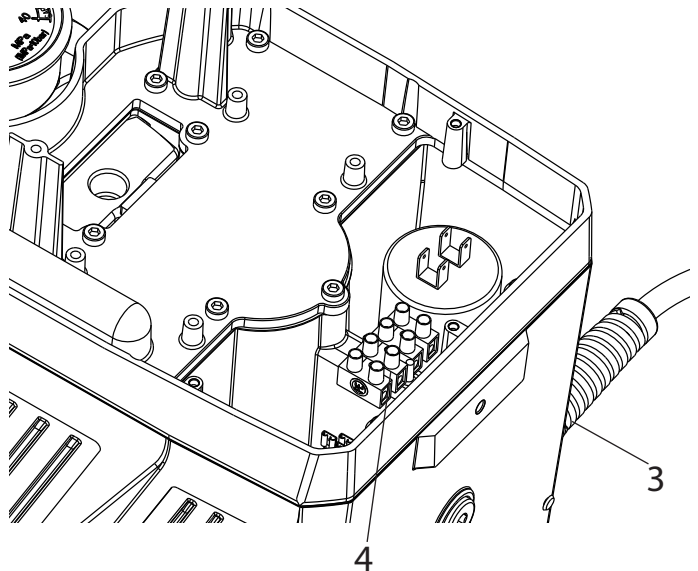
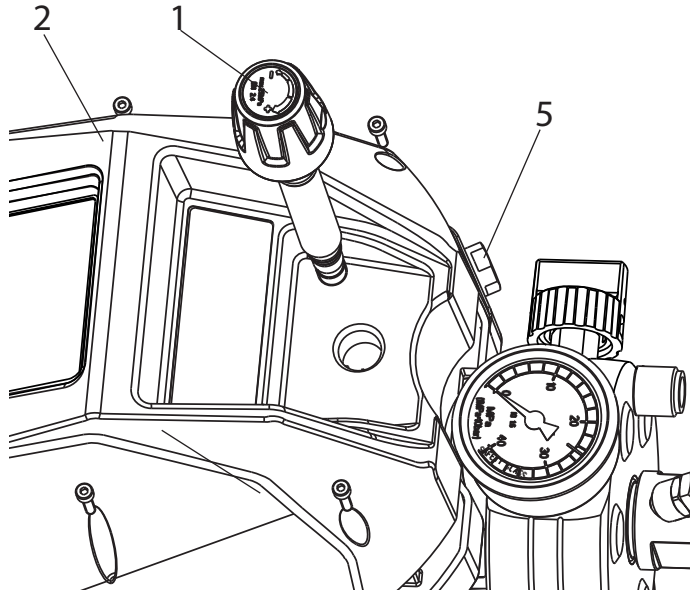
Only have the pressure control valve (1) replaced by the customer service.
The max. operating pressure has to be reset by the customer service.



10.5 REPLACING THE POWER CABLE

 Danger	<p>This may only be carried out by a skilled electrician. No liability is assumed for incorrect installation.</p> <p>Switch the unit off.</p> <p>Before all repair work: Unplug the power plug from the outlet.</p>
 Danger	<p>Do not dismantle the sealed pressure control valve (1) so as to ensure that the pressure setting is retained.</p>
	<p>To remove the pump, move it to an upright position. Open the oil lock screw (5) to release any excess pressure that has built up in the hydraulic oil housing.</p>

1. Completely unscrew the pressure control valve (1) (spanner width 17 mm).
2. Remove the front cover (2) by loosening the 5 screws using an Allen key (SW 3).
3. Loosen the cable threaded joint (3).
4. Loosen the wires in the mains terminal (4).
5. Replace the unit connecting line.
(only an approved power cable with the designation H07-RNF with a splash-proof plug may be used).
6. Connect the green/yellow wire to the contact with the PE sign.
7. Remount the covers carefully (do not squeeze any cables!)
8. Replace the pressure control valve in the housing and screw into position.



10.6 TYPICAL WEAR PARTS

Despite the use of high-quality materials the highly abrasive effect of the paints means that wear can occur at the following parts:

Inlet valve (spare part Order No.: 0341247)

For replacing refer to Section 10.2

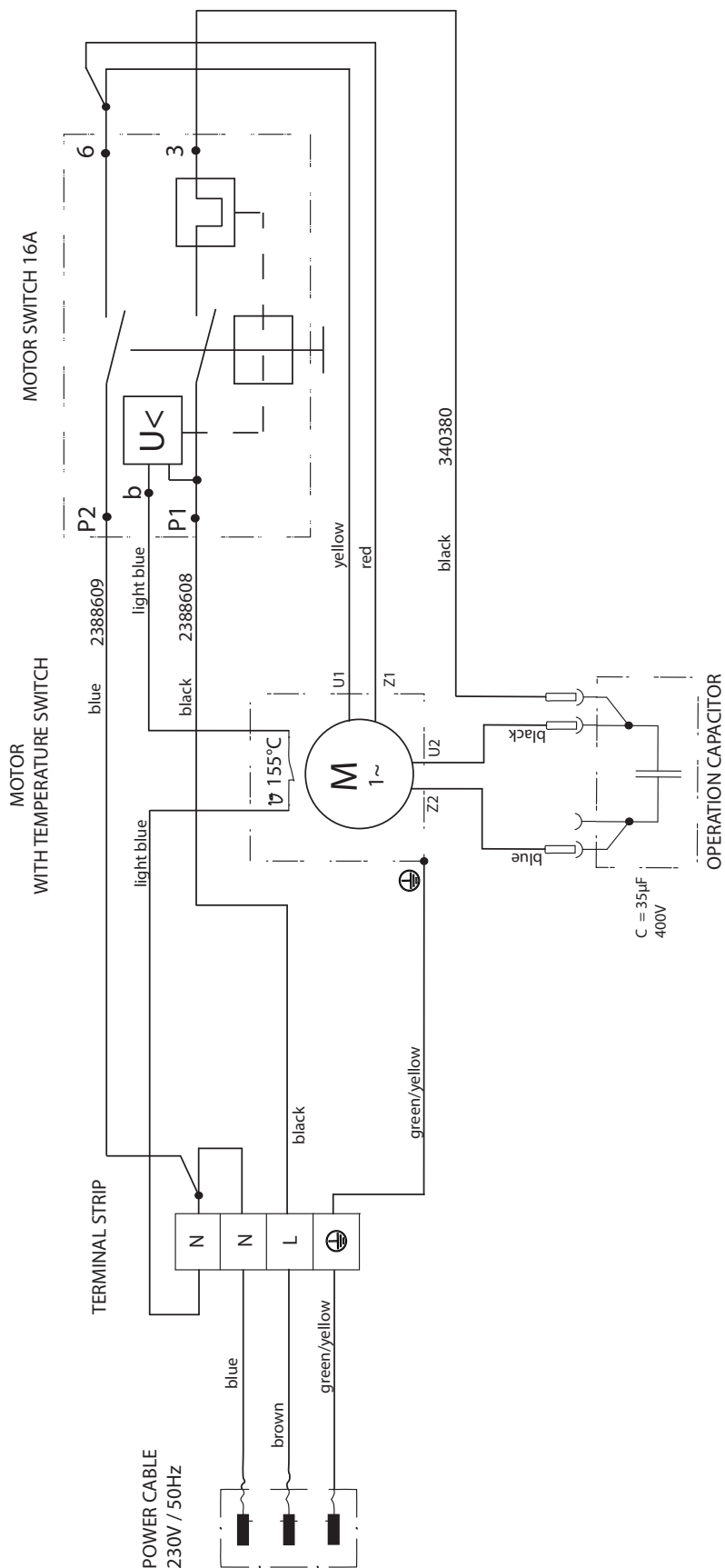
(failure becomes noticeable through performance loss and/or poor or no suction)

Outlet valve (spare part Order No.: 0341702)

For replacing refer to Section 10.3

(failure becomes noticeable through performance loss and/or poor suction) The outlet valve is usually considerably more durable than the inlet valve. Thorough cleaning may already help here.

