Translation of the original operating instructions

Warning!

Mortar spraying machines develop high spraying pressures.

	**Attention – Danger of injury!**
1	**Never reach into the spray jet with your fingers or hand!** **Never point the spray lance at yourself or other persons!** **Coating materials are caustic or irritating!** **Protect your skin and eyes!**
2	**The following points are to be observed in accordance with the operating manual before every start-up:** 1. Observe the permissible pressures. 2. Check all the connecting parts for leaks.
3	**Instructions for regular cleaning and maintenance of the machine are to be observed strictly.** **Observe the following point before any work on the machine and at every working break:** 1. Observe the curing time of the coating material. 2. Depressurize the spray lance and mortar hose. 3. Switch off the suction pump.

Ensure safety!

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1 SAFETY REGULATIONS

The following sources are just a sample of those containing safety requirements for mortar conveyors:

a) **EN 12001:2003, Conveying, spraying and placing machines for concrete and mortar - Safety requirements**

All local safety regulations in force must be observed.

The following specifications are to be observed in particular to handle mortar spraying machines safely:

Usage of the mortar spraying machine

The mortar spraying machine PlastCoat 830 may only be used to process the coating materials described on page 33. **Any other usage is not allowed.**
Proper usage also includes the observance of the operating manual and the observance of the inspection and maintenance conditions. Always keep the operating manual on hand at the point of use of the mortar spraying machine.
The mortar spraying machine PlastCoat 830 may only be operated with a manometer. Only the mortar hose specified by the manufacturer may be used.
Use only marked mortar hoses with at least 40 bars operating pressure.
The mortar spraying machine is intended exclusively for commercial use by professionals.

Protection of persons

In order to protect eyes, skin and the respiratory organs: **Wear safety goggles, protective clothing, gloves, possibly use protective skin cream and respiratory equipment**. Do not decouple the mortar hose as long as it is under pressure. Watch the manometer! Wear safety goggles! Do not point the spray lance at persons!
In order to protect your ears **wear ear protection.**
Wear safety shoes when transporting the machine or working with it.
People not needed to assist with machine installation, assembly or operation, must keep away from the machine.
The PC 830 is equipped with an EMERGENCY STOP switch for emergencies.

Breathing masks

Make a breathing mask available to the processor in order to protect against mineral dust.

Connection to the mains network only via a special feeding point, for example via a distribution board for construction sites, with residual current protective device with INF ≤ 30 mA.

Avoid soiling of the socket for the remote control at the control unit.

Risk of injury from escaping material. Before switching on, always check that the material tap on the spray lance is closed. Close material tap whenever stopping work.

Never operate the mortar spraying machine if the rotor is exposed or if the container has been removed.
Do not reach into the rotor when it is moving. Risk of crushing.
Caution if you have long hair. Only wear close-fitting clothes at work.
Do not insert objects or body parts through the protective grid.
Risk of crushing when folding in the handles, assembling the pump unit and connecting the mortar hose.

Cleaning and maintenance

Never decouple mortar hose or disassemble machine when under pressure. Note pressure reading on pressure gauge.
When performing maintenance work, always switch off mortar spraying machine, disconnect mains plug and ensure it cannot be plugged back in by mistake.
Do not spray down the motor and control unit of the mortar spraying machine with a water-jet, high-pressure cleaner or high-pressure steam cleaner. Danger of short-circuits caused by water ingressing.

Electrical equipment

Work on the machine's electrical equipment may be carried out only by a qualified electrician. The electrical equipment is to be checked regularly. Eliminate faults such as loose connections or scorched cables.

Keep the label on the mortar spraying machine clean and legible.

Whenever the machine is automatically brought to a standstill or during power failure, immediately move the selector switch to "A" to prevent the machine starting back up again unintentionally. There is a danger of injury.

Mortar hose

⚠	**Danger of injury through leaking high-pressure hose. Wear and tear and links as well as usage that is not appropriate to the purpose of the device can cause leakages to form in the mortar hose. Liquid can be injected into the skin through a leakage.**

Mortar hoses must be checked thoroughly before they are used.
Replace any damaged mortar hose immediately.
Never repair defective mortar hoses yourself!
Avoid sharp bends and folds: the smallest bending radius is about 80 cm.
Do not drive over the mortar hose. Protect against sharp objects and edges.
Never pull on the mortar hose to move the device.
Do not twist the mortar hose.
Lay the mortar hose in such a way as to ensure that it cannot be tripped over.

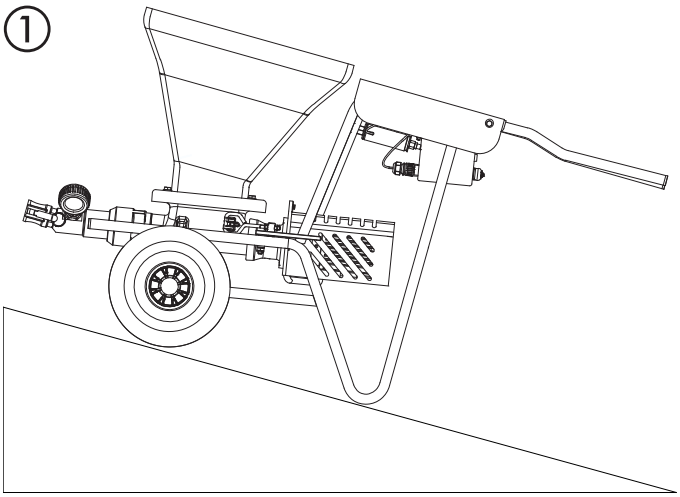
i	Only use WAGNER original-mortar hoses in order to ensure functionality, safety and durability.

i	The risk of damage rises with the age of the mortar hose. Wagner recommends replacing mortar hoses after 6 years.

Setup on an uneven surface

The mortar spraying machine must be installed as shown in the diagram below to prevent it slipping.

①



2 INTRODUCTION TO WORKING WITH THE MORTAR SPRAYING MACHINE PLASTCOAT 830

The suction pump PlastCoat 830 is conceived for using and processing ready mixed mineral coating materials.
The machine is not designed for use as a cleaning device.

2.1 FUNCTION OF THE MORTAR SPRAYING MACHINE PLASTCOAT 830

The coating material is supplied by means of the container. The spiral conveyor feeds the coating material to the eccentric screw pump. The suction effect causes the coating material to enter the eccentric screw pump. This pump builds up the pressure required for transportation through the mortar hose. The compressed air required for atomisation is supplied at the spray lance. The mortar spraying machine can be switched on and off using the electric control. This can also be used to control the delivery volume.
A soft even spray pattern can be achieved by means of the smoothly regulated convey capacity of the coating material.

2.2 PROCESSIBLE COATING MATERIALS

- Thermal insulation composite system bonding agent (mineral and artificial resin systems)
- Artificial resin plasters up to 3 mm granular size
- Silicate plasters up to 3 mm granular size
- Silicone resin plasters up to 3 mm granular size
- Mineral final coats up to 3 mm granular size
- Lightweight plaster systems up to 3 mm granular size
- Scraped stucco up to 3 mm granular size
- Thermal insulation plasters
- Restoration plaster
- Porous concrete coating
- Quartz plastic
- Roof coatings
- Fire protection coatings
- Mineral sealing sludges
- Bitumen emulsions
- Armoring filler
- Liquid wood-chip wall paper
- Casement grouting mortar
- Artificial resin rendering base
- Wash primer
- Filling paint, also fibrous
- Elastic coating
- Acoustic plaster, artificial resin bonded
- Fillers, artificial resin bonded

All the coating materials must be suitable for machine processing. Refer to the product data sheet of the coating material to be processed.
Use other coating materials only after agreement with the manufacturer or the WAGNER application technology service.