10.7 CONNECTION DIAGRAM



10.8 REMEDY IN CASE OF FAULTS

TYPE OF MALFUNCTION	POSSIBLE CAUSE	MEASURE FOR ELIMINATION OF MALFUNCTION
Unit does not start	<ul style="list-style-type: none"> • No voltage • The device fuse has tripped due to overload 	<ul style="list-style-type: none"> • Check voltage supply • Switch off the device and allow the motor to cool down for a few minutes until the green symbols light up again. Switch device on again.
Unit does not suck in	<ul style="list-style-type: none"> • Inlet valve clogged • Inlet valve trigger leaks, sucks in ancillary air. • Inlet/outlet valve soiled / worn A foreign body (e.g. paint residue) has been sucked in <p>Unit with suction system:</p> <ul style="list-style-type: none"> • Filter extends beyond the liquid level and sucks in air. • Suction filter clogged • Suction system not firmly tightened, i.e. the device is sucking in air. <p>Device with upper hopper:</p> <ul style="list-style-type: none"> • Filter disk clogged • Air in the hydraulic system <p>• Too little oil (check with an oil dipstick)</p>	<ul style="list-style-type: none"> • Press the inlet valve button until the stop is reached several times by hand • Replace stripper and o-ring, refer to section 10.1. • Remove the valves and clean then (-> refer to section 10.2/10.3) / replace worn parts • Refill coating material • Clean or replace suction filter. • Clean and tighten connections. • Clean or replace filter disk. • Release air from unit (hydraulic system), i.e. turn pressure regulating valve three revolutions to the left (possibly pull gently on the rotary knob). Allow the unit to run one or two minutes. After that, turn pressure regulating valve to the right to set the desired operating pressure. • Top up the oil and contact Wagner Service to search for the leak
Unit has sucked in and generates pressure but the pressure collapses when the trigger is pulled.	<ul style="list-style-type: none"> • No tip mounted in the spray gun • Tip too large • Suction filter clogged <p>Specially for unit with suction system:</p> <ul style="list-style-type: none"> • Suction system not tight • Outlet valve parts worn • Paint too viscous • Paint contains particles / small stones • Relief valve defective 	<ul style="list-style-type: none"> • Mount tip • Use a smaller tip • Clean suction filter or replace. • Clean and tighten connection points. • Replace outlet valve parts, refer to section 10.3. • Dilute the paint • Please contact Wager Customer Service • Please contact Wager Customer Service
Unit reached pressure, but the pressure collapses during spraying, pressure gauge still shows high pressure.	<ul style="list-style-type: none"> • Clogged filter do not let enough paint pass • Gun filter insert fitted the wrong way round • Tip clogged 	<p>Check/clean the (high-pressure filter) gun filter</p> <ul style="list-style-type: none"> • Fit the gun filter insert correctly (refer to section 8.4) • Clean the tip
Hard pressure jolts and excessive vibration on the spray gun and unit	<ul style="list-style-type: none"> • High-pressure hose for diaphragm unit not suitable • Outlet valve parts worn 	<ul style="list-style-type: none"> • Use original WAGNER high-pressure hose. • Replace outlet valve parts, refer to section 10.3.

11 SPARE PARTS AND ACCESSORIES

11.1 SUPER FINISH 33 PRO ACCESSORIES

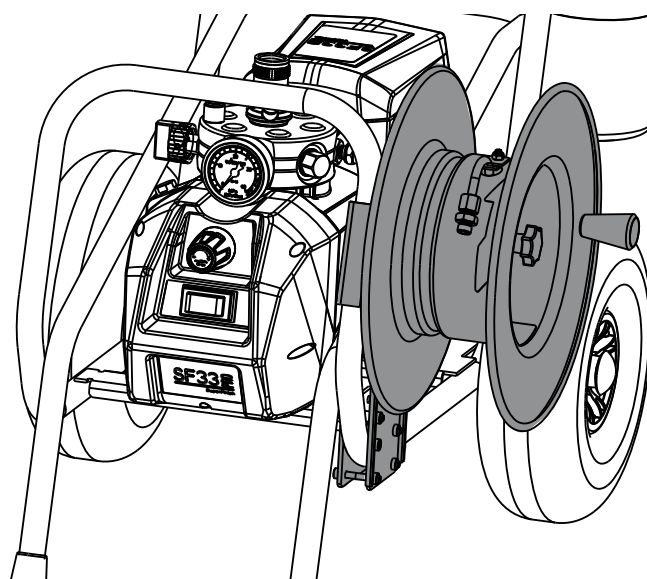
ITEM	DESIGNATION	ORDER NO.
1	Spray gun Vector Pro (2-finger, G thread 7/8")	0538 041
	Spray gun Vector Pro (4-finger, G thread 7/8")	0538 040
2	Spray gun Vector Grip (2-finger and 4-finger, G thread 7/8")	0538 043
3	Spray gun AG-14 (stainless steel, F thread 11/16")	0502 166
4	HP hose DN-3, 7.5m	9984 583
	HP hose DN 6 mm, 15 m	9984 507
	HP hose DN 6 mm, 30 m	9984 562
5	AirCoat spray gun AC 4500 (blue)	2368 269
6	Double hose	9984 564
7	AirCoat-controler set	0340 250
8	Pole gun Length 120 cm; G thread 7/8"	0296 441
	Length 200 cm; G thread 7/8"	0296 442
9	Tip extension (G thread 7/8") Length 15 cm	0556 074
	Length 30 cm	0556 075
	Length 45 cm	0556 076
	Length 60 cm	0556 077
10	Tip extension with slewable knee joint (F thread 11/16") Length 100 cm	0096 015
	Length 200 cm	0096 016
	Length 300 cm	0096 017
	Adapter 11/16" - 7/8"	0555 300
11	Inline Roller	0345 010
12	Hopper 5l	0341 265
13	Hopper 20l	0341 266
14	Suction system (flexible) for dispersions	0034 630
15	Cleaning container for suction system with holder (only for flexible suction system)	2343 481
16	Suction system (rigid) for dispersions	2342879
17	Filter bag, mesh width 0,3 mm	0097 531
18	Metex-Reuse Reuse for pre-filtering of coating mate- rial in vessel. Place suction pipe in the reuse.	0034 950
	Sieve package (5 pcs) for paint	0034 952
	Sieve package (5 pcs) for dispersion	0034 951