3 TECHNICAL DATA

	PlastCoat 830
Voltage:	230 V~, 50 Hz
Fusing:	16 A time-lag
Device supply cable:	5 m long, 3 x 1.5 mm^2
Motor output P_1:	1.8 kW
Max. convey capacity (water):	12 l/min
Max. operating pressure:	40 bar
Max. granular size:	K3 mm
Dimensions L x W x H:	1100 x 550 x 820 mm
Container capacity:	45 l
Weight (PlastCoat 830):	52 kg
Weight (Spray lance):	2.1 kg
Max. tyre pressure:	2.5 bar
Degree of protection:	IP 55
Max. sound pressure level:	70 dB (A)*
Atomizing air connection:	Rapid action coupling DN 7.2 mm
Max. atomizing air pressure:	10 bar
Minimum required compressed air volume:	280 l/min
Max. mortar hose length:	30 m (and 2.5 m hose whip)
Max. delivery height:	20 m

* Place of measurement: 1 m distance from unit and 1.60 m above reverberant floor.

4 EXPLANATORY DIAGRAM FOR PLASTCOAT 830

1 Control unit

2 Indicator light red (indicates the presence of a malfunction)

3 Operating light green (indicates that mains voltage is present)

4 Control panel with selector switch for operating mode and delivery volume controller

5 EMERGENCY STOP switch

6 Compressor air hose connection (pneumatic version only)

7 Spray lance air hose connection (pneumatic version only)

8 Base frame with wheels

9 Remote control connection

10 External controller connection

11 Mortar hose with air hose complete

12 Spray lance (figure: Automatic version)

13 Container

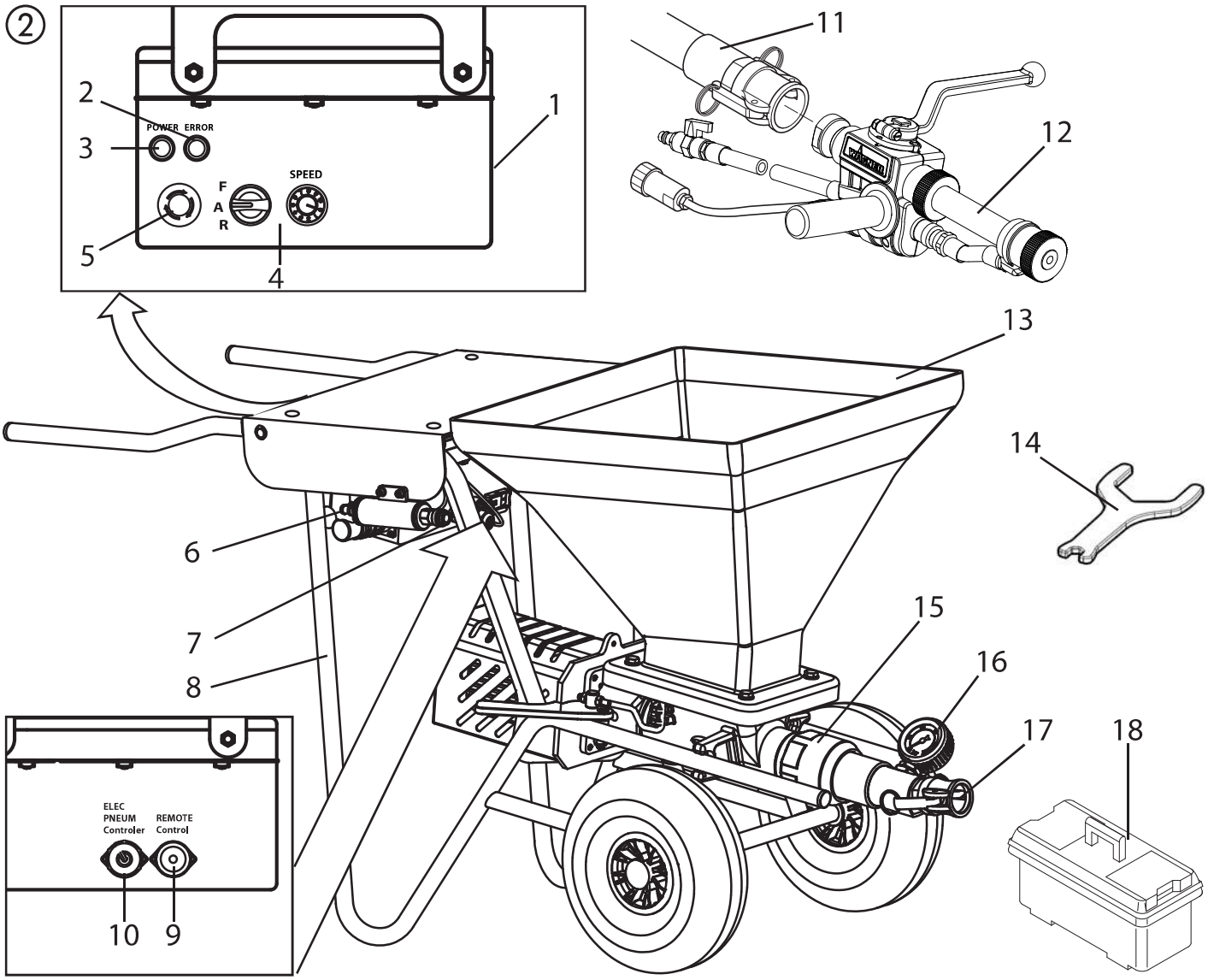
14 Special key

15 Pump unit with inside screw pump

16 Manometer

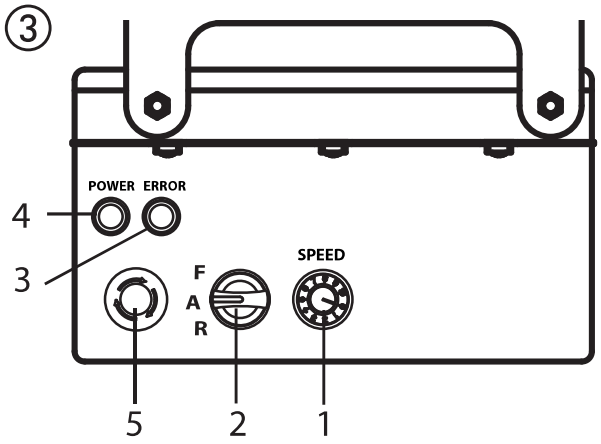
17 Connecting coupling for mortar hose

18 Tool box



4.1 OPERATING ELEMENTS AND DISPLAYS ON DEVICE

1 Delivery volume controller 0-10
2 Selector switch for operating mode
3 Indicator light (Error)
4 Operating light (Power)
5 EMERGENCY STOP switch



The delivery volume controller (Fig. 3, 1) is used to regulate the convey capacity from 0-10 smoothly.

i	The remote control (available separately, art. no. 2308 417) can be used to conveniently control the pump's delivery volume from the spray lance.

The selector switch (Fig. 3, 2) offers the following modes:

F A R	"A" position = automatic Basic setting for control with an automatic spray lance, pneumatic spray lance or remote control
F A R	"F" position = manual activation Switches on the mortar spraying machine. This setting is required for: • disassembling the pump unit When using the pneumatic lance, this setting is also needed for: • pre-rinsing the mortar hose to improve the material's ability to slide • cleaning
F A R	"R" position = reverse gear (must be held in this position). This setting is required for: • relieving pressure on the mortar hose • assembling the pump unit

Detailed explanation of selector switch use:
If the selector switch is in the "A" position, the PC830 can be switched on and off with the material shut-off on the automatic or pneumatic spray lance.
If there is no spray lance fitted (e.g.: assembly/disassembly the pump unit), the machine is switched on using the "F" switch position and off using the "A" position.
Since the air supply through the compressor needs to be switched off to clean the mortar hose, the pneumatic lance is not controlled using the material shut-off. In this case, the machine must therefore also be switched on using the "F" position.