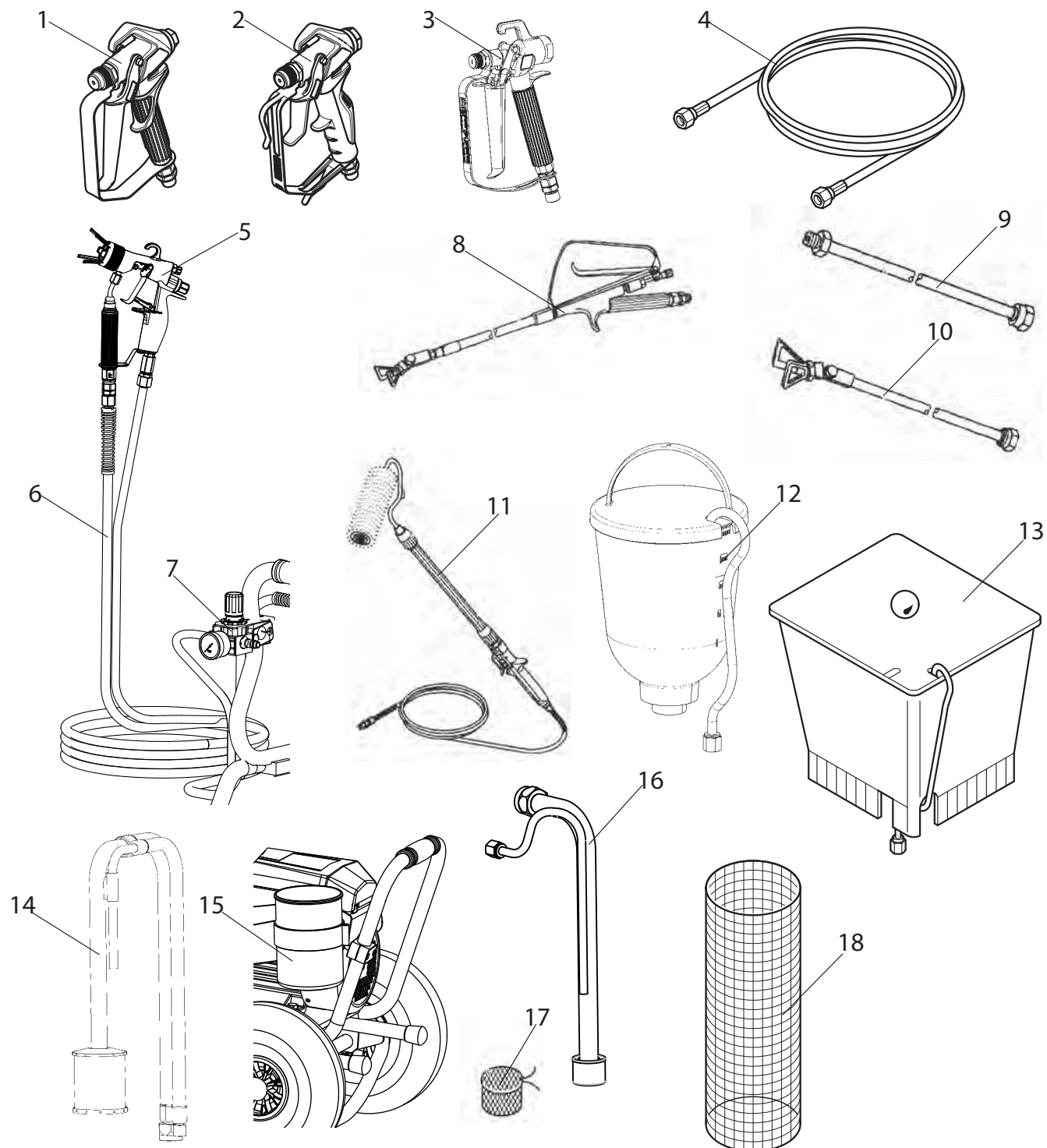
RECOMMENDATION

Hose reel HR30

(order No. 2306987, without high-pressure hose)

Smart hose management for more convenient working and transport. Suitable for max. 30 m of hose (1/4 NPSM). Individual hoses can be connected using adapter 34038.





TEMPSPRAY

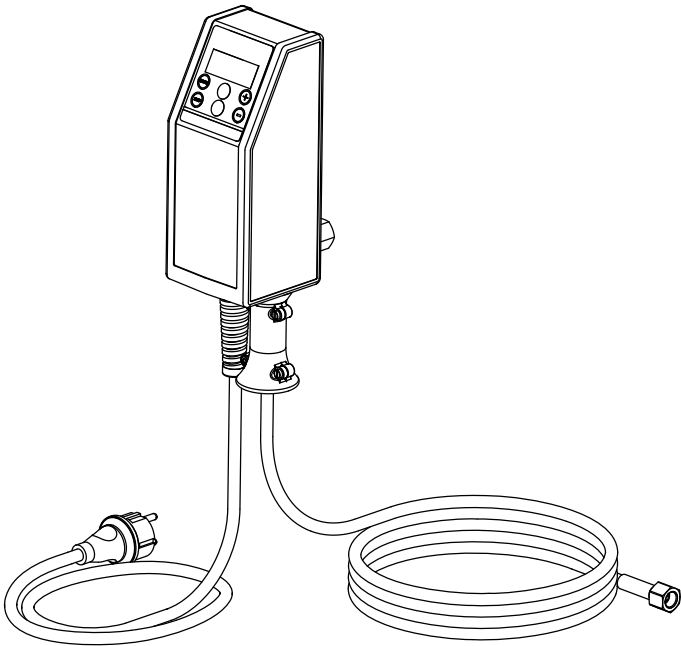
The paint material is heated to the required temperature uniformly by an electric heating element, which is located inside the hose (regulated from 20°C to 60°C).

Advantages:

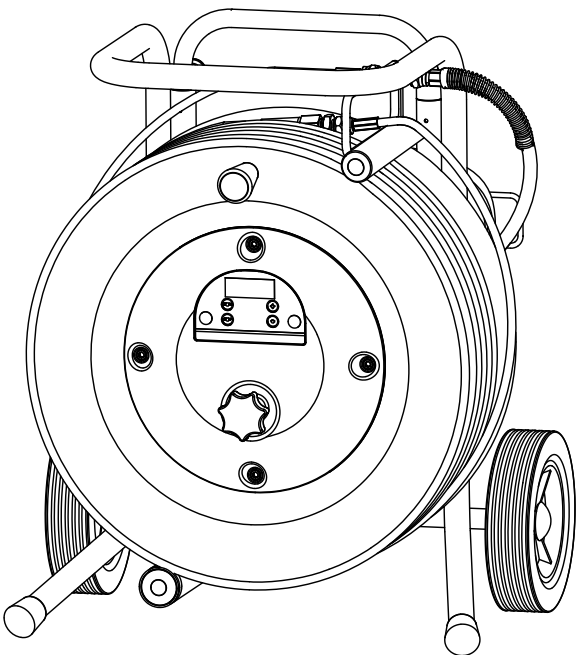
- Constant paint temperature even at low outside temperatures
- Considerably better working of high viscosity coating materials
- Increased application efficiency
- Savings in solvents due to reduction in viscosity
- Adaptable to all airless units