⚠	Important: control via the selector switch and material shut-off are treated equally. The machine can be switched from the "A" position (control using material shut-off) to "F" at any time. We would therefore recommend that only one person operate the machine.

The operating light (green, Fig. 3, 4) indicates that the machine is energised and ready.
When the mains plug is connected the PC 830 carries out a function check. While this is going on the indicator light (red, fig. 3.3) flashes. If everything is in working order, the flashing stops after about 30 seconds. If the indicator light lights up during operation, this indicates that there is a malfunction. For detailed information about this kind of fault, refer to the „Rectification of faults" section on page 46.

i	If the selector switch is in the "F" position when the mains plug is plugged in, the machine will not switch on. Briefly move selector switch to "A" and then back to "F" to switch on the machine.

EMERGENCY STOP switch
When the EMERGENCY STOP switch is pressed, the PC 830 is switched off immediately.
Turn the EMERGENCY STOP switch in order to release it again. The machine remains switched off after release. To switch it on again, the selector switch must be briefly set to "A" and then to "F".

4.2 DRIVE

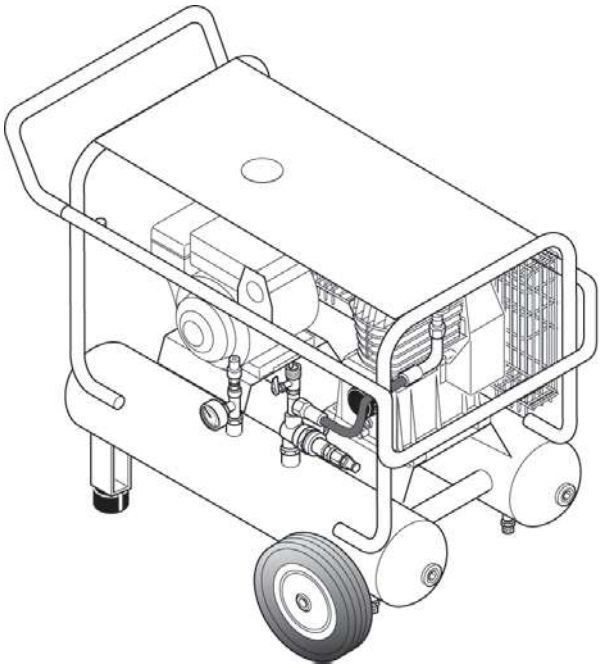
When an overload occurs, the mortar spraying machine switches off automatically (red indicator light lights up).
Move selector switch (Fig. 3, 2) to "A" and disconnect mains plug. Set delivery volume controller (Fig. 3, 1) to „0".
Wait around 5 minutes, then plug the mortar spraying machine back in and switch on. Set the delivery volume required.

i	The drive unit heats up during operation. This is normal and not a sign of malfunction.

4.3 COMPRESSOR (ACCESSORY)

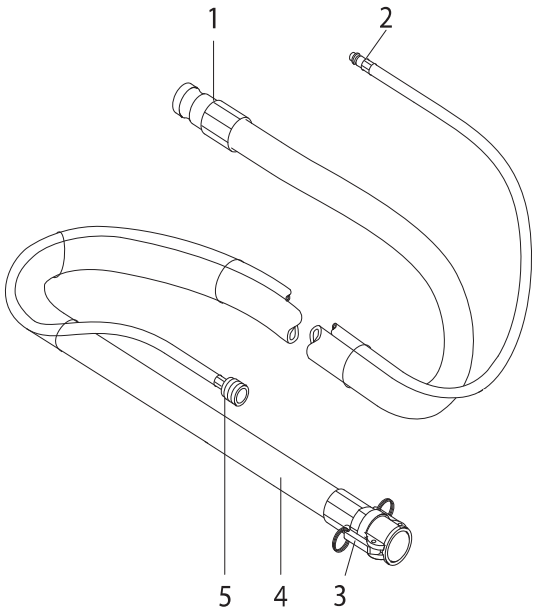
VKM 592 intake volume 590 l/min

Note:
Only operate the compressor in accordance with the enclosed operating manual.



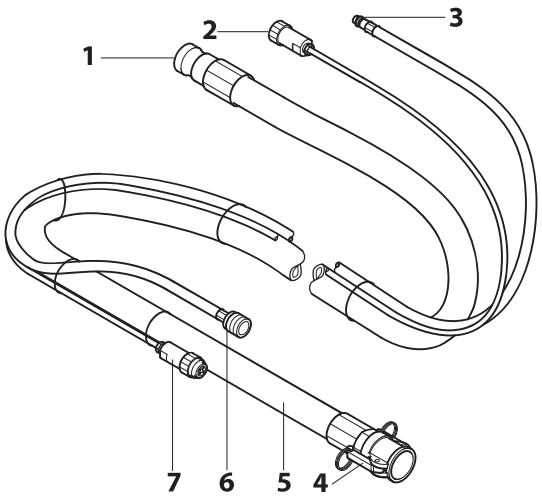
4.4 MORTAR HOSE FOR PNEUMATIC SPRAY LANCE

1 Material connection mortar spraying machine
2 Atomizing air connection compressed air supply
3 Material connection spray lance
4 Mortar hose
5 Atomizing air connection spray lance



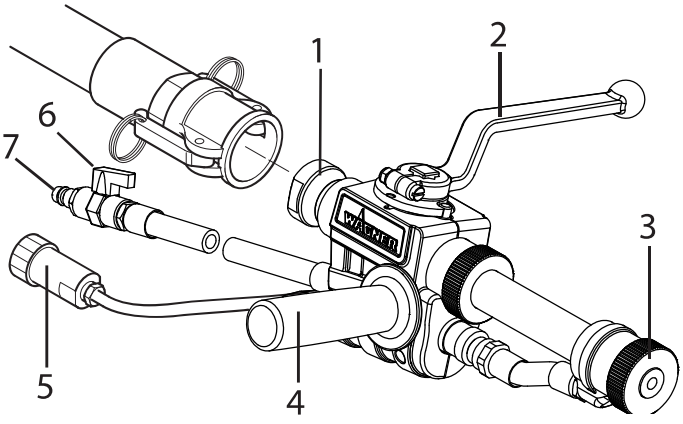
4.5 MORTAR HOSE FOR AUTOMATIC SPRAY LANCE

1 Material connection mortar spraying machine
2 Control cable connection / controller
3 Atomizing air connection compressed air supply
4 Material connection spray lance
5 Mortar hose
6 Atomizing air connection spray lance
7 Control cable connection/ automatic spray lance



4.6 SPRAY LANCE

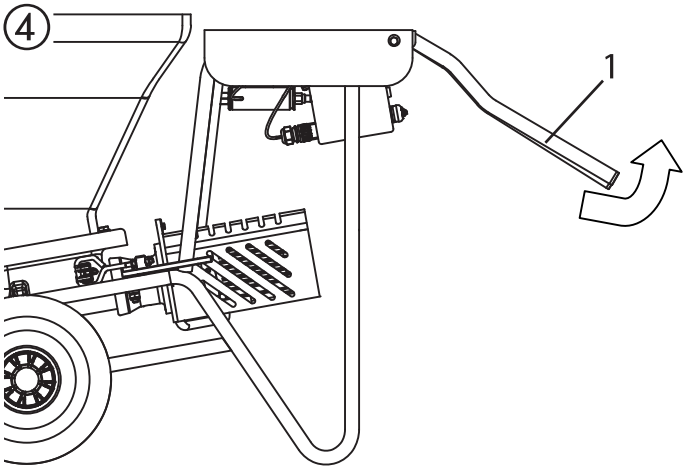
1 Material connection
2 Combined material and air tap:
Open: material tap at 90° to spray lance
Closed: material tap points forwards
3 Texture tip:
Various texture tips can be used in the spray lance. The tip size depends on the granular size of the coating material and the desired spray pattern.
4 Hand-grip:
The hand-grip can mounted to either the right or left side of the spray lance, depending on what is required. The thread on the other side can be closed by way of the attached stoppers for protection.
5 Control cable connection (automatic version only)
6 Air flow regulator
7 Atomization air connection



5 TRANSPORTATION

5.1 MOVING

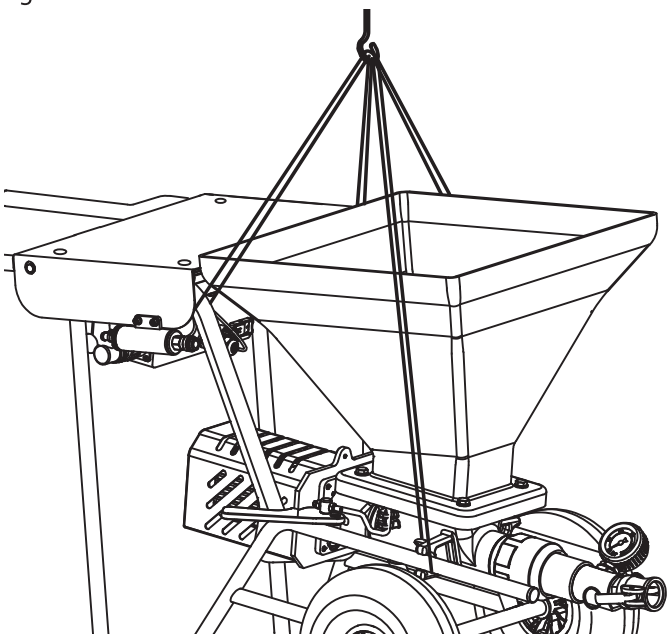
Roll up mains cable and remove hose.
Handles (fig. 4.1) are folded upwards.
Raise the PC 830 by the handles to facilitate pulling or pushing by hand.
To fold the handles inwards, turn them and then push downwards.



⚠	**Make sure that 2 people are available to carry the device on stairs.**

5.2 TRANSPORT USING A CRANE

For attaching points for the straps or rope (not wire cable) see figure.



5.3 TRANSPORTATION IN VEHICLE

Secure the unit in the vehicle by means of suitable fasteners.

ℹ	To avoid material residues leaking from the machine, clean the device in advance or lock the mortar connection.

6 COMMISSIONING

6.1 INSTALLATION LOCATION

Position mortar spraying machine in a level position to prevent it from sliding away.

6.1.1 CONNECTION TO MAINS POWER SUPPLY/ EXTENSION CABLE

Connection to the mains network only via a special feeding point, for example via a distribution board for construction sites, with residual current protective device with INF ≤ 30 mA.

⚠	Lay the device supply cable so that there is no danger of stumbling. Protect against damage, for example against being driven over.

⚠	Min. wire cross-section 3 x 1.5 mm^2. Unroll the extension cable completely. Ensure that the coupling pieces and plugs are free of damage.

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

6.2 INITIAL STARTING-UP

6.2.1 SCOPE OF SUPPLY

The machine is supplied by the manufacturer in the following individual components:
- Complete basic machine comprising drive unit, control unit, receptacle and transport frame with wheels
- Stator
- Tool : Special key
- Hose package
- Spray lance
- Pump sliding means

6.2.2 ASSEMBLY (FIG. 5)

Push the clamping lever (1) forwards to release the lock.
Unhook the hooks (2) and fold them away to the side.
Remove the pump unit (3) at the container from the rotor (4).
Using the supplied specialised wrench, loosen the union nut (5) on the pump unit (3) to separate the pump unit from the pump tube (6).
Spray stator (7) with a suitable pump lubricant.
Insert stator (7) in pump tube (6) such that the journal sits in the largest recess.
Spray rotor (4) with a suitable pump lubricant (order no. 9992 824).
Move selector switch (8) to "A" and set delivery volume controller (9) to „0".
Connect mains plug to mains power supply.
The operation light (10) shows operational readiness.
The red indicator light (11) flashes during the function check for about 30 seconds.

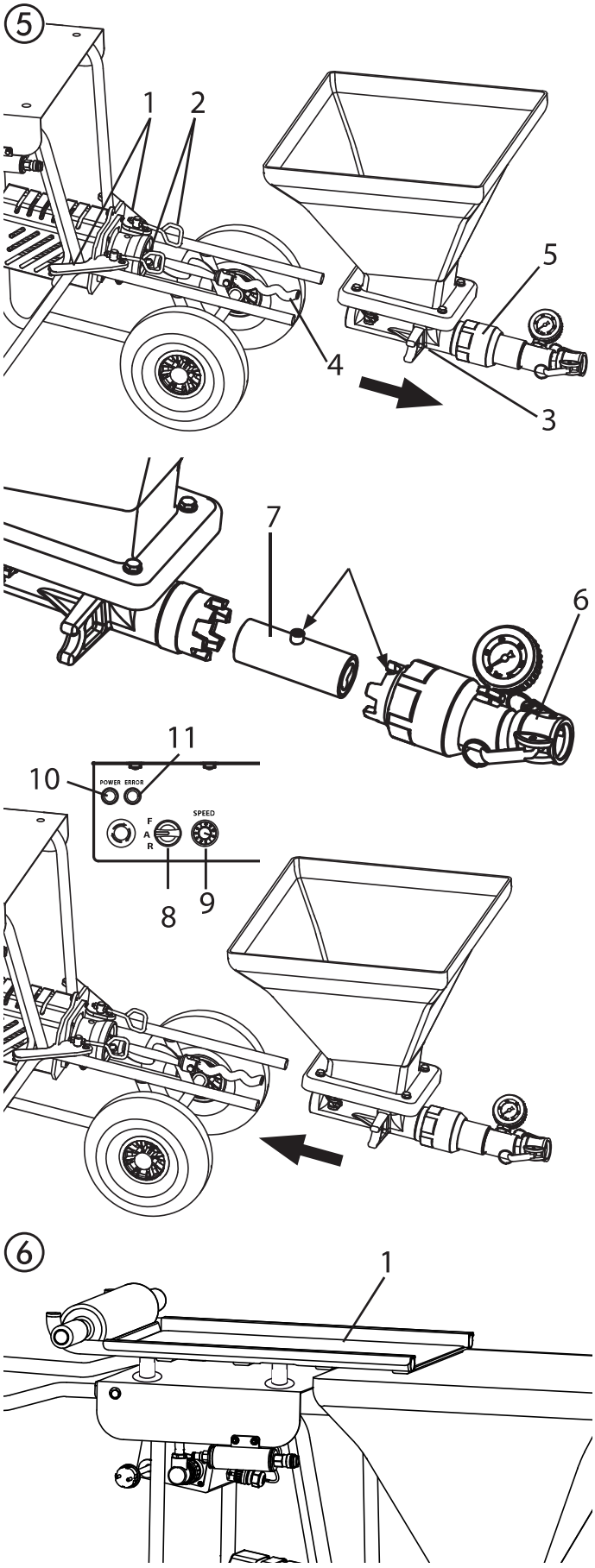
⚠	**Disconnect the remote control and external controls. Only the person controlling the machine may assemble the pump unit.** **Never operate mortar spraying machine with an exposed rotor.** **Do not reach into the rotor when it is moving. Risk of crushing.** **Caution if you have long hair. Only wear close-fitting clothes at work.**

Insert the pump unit (3) into the guide rails and push over the rotor (4).
Hold on to the pump unit at the container.
Set delivery volume controller (9) to 1 or 2.
Set the selector switch (8) to "R" and hold it there to allow the pump to run in reverse. The pump unit is automatically drawn up by the rotor.
As soon as the pump unit has reached the final position, release the selector switch (8).
Hook both hooks (2) into the pump unit and push the clamping lever (1) up as far as it goes to secure the pump unit.

i	After assembling the pump unit, secure the union nut (5) on the pump unit, using the specialised wrench to do so. In the process, we recommend running the machine at a slow pace (selector switch on "F").