Order No.	Description
2311659 2311852	TempSpray H 126 (ideal for lacquer jobs) Basic unit 1/4" incl. stainless steel hose, DN6, 1/4", 10m Spraypack consisting of: basic unit (2311659), Airless gun Vector Grip G thread, incl. Trade Tip 3 nozzle holder and 2SpeedTip L10 (208/510)
2311660 2311853	TempSpray H 226 (ideal for dispersions/materials with high viscosity) Basic unit 1/4" incl. Hose reel, heated hose DN10, 15m, hose 1/4" DN4, 1m Spraypack consisting of: Basic unit (2311660), Airless un AG 14 G thread, incl. Trade Tip 3 nozzle holder and 2SpeedTip D10 (111/419)
2311661 2311854	TempSpray H 326 (ideal for dispersions/materials with high viscosity) Basic unit 1/4" incl. Hose reel, heated hose DN10, 30m, hose 1/4" DN4, 1m Spraypack consisting of: Basic unit (2311661), Airless un AG 14 G thread, incl. Trade Tip 2 nozzle holder and 2SpeedTip D20 (115/421)

TempSpray H 126



TempSpray H 226 / H 326

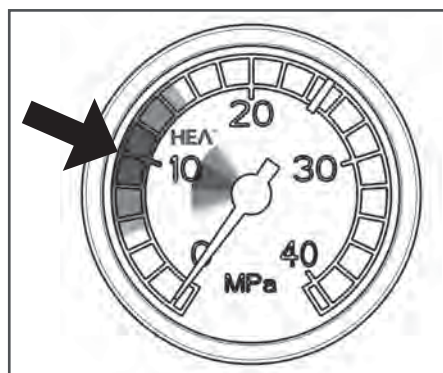


HEA NOZZLES FOR LOW-MIST SPRAYING AT LOW PRESSURE

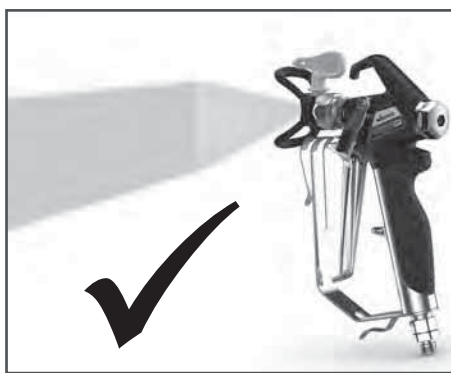
HEA | HIGH EFFICIENCY
AIRLESS

HEA stands for High Efficiency Airless, an innovative nozzle technology revolutionising airless spraying. HEA nozzles allow the pressure of the spray device to be reduced right down and allow it to work in the low-pressure range (ideally at 80 - 140 bar). The nozzles can be used with all TradeTip 3 nozzle holders and WAGNER devices.

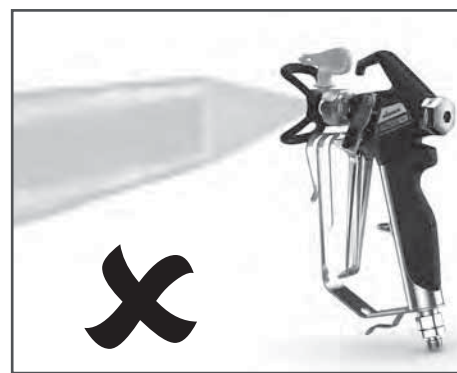
Some paints may need to be diluted to achieve the best result possible. The experts at Wagner application technology have therefore tested a wide range of materials for you. Their recommendations can be found in the Wagner Spray Guide at sprayguide.wagner-group.com.



Set the low pressure in the HEA range and start.



Even spray pattern without spray edges.



If edges are visible, slowly increase the pressure.

HEA tip table

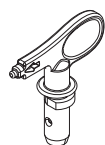


All of the tips in the table below are supplied together with the appropriate gun filter.

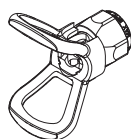
Application	Tip marking	Spray angle	Bore inch / mm	Spraying width mm 1)	Gun filter	Order no.
Synthetic-resin paints PVC paints	211	20°	0.011 / 0.28	120	red	0554211
	311	30°	0.011 / 0.28	150	red	0554311
	411	40°	0.011 / 0.28	190	Rot	0554411
Paints, primers Fillers	213	20°	0.013 / 0.33	120	red	0554213
	313	30°	0.013 / 0.33	150	red	0554313
	413	40°	0.013 / 0.33	190	red	0554413
Fillers Rust protection paints	415	40°	0.015 / 0.38	190	yellow	0554415
	515	50°	0.015 / 0.38	225	yellow	0554515
	615	60°	0.015 / 0.38	270	yellow	0554615
Rust protection paints Latex paints Dispersions	417	40°	0.017 / 0.43	190	white	0554417
	517	50°	0.017 / 0.43	225	white	0554517
	617	60°	0.017 / 0.43	270	white	0554617
Rust protection paints Latex paints Dispersions	519	50°	0.019 / 0.48	225	white	0554519
	619	60°	0.019 / 0.48	270	white	0554619
Flame retardant	421	40°	0.021 / 0.53	190	white	0554421
	521	50°	0.021 / 0.53	225	white	0554521
	621	60°	0.021 / 0.53	270	white	0554621

1) Spray width at about 30 cm to the object and 100 bar (10 MPa) pressure with synthetic-resin paint 20 DIN seconds.

Airless tip table



**Wagner
TradeTip 3 tip**
up to 270 bar
(27 MPa)



without tip
G thread (7/8 - 14 UN)
Order no. 0289390

without tip
F thread (11/16 - 16 UN)
Order no. 0289391



All of the tips in the table below are supplied together with the appropriate gun filter.

Application	Tip marking	Spray angle	Bore inch / mm	Spraying width mm 1)	Gun filter	Order no.
Water-thinnable and solvent-based paints and varnishes, oils, separating agents	107	10°	0.007 / 0.18	100	red	0553107
	207	20°	0.007 / 0.18	120	red	0553207
	307	30°	0.007 / 0.18	150	red	0553307
	407	40°	0.007 / 0.18	190	red	0553407
	109	10°	0.009 / 0.23	100	red	0553109
	209	20°	0.009 / 0.23	120	red	0553209
	309	30°	0.009 / 0.23	150	red	0553309
	409	40°	0.009 / 0.23	190	red	0553409
	509	50°	0.009 / 0.23	225	red	0553509
	609	60°	0.009 / 0.23	270	red	0553609
Synthetic-resin paints PVC paints	111	10°	0.011 / 0.28	100	red	0553111
	211	20°	0.011 / 0.28	120	red	0553211
	311	30°	0.011 / 0.28	150	red	0553311
	411	40°	0.011 / 0.28	190	red	0553411
	511	50°	0.011 / 0.28	225	red	0553511
	611	60°	0.011 / 0.28	270	red	0553611
Paints, primers Fillers	113	10°	0.013 / 0.33	100	red	0553113
	213	20°	0.013 / 0.33	120	red	0553213
	313	30°	0.013 / 0.33	150	red	0553313
	413	40°	0.013 / 0.33	190	red	0553413
	513	50°	0.013 / 0.33	225	red	0553513
	613	60°	0.013 / 0.33	270	red	0553613
	813	80°	0.013 / 0.33	330	red	0553813
Fillers Rust protection paints	115	10°	0.015 / 0.38	100	yellow	0553115
	215	20°	0.015 / 0.38	120	yellow	0553215
	315	30°	0.015 / 0.38	150	yellow	0553315
	415	40°	0.015 / 0.38	190	yellow	0553415
	515	50°	0.015 / 0.38	225	yellow	0553515
	615	60°	0.015 / 0.38	270	yellow	0553615
	715	70°	0.015 / 0.38	300	yellow	0553715
	815	80°	0.015 / 0.38	330	yellow	0553815
Rust protection paints Latex paints Dispersions	117	10°	0.017 / 0.43	100	white	0553117
	217	20°	0.017 / 0.43	120	white	0553217
	317	30°	0.017 / 0.43	150	white	0553317
	417	40°	0.017 / 0.43	190	white	0553417
	517	50°	0.017 / 0.43	225	white	0553517
	617	60°	0.017 / 0.43	270	white	0553617
	717	70°	0.017 / 0.43	300	white	0553717
	817	80°	0.017 / 0.43	330	white	0553817
Rust protection paints Latex paints Dispersions	219	20°	0.019 / 0.48	120	white	0553219
	319	30°	0.019 / 0.48	150	white	0553319
	419	40°	0.019 / 0.48	190	white	0553419
	519	50°	0.019 / 0.48	225	white	0553519
	619	60°	0.019 / 0.48	270	white	0553619
	719	70°	0.019 / 0.48	300	white	0553719
	819	80°	0.019 / 0.48	330	white	0553819
	919	90°	0.019 / 0.48	385	white	0553919
Flame retardant	221	20°	0.021 / 0.53	120	white	0553221
	321	30°	0.021 / 0.53	150	white	0553321
	421	40°	0.021 / 0.53	190	white	0553421
	521	50°	0.021 / 0.53	225	white	0553521
	621	60°	0.021 / 0.53	270	white	0553621
	721	70°	0.021 / 0.53	300	white	0553721
	821	80°	0.021 / 0.53	330	white	0553821