6.2.3 ASSEMBLING THE BAG SUPPORT (ACCESSORY)

Insert the bag support (fig. 6.1) into the holes at the top of the PC830.
Secure from below using the 4 hex bolts.



6.3 CONNECTING THE MORTAR HOSE

6.3.1 AUTOMATIC SPRAY LANCE

- Check that the pump unit is seated firmly.
- Connect the mortar hose (Fig. 7, 1) and secure it with the clamping levers (Fig. 7, 2).
- Connect the atomizing air connection at the mortar hose to the compressed air supply, for example the compressor (accessory).

6.3.2 PNEUMATIC SPRAY LANCE

- Check that the pump unit is seated firmly.
- Connect mortar hose (Fig. 7, 1) and secure with clamping levers (Fig. 7, 2).
- Connect atomising air connection on mortar hose to front connection on handle (Fig. 8,1) and compressor air hose (accessory) to rear connection on handle (Fig. 8,2).

6.4 COMPRESSOR (ACCESSORY)

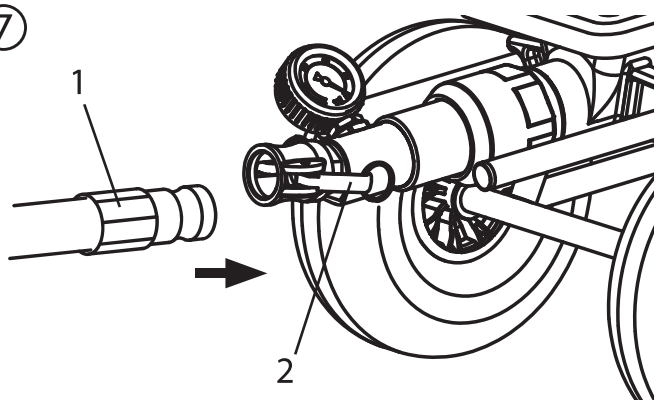
Place the compressor at a secure location next to the mortar spraying machine and connect it to the mains network.
Note:
Only operate the compressor in accordance with the enclosed operating manual.

6.5 SPRAY ATTACHMENT ASSEMBLY (ACCESSORIES)

i	Different accessories can be mounted to the spray lance, depending on the application, e.g. an extension can be attached. A precise overview can be found in the "Accessories" chapter.

- Disengage the quick connector and pull the air hose (fig. 9, 1) out of the lance.
- Loosen the locknut (2) and remove the material hose (3).
- Insert the material hose and air hose (if available), which are part of the accessory, into the spray lance and secure by tightening the locknut. (Fig. 10)
  Attention: Make sure the O-ring (fig. 10, 4) is not damaged.

⑦



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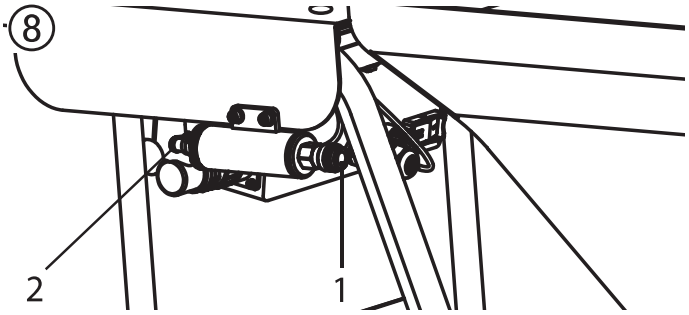

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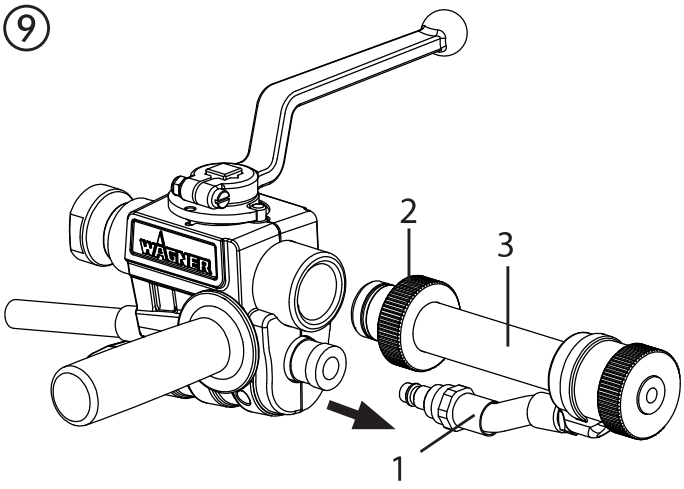

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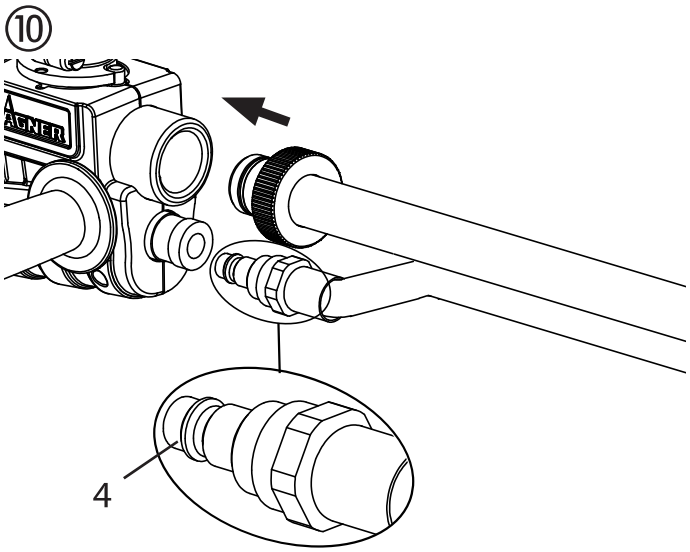


6.6 CONNECTING THE SPRAY LANCE (FIG. 10)

- Select a spray tip suitable for the material:

The tip size should amount to at least three times the granular size, e.g.
granular size artificial resin plasters –> 3 mm
Tip size –> 10 mm

- Mount the texture tip (1) in the spray lance with the cone pointing towards the spray head.
- Connect the spray lance (2) to the material hose and secure by applying the levers (3).
- Close the material tap (4) (material tap points forwards).
- Connect atomization air connection (5) to the air hose of the mortar hose.
- Screw coupling plug (6) for remote control to the control cable of the mortar hose. **(Automatic version only)**
- Connect mortar hose's control cable to pump connection. (Fig. 12) **(Automatic version only)**
- Set selector switch to "A".

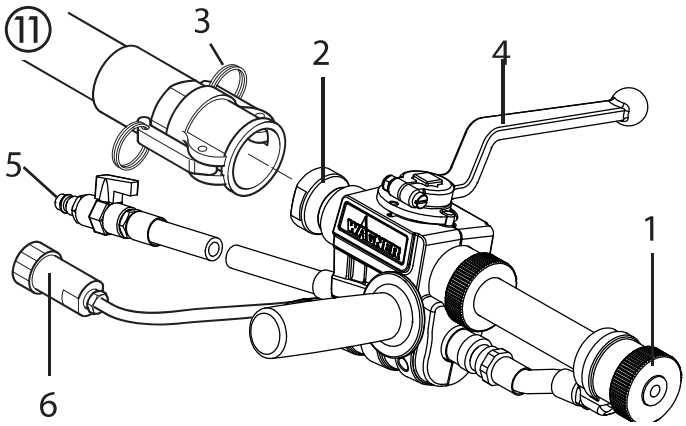
6.7 REMOTE CONTROL (ACCESSORY/ NOT INCLUDED IN THE SCOPE OF DELIVERY)

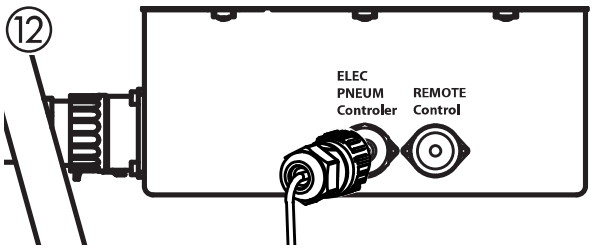
The remote control can be used to set the operating mode (Fig. 13, 1) and delivery volume (Fig. 13, 2) without the operator having to physically go to the machine.
The remote control can be secured to the spray lance with a cable tie.

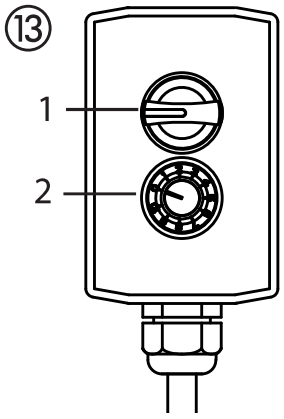
6.7.1 REMOTE CONTROL ASSEMBLY

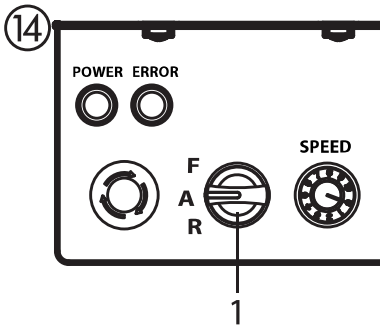
- Ensure that the selector switch (Fig. 14, 1) is in the "A" position and that the mains plug is disconnected.
- Connect connection cable to connection.
- Connect mains plug to mains power supply.

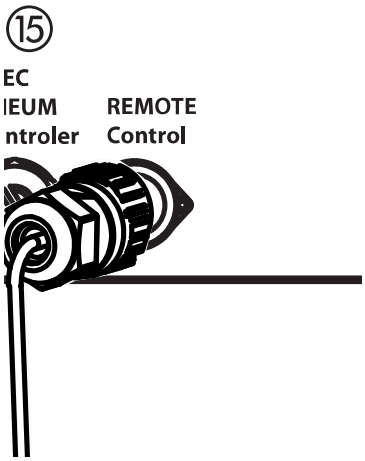
i	When the remote control is attached, the PC 830 can no longer be controlled via the device operating panel.
i	If the connection cable is disconnected from the pump, the pump automatically switches off.











6.8 PREPARING THE MORTAR SPRAYING MACHINE (FIG. 16)

Recommended sliding means for the mortar hose

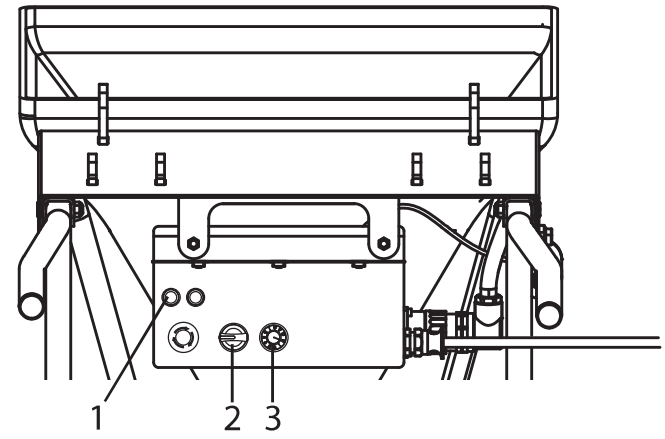
⚠	Water is not sufficient as a sliding means. Danger of clogging! Use cellulose paste (e.g. Metylan wallpaper paste, art no. 2312136)

- Fill 2–3 l cellulose paste into the container.
- Connect the mortar spraying machine to the mains supply. The operation light (1) shows operational readiness.

⚠	**Risk of injury from escaping material. Before switching on, always check that the material tap on the spray lance is closed (material tap points forwards). Close material tap whenever stopping work.**

- Set selector switch (2) to "A".
- Set delivery volume controller (3) to „3".

⑯



6.8.1 RINSE THE MORTAR HOSE (AUTOMATIC SPRAY LANCE)

- Close the air flow regulator (fig. 17.2).

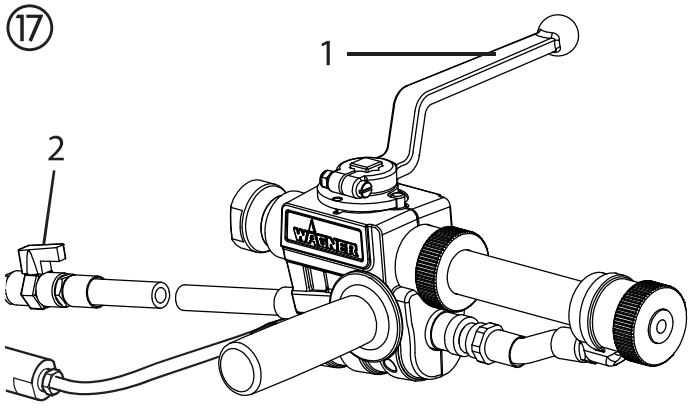
⚠	**Do not bend the mortar hose! Protect it against damage, for example against being driven over as well as against sharp objects and edges.**

- Hold spray lance over an empty bucket.
- Open material tap (Fig. 17, 1) on spray lance (material tap at 90° to spray lance), the mortar spraying machine is switched on.
- If cellulose paste comes out of the tip, close the material tap (fig. 17, 1) (material tap points forwards).
- Fill coating material into the receptacle.

i	With mineral coating materials only fill the receptacle to half full.

- Position the spray lance over the bucket again.
- Replace container and lubricant with container and coating material.
- Hold spray lance above container with cellulose paste.
- Open material tap (Fig. 17, 1) on spray lance.
- As soon as coating material exits from spray lance, close material tap (Fig. 17, 1).
  The mortar spraying machine is now full and ready.

⑰



6.8.2 RINSE THE MORTAR HOSE (PNEUMATIC SPRAY LANCE)

- Switch off compressor.

⚠	**Do not bend the mortar hose! Protect it against damage, for example against being driven over as well as against sharp objects and edges.**

- Hold spray lance over an empty bucket.
- Set selector switch to "F".
- Open material tap (Fig. 18, 1) on spray lance. (Material tap at 90° to spray lance)
- If cellulose paste comes out of the tip, close the material tap (fig. 18, 1) (material tap points forwards).
- Set selector switch to "A".
- Fill coating material into the receptacle.

i	With mineral coating materials only fill the receptacle to half full.

- Position the spray lance over the bucket again.
- Set selector switch to "F".
- Open material tap (Fig. 18, 1) on spray lance.
- As soon as coating material exits from spray lance, close material tap (Fig. 18, 1).
- Set selector switch to "A".
- Switch on compressor.
  The mortar spraying machine is now full and ready.

6.8.3 FILLING THE CONTAINER WITH A BAG SUPPORT (ACCESSORY)

- Place bag on support such that the face end is facing the opening.
- Cut sack open.
- Allow the coating material to flow into the receptacle.