1) Spray width at about 30 cm to the object and 100 bar (10 MPa) pressure with synthetic-resin paint 20 DIN seconds.

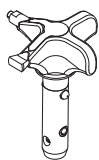


All of the tips in the table below are supplied together with the appropriate gun filter.

Application	Tip marking	Spray angle	Bore inch / mm	Spraying width mm 1)	Gun filter	Order no.
Roof coatings	223	20°	0.023 / 0.58	120	white	0553223
	323	30°	0.023 / 0.58	150	white	0553323
	423	40°	0.023 / 0.58	190	white	0553423
	523	50°	0.023 / 0.58	225	white	0553523
	623	60°	0.023 / 0.58	270	white	0553623
	723	70°	0.023 / 0.58	300	white	0553723
	823	80°	0.023 / 0.58	330	white	0553823
Thick-film materials, Corrosion protection Spray filler	225	20°	0.025 / 0.64	120	white	0553225
	325	30°	0.025 / 0.64	150	white	0553325
	425	40°	0.025 / 0.64	190	white	0553425
	525	50°	0.025 / 0.64	225	white	0553525
	625	60°	0.025 / 0.64	270	white	0553625
	725	70°	0.025 / 0.64	300	white	0553725
	825	80°	0.025 / 0.64	330	white	0553825
	227	20°	0.027 / 0.69	120	white	0553227
	327	30°	0.027 / 0.69	150	white	0553327
	427	40°	0.027 / 0.69	190	white	0553427
	527	50°	0.027 / 0.69	225	white	0553527
	627	60°	0.027 / 0.69	270	white	0553627
	827	80°	0.027 / 0.69	330	white	0553827
	229	20°	0.029 / 0.75	120	white	0553229
	329	30°	0.029 / 0.75	150	white	0553329
	429	40°	0.029 / 0.75	190	white	0553429
	529	50°	0.029 / 0.75	225	white	0553529
	629	60°	0.029 / 0.75	270	white	0553629
	231	20°	0.031 / 0.79	120	white	0553231
	331	30°	0.031 / 0.79	150	white	0553331
	431	40°	0.031 / 0.79	190	white	0553431
	531	50°	0.031 / 0.79	225	white	0553531
	631	60°	0.031 / 0.79	270	white	0553631
	731	70°	0.031 / 0.79	300	white	0553731
	831	80°	0.031 / 0.79	330	white	0553831
	233	20°	0.033 / 0.83	120	white	0553233
	333	30°	0.033 / 0.83	150	white	0553333
	433	40°	0.033 / 0.83	190	white	0553433
	533	50°	0.033 / 0.83	225	white	0553533
	633	60°	0.033 / 0.83	270	white	0553633
	235	20°	0.035 / 0.90	120	white	0553235
	335	30°	0.035 / 0.90	150	white	0553335
	435	40°	0.035 / 0.90	190	white	0553435
	535	50°	0.035 / 0.90	225	white	0553535
	635	60°	0.035 / 0.90	270	white	0553635
	735	70°	0.035 / 0.90	300	white	0553735
	439	40°	0.039 / 0.99	190	white	0553439
	539	50°	0.039 / 0.99	225	white	0553539
	639	60°	0.039 / 0.99	270	white	0553639
Heavy duty applications	243	20°	0.043 / 1.10	120	green	0553243
	443	40°	0.043 / 1.10	190	green	0553443
	543	50°	0.043 / 1.10	225	green	0553543
	643	60°	0.043 / 1.10	270	green	0553643
	445	40°	0.045 / 1.14	190	green	0553445
	545	50°	0.045 / 1.14	225	green	0553545
	645	60°	0.045 / 1.14	270	green	0553645
	451	40°	0.051 / 1.30	190	green	0553451
	551	50°	0.051 / 1.30	225	green	0553551
	651	60°	0.051 / 1.30	270	green	0553651
	252	20°	0.052 / 1.32	120	green	0553252
	455	40°	0.055 / 1.40	190	green	0553455
	555	50°	0.055 / 1.40	225	green	0553555
	655	60°	0.055 / 1.40	270	green	0553655
	261	20°	0.061 / 1.55	120	green	0553261
	461	40°	0.061 / 1.55	190	green	0553461
	561	50°	0.061 / 1.55	225	green	0553561
	661	60°	0.061 / 1.55	270	green	0553661
	263	20°	0.063 / 1.60	120	green	0553263
	463	40°	0.063 / 1.60	190	green	0553463
	565	50°	0.065 / 1.65	225	green	0553565
	665	60°	0.065 / 1.65	270	green	0553665
	267	20°	0.067 / 1.70	120	green	0553267
	467	40°	0.067 / 1.70	190	green	0553467

1) Spray width at about 30 cm to the object and 100 bar (10 MPa) pressure with synthetic-resin paint 20 DIN seconds.

2SpeedTip



The innovative changeover nozzle from WAGNER combines two nozzle cores into one nozzle.



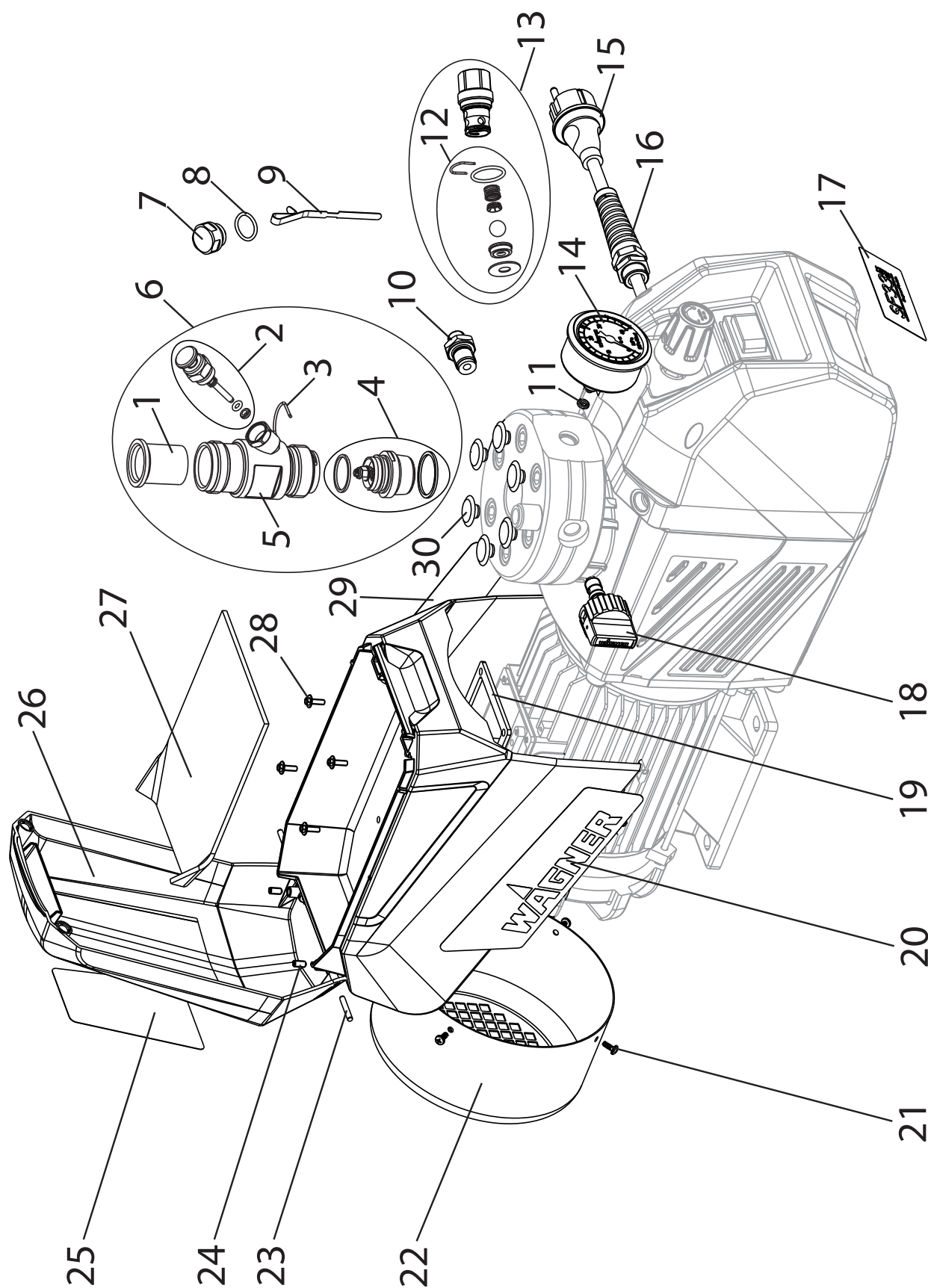
2 Speed Tip holder
Order no. 0271065

Tip table

Object size	Painting material		
	Lacquer (L)	Emulsion (D)	Filler (S)
Small		D5 Nozzles: 111 / 415 Order no. 0271 062	S5 Nozzles: 225 / 629 Order no. 0271 064
		D7 Nozzles: 113 / 417 Order no. 0271 063	
	L10 Nozzles: 208 / 510 Order no. 0271 042	D10 Nozzles: 111 / 419 Order no. 0271 045	S10 Nozzles: 527 / 235 Order no. 0271 049
Medium	L20 Nozzles: 210 / 512 Order no. 0271 043	D20 Nozzles: 115 / 421 Order no. 0271 046	S20 Nozzles: 539 / 243 Order no. 0271 050
Large	L30 Nozzles: 212 / 514 Order no. 0271 044	D30 Nozzles: 115 / 423 Order no. 0271 047	S30 Nozzles: 543 / 252 Order no. 0271 051
X-Large		D40 Nozzles: 117 / 427 Order no. 0271 048	
Recommended gun filter	red	white	-

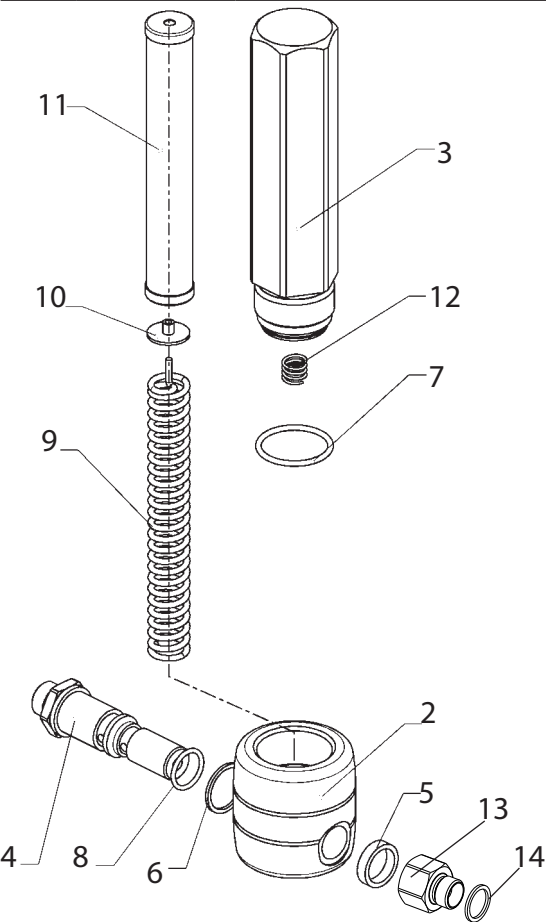
11.2 SPARE PARTS LIST SF 33 PRO

ITEM	ORDER-NO	DESIGNATION
1	0340 339	Inlet
2	2337 033	Inlet valve trigger
3	0341 336	Clasp
4	0341 247	Inlet valve complete
5	2334 383	Inlet valve housing
6	2385 577	Inlet valve housing compl.
7	0341 349	Oil cap screw
8	9971 146	O-ring
9	2370 128	Oil measuring stick
10	0344 336	Double socket
11	9970 109	Sealing ring
12	0341 702	Outlet valve, service set
13	2342 946	Outlet valve complete
14	2383 994	Pressure gauge
15	0261 352	Mains cable H07-RNF 3x 1.5mm ² , 6m long
16	2402 675	Cable threaded joint
17	2386 850	Label SF 33 Pro
18	0169 248	Relief valve compl.
19	2344 692	Motor gasket
20	2386 858	Label (right)
21	9902 225	Oval head screw 3.5x9.5
22	2392 781	Fan cover
23	9930 114	Cylindrical pin
24	9901 105	Threaded pin
25	2386 860	Label SF 33 Pro
26	2383 937	Tool box with lid compl. (incl. items 19, 23, 24)
27	2392 813	Anti-slip mat
28	9900 248	Hexagon bolt with flange
29	2386 859	Label (left)
30	9990 535	Protection cap