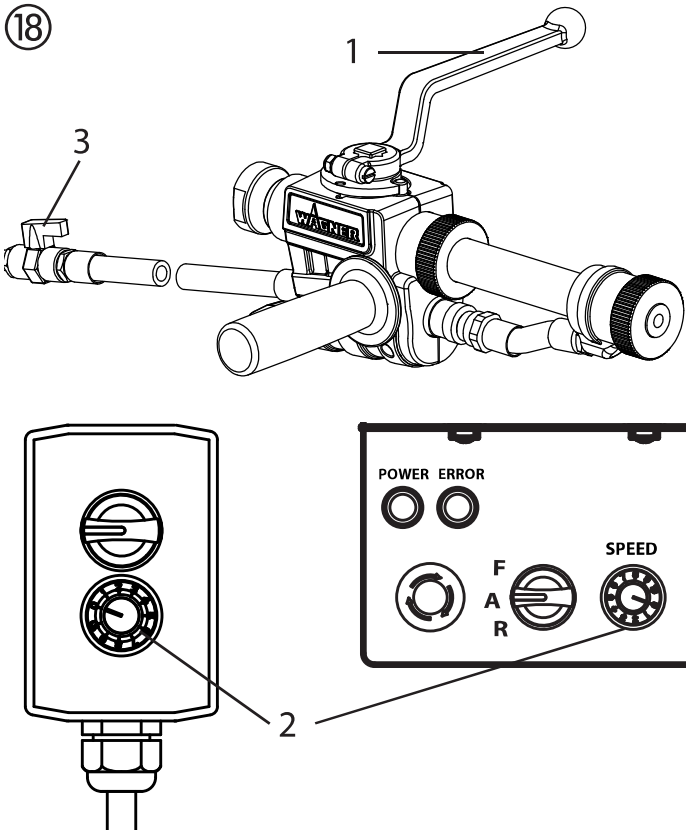
⚠	**Danger of crushing** **Do not place hands under the roller.**

- Place pressing roller on rear end of bag and roll forwards several times over the bag.

i	With mineral coating materials only fill the receptacle to half full.

- Strip remaining coating material from sack opening with a spatula.

⑱



6.9 BEGINNING OF THE SPRAYING PROCESS

- Open the air flow regulator (fig. 18, 3) and the material tap (18, 1) at the spray lance.
- Adjust the flow of material with the delivery volume controller (fig. 18, 2) on the control unit and set the air quantity by adjusting the air flow regulator (fig. 18.3) to attain the desired spray pattern.

i	**Important: Do not let the mortar spraying machine run dry. Switch the device off immediately if no more material comes out of the tip or if the spray line becomes irregular. Possible reasons for the problem and how to correct it can be found in the chapter called „Eliminating faults".**

i	**Increased material tap wear. Do not use the material tap to set the material volume. The delivery volume controller should be used for this purpose.**

6.10 END OF THE SPRAYING PROCESS

- Close the material tap (Fig. 18, 1).
- Close the air flow regulator (fig. 18.3).

⚠	**Always close material tap at end of the spray process.**

7 GENERAL INFORMATION ABOUT THE APPLICATION TECHNIQUE

7.1 SPRAYING TECHNIQUE

While spraying hold the spray lance at a uniform distance of 30 – 60 cm from the object. Otherwise the spray pattern will be uneven.
The spray pattern depends on the coating material, viscosity, tip size, convey capacity and amount of atomizing air.

Examples:
Fine texture –> large amount of atomizing air
Rough texture –> small amount of atomizing air
Higher convey capacity –> larger amount of atomizing air

Test the desired texture on a test surface.
The lateral limit of the spray jet should not be too sharp. The distance between the spray lance and the object should therefore be selected correspondingly.
The spray edge should be gradual in order to facilitate overlapping of the next coat.
If the spray lance is moved parallel and at an angle of 90° to the surface to be coated, the paint mist is minimized.
Note:
Grains and pigments with a sharp edge result in a high rate of wear of the pump, mortar hose, material tap and tip.

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

8 SHUTTING DOWN AND CLEANING

	**Do not clean the motor and control unit of the mortar spraying machine moistly. And certainly do not spray down the unit with high-pressure cleaners or high-pressure steam cleaners. Danger of short-circuits caused by water ingressing.**

8.1 CLEANING THE MORTAR HOSE

- Pump until receptacle is empty.

	**Important: Do not let the mortar spraying machine run dry. Switch the device off immediately if no more material comes out of the tip or if the spray line becomes irregular. Possible reasons for the problem and how to correct it can be found in the chapter called „Eliminating faults“.**

- Switch off mortar spraying machine and compressor.
- Close material tap on spray lance.
- Remove the texture tip from the spray lance and clean it.
- Put water in the container and hold the spray lance over an empty bucket.

Important: Do not let the mortar spraying machine run dry. During the cleaning process, ensure that there is always enough water in the container.
- Set delivery volume controller to „5“.
- If using automatic lance, open material tap on spray lance; if using pneumatic lance, set selector switch to “F”.
- Pump material out of hose into container until the material exiting the hose is just a thin liquid.
- If using automatic lance, close material tap on spray lance; if using pneumatic lance, set selector switch to “A”.

	**The mortar hose must be pressureless. If necessary, set the selector switch briefly to “R” (reverse). Watch the manometer –> 0 bar. Wear safety goggles.**

- Decouple mortar hose from pump unit.
- Decouple spray lance from mortar hose.
- Insert cleaning ball into mortar hose and reconnect mortar hose
- Set selector switch to “F”.
- After a few seconds the cleaning ball is emitted from the spray lance.
- Depending on the processed coating material, repeat the cleaning process 3 – 4 times.

	**The mortar hose must be pressureless. If necessary, set the selector switch briefly to “R” (reverse). Watch the manometer –> 0 bar. Wear safety goggles.**

- Set selector switch to “A”.
- Decouple mortar hose from pump unit.

	A further cleaning option is to use the cleaning adapter (accessory). This cleaning adapter can be connected to a water hose or a tap by means of the claw coupling. Insert cleaning ball into the mortar hose. Couple the mortar hose to the cleaning adapter and rinse through with water.

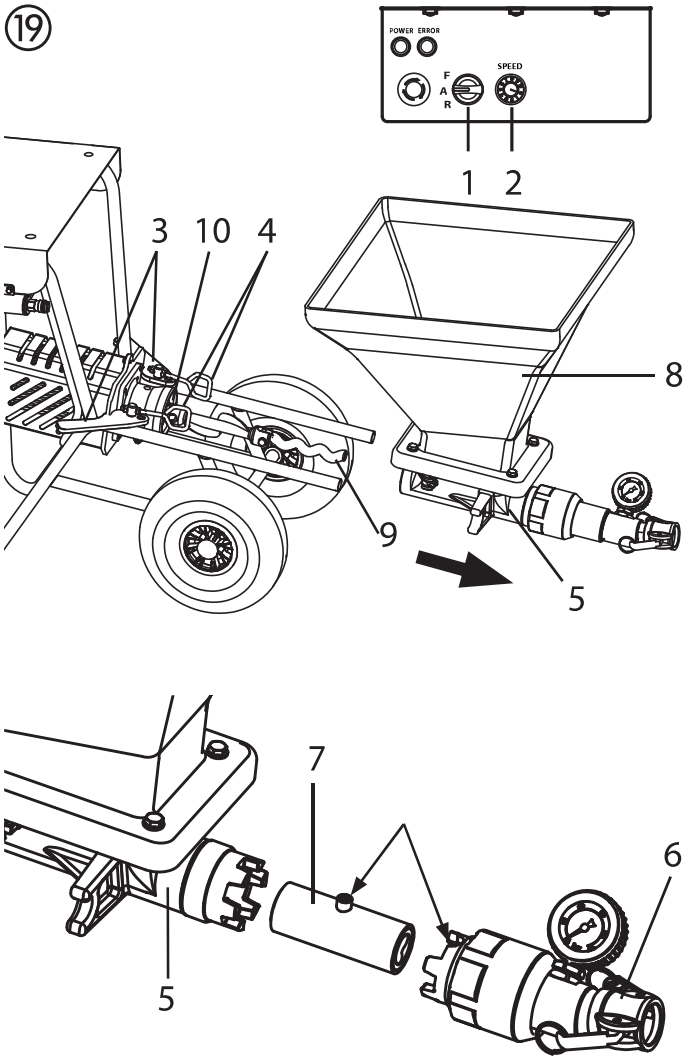
8.2 CLEANING THE DEVICE AND REPLACING THE STATOR

- Clean mortar spraying machine.
  To do so, pump graphite pump sliding means or water mixed with dishwashing liquid through the pump.

Dismantling

⚠	**Mortar spraying machine must be depressurised.** **If necessary, set the selector switch briefly to "R" (reverse).** **Watch the manometer –> 0 bar.** **Wear safety goggles.**
⚠	**Disconnect the remote control and external controls. Only the person operating the machine may remove the pump unit.**

- Move selector switch (1) to "A" and set delivery volume controller (2) to „0".
- Loosen the union nut on the pump tube using the special wrench (approx. a one-quarter turn)
- Push the clamping lever (3) forwards to release the lock.
- Unhook the hooks (4) and fold them away to the side.
- Set delivery volume controller (2) to 1 or 2.
- Hold the container with one hand. Move the selector switch (1) to position "F". As soon as the pump unit (5) has released, move selector switch to "A" and remove pump unit.
- Disconnect mains plug.
- Loosen/unscrew pump pipe (6) from pump unit (5) using the special key provided.
- Remove stator (7) from pump pipe.



Cleaning the pump unit

Clean the pump unit (5) with a jet of water and a suitable bottle brush.
Clean the container (8) with a jet of water and a suitable brush.
Clean the protective grid with a radiator brush.

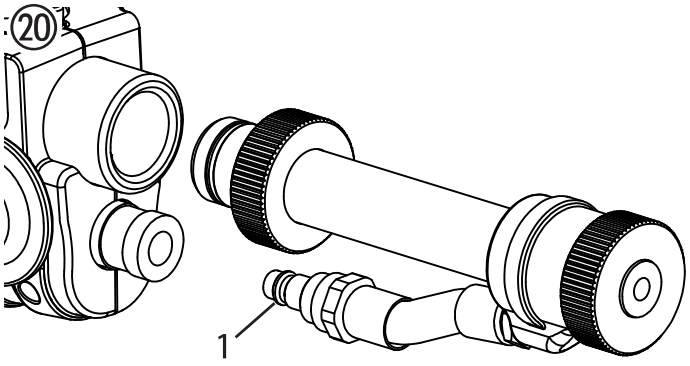
Also clean the rotor (9), stator (7) and pump tube (6) thoroughly with water and, if necessary, using a brush.
Clean the flat gasket (10).

Then spray rotor (9) and stator (7) and with a suitable pump lubricant.
Keep the thread of the pump housing and the pump tube clean so that leaking after the assembly is avoided.

Mounting
Insert stator (7) in pump pipe (6) such that the journal sits in the largest recess.
Use special key to screw pump pipe back onto pump unit (5).

8.3 CLEANING THE SPRAY LANCE

- Clean the texture tip.
- Use cleaning needles to clean the air holes in the texture tip.
- Clean and lubricate the O-ring (fig. 20, 1).
- Clean the spray lance and material tube on the inside using a bottle brush (0342 329).
- Clean all threads thoroughly.
- Rinse the spray lance with clear water. Open and close the material tap three times as you are doing this.



9 MAINTENANCE

⚠	ATTENTION! It is imperative that the machine be deenergized by unplugging the plug before all work and maintenance work. Otherwise there is a danger of short-circuiting! Repairs may only be carried out by qualified personnel who dispose the corresponding training and experience. The device must be tested by a skilled electrician after every repair.

The mortar spraying machine is designed so that a minimum of care and maintenance is required. However, the following work has to be carried out and components checked regularly:

9.1 MECHANICAL MAINTENANCE

- Keep the thread at the pump tube and pump housing clean and, if appropriate, seal.
- Check the seals at all the couplings and connecting pieces for leaks. If appropriate, replace worn seals.
- Check the following for damage before every usage:
  - Mortar hose
  - Power cable
  - Control unit
  - Remote control connection cable (if present)

9.2 ELECTRICAL MAINTENANCE

- The electrical drive and its ventilation slots must always be kept clean and may not be cleaned with water. **Danger of short-circuits.**

9.3 LONG PERIODS OF NON-USAGE

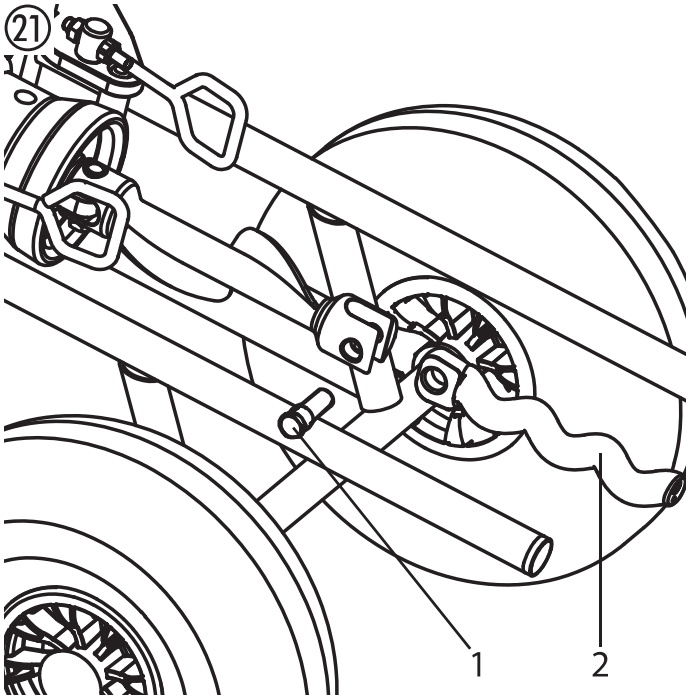
If the mortar spraying machine is not used for a longer period, it has to be cleaned thoroughly and protected against corrosion.

i	Remove the stator from the pump unit ensuring that it cannot become set tat the rotor.

9.4 ROTOR REPLACEMENT (FIG. 21)

- Loosen fixing screw (1) and remove old rotor (2).
- Fit new rotor with new fixing screw.
- Glue fixing screw with Loctite 243.

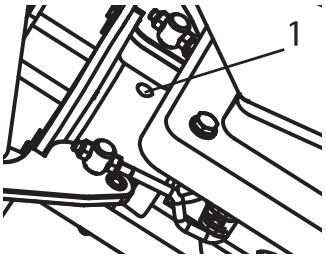
⚠	Note: use Loctite 243 only.



10 ELIMINATING FAULTS

MALFUNCTION	POSSIBLE CAUSE	ELIMINATION
Mortar spraying machine not running. Green operating light lights up	Delivery volume controller is set to „0“ Lance control cable not connected or damaged	Increase delivery volume Check control cable
Mortar spraying machine not running. Green operating light not does not light up	Power supply missing.	- Plug in the power plug. - Check the power cable for damage and replace, if necessary. - Check the power supply.
Mortar spraying machine not running. Red indicator light lights up	Mortar spraying machine was overloaded/overheated.	Close material tap and disconnect mains plug. Switch the mortar spraying machine on again after about 5 minutes.
Mortar spraying machine cannot be switched on/off by means of the remote control.	Remote control line not connected or defect.	Connect remote control, check connections, check remote control line for damage.
Mortar spraying machine cannot rotate the rotor	Rotor stuck in stator. Pump was not lubricated with pump sliding means.	Set the selector switch alternatively briefly to “F” (forwards) – “R” (reverse). Contact Wagner customer service if the problem cannot be resolved.
Mortar spraying machine builds up pressure in the mortar hose. However, coating material does not arrive at the spray lance.	Coating material "plug" in the mortar hose. Mortar hose not prerinsed with cellulose paste