11.3 SPARE PARTS LIST HIGH-PRESSURE FILTER

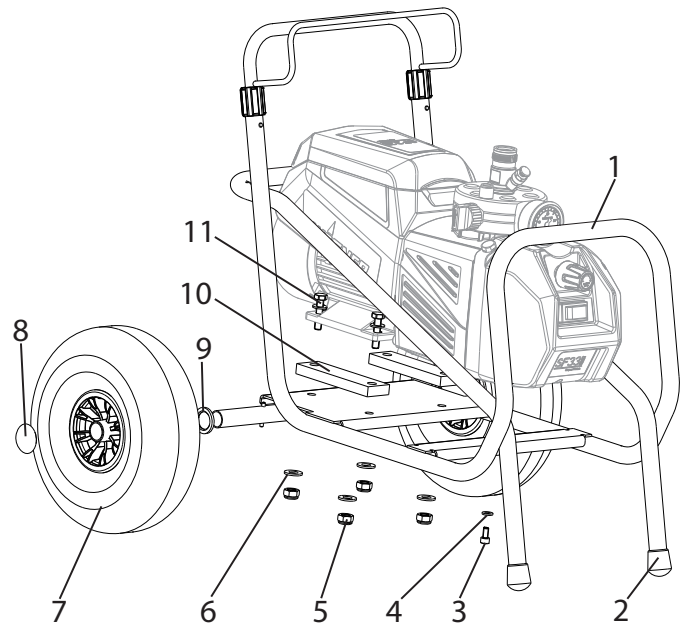
ITEM	ORDER NO.	DESIGNATION
1	2399 672	High-pressure filter HF- 01 compl.
2	0097 301	Filter block
3	0097 302	Filter housing
4	0097 306	Hollow screw
5	0097 304	Seal ring
6	9970 110	Seal ring
7	9974 027	O-ring 30x2 (PTFE)
8	9971 401	O-ring 16x2 (PTFE)
9	0508 749	Bearing spring
10	0508 603	Bearing ring
11	0508 748	Filter insert 60 meshes
	0508 450	Optional: Filter insert 100 meshes
	0508 449	Filter insert 30 meshes
12	9994 245	Pressure spring
13	2399 670	Screw-in connector
14	9970 103	Sealing ring



Spare parts diagram high-pressure filter

11.4 SPARE PARTS LIST TROLLEY

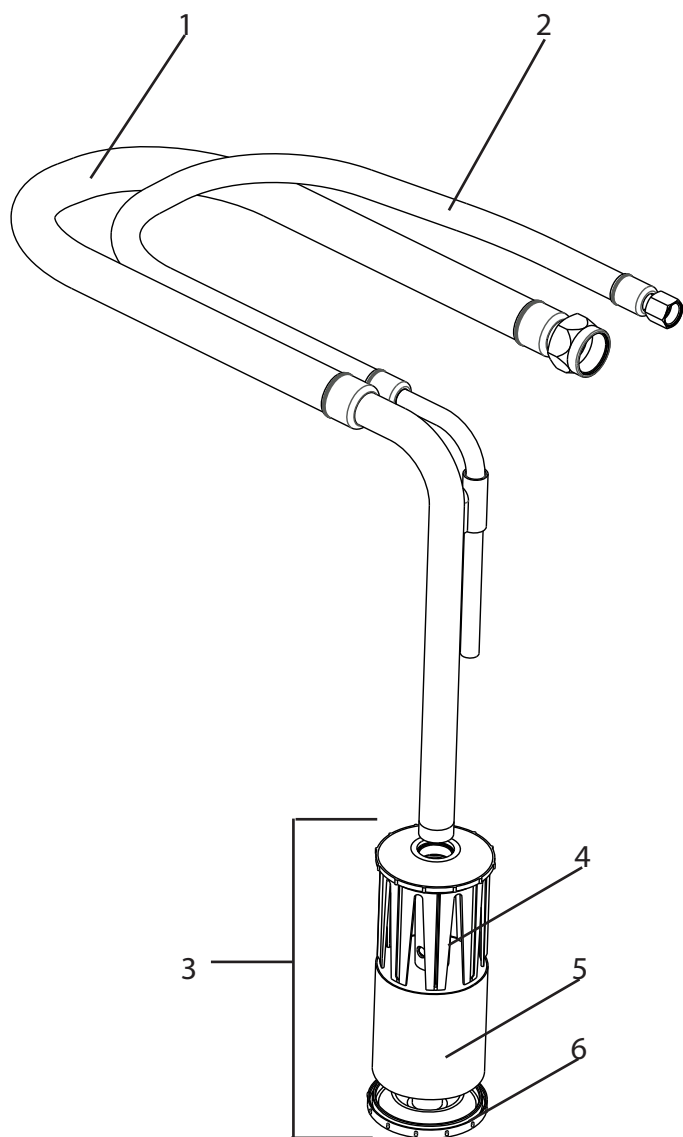
ITEM	ORDER NO.	DESIGNATION
1	2382 970	Trolley assy. (incl. pos. 2-11)
2	9990 866	Rubber cap
3	9900 346	Cylinder screw with hex socket
4	9920 103	Washer A 6,4
5	9913 011	Hexagon nut
6	9920 106	Washer A 10,5
7	0348 349	Wheel
8	9994 902	Wheel cap
9	9920 701	Washer
10	2384 275	Damping plate
11	9900 247	Hexagon screw



Spare parts diagram trolley

11.5 SPARE PARTS LIST SUCTION SYSTEM

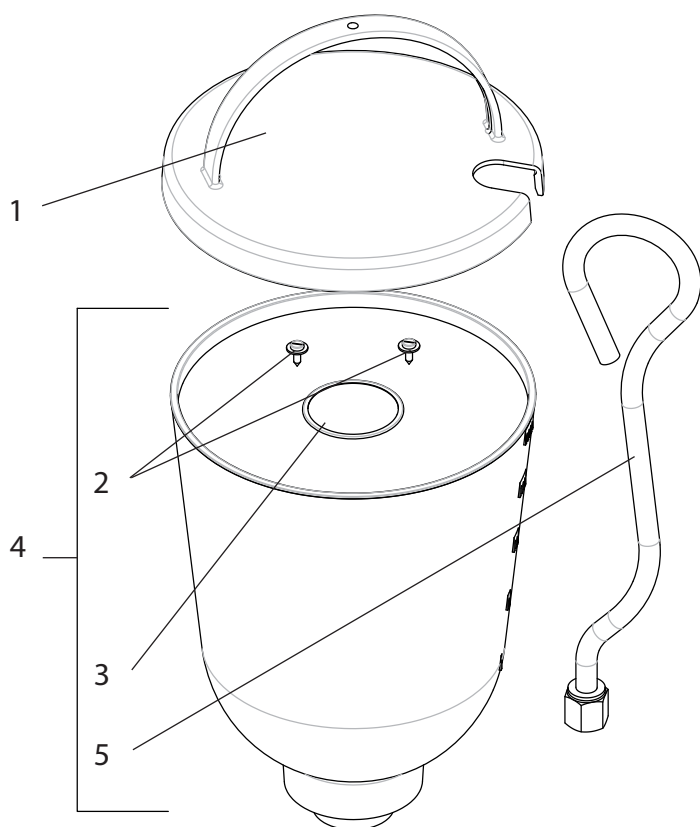
ITEM	ORDER NO.	DESIGNATION
	0034 630	Suction system assy.
1	0034 607	Suction hose compl.
2	0034 633	Return tube compl.
3	0036 580	Filter basket compl.
4	0036 586	Filtersieb
5	0036 581	Filter sieve
6	0036 582	Filter basket base



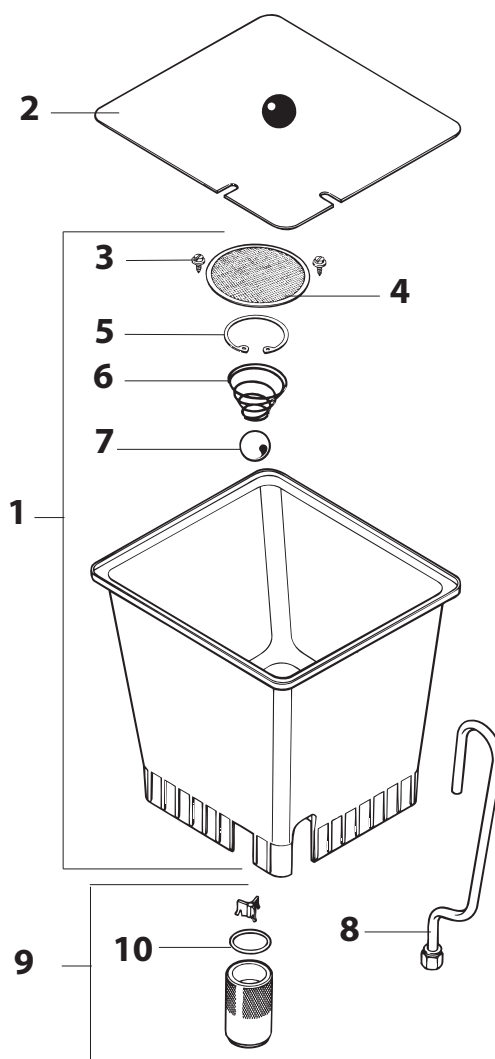
Spare parts diagram suction system

11.6 SPARE PARTS LIST HOPPER, 5 LITRES

ITEM	ORDER-NO	DESIGNATION
-	0341 265	Hopper 5 litres, assy
1	0340 901	Cover
2	9902 306	Sheet metal screw 3,9x13 (2)
3	0037 607 0003 756	Filter disk, mesh width 0,8 mm Optional: Filter disk, mesh width 0,4 mm
4	0340 904	Hopper
5	0340 908	Return ube

**Spare parts diagram hopper (5 L)****11.7 SPARE PARTS LIST HOPPER, 20 LITRES**

ITEM	ORDER-NO	DESIGNATION
-	0341 266	Hopper 20 litres, assy
1	0097 269	Hopper without cover
2	0097 270	Cover
3	9902 306	Sheet metal screw 3,9x13 (2)
4	0097 521	Filter disk, mesh width 0,8 mm
5	9922 609	Securing ring 37 x 1.5
6	0037 776	Pressure spring
7	9941 509	Ball 30
8	0097 295	Return tube
9	0097 271	Container adapter, assy
10	9971 065	O-ring 44 x 3

**Spare parts diagram hopper (20 L)**

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

According to an EU directive, the manufacturer is only liable without limitation for faults in the product if all parts come from the manufacturer or have been approved by the manufacturer and have been mounted to the device and are operated properly. If third-party accessories or spare parts are used, the manufacturer is exonerated wholly or partly from his/her liability if use of the third-party accessories or spare parts have caused a defect in the product. In extreme cases, the relevant authorities can completely prohibit using the entire device.

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.

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.

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 conclusively. 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 · Printed in Germany

EU Declaration of conformity

We declare under sole responsibility that this product (type: D702C) conforms to the following relevant stipulations: 2006/42/EC, 2014/30/EU, 2011/65/EU, 2012/19/EU

Applied harmonised norms:
EN ISO 12100, EN 1953, EN 60204-1, EN 61000-3-2,
EN 61000-3-3, EN 61000-6-1, EN 61000-6-3


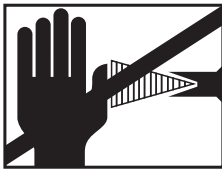
The EU declaration of conformity is enclosed with the product. If required, it can be re-ordered using order number **2403395**.

Traduction du mode d'emploi original

Avertissement!

Attention, danger de blessure par injection!

Les groupes Airless produisent des pressions de pulvérisation extrêmement élevées.

	  <p>Danger</p>
①	<p>Ne jamais amener les doigts, les mains ou d'autres parties du corps en contact avec le jet de pulvérisation!</p> <p>Ne jamais diriger le pistolet de pulvérisation vers soi, d'autres personnes ou des animaux.</p> <p>Ne jamais utiliser le pistolet de pulvérisation sans protection contre les contacts accidentels avec le jet de pulvérisation.</p> <p>Ne traitez jamais une blessure par pulvérisation comme une coupure sans importance. En cas de blessures à la peau occasionnées par le produit de revêtement ou le solvant, consulter immédiatement un médecin afin d'obtenir un traitement rapide et correct. Informez le médecin du produit de revêtement ou du solvant utilisé.</p>
②	<p>Avant toute mise en service, les points suivants doivent être respectés conformément au mode d'emploi:</p> <ol style="list-style-type: none"> 1. Les appareils défectueux ne peuvent pas être utilisés. 2. Verrouiller le pistolet de pulvérisation WAGNER avec le levier de protection sur la gâchette. 3. Vérifier la mise à la terre. 4. Vérifier la pression de service admissible du tuyau flexible haute pression et du pistolet de pulvérisation. 5. Contrôler l'étanchéité de toutes les pièces de raccordement.
③	<p>Respecter sans faute les instructions relatives au nettoyage et à l'entretien réguliers de l'appareil.</p> <p>Avant toute intervention sur le matériel et pendant chaque interruption de travail, observer les règles suivantes:</p> <ol style="list-style-type: none"> 1. Evacuer la pression du pistolet de pulvérisation et du tuyau flexible haute pression. 2. Verrouiller le pistolet de pulvérisation WAGNER avec le levier de protection sur la gâchette. 3. Arrêter l'appareil.

Veillez à la sécurité!

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B	WSB Finishing Equipment Veilinglaan 56-58 1861 Meise-Wolvertem Belgium Tel. +32/2/269 46 75 Telefax +32/2/269 78 45 info@wagner-wsb.nl	E	Makimport Herramientas, S.L. C/ Méjico nº 6 Pol. El Descubrimiento 28806 Alcalá de Henares (Madrid) Tel. 902 199 021/ 91 879 72 00 Telefax 91 883 19 59 ventas@grupo-k.es info@grupo-k.es	I	Wagner S.p.A. 23868 Valmadrera (Lc) Via Santa Vecchia, 109 Italia Tel./Fax 0341 210100 (centralino) wagner_it_va@wagner-group.com
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CZ	E-Coreco s.r.o. Na Roudné 102 301 00 Plzeň Czechia Tel. +420 734 792 823 Telefax 420 227 077 364 info@aplikacebarev.cz	RU	ООО Мефферт Полилюкс 142407 Россия, Московская обл, Ногинский р-н, территория «Ногинск-Технопарк» д.14 Tel. +7 495 221 6666 Telefax +7 495 99 55 88 2 2216666@m-p-l.ru dis@m-p-l.ru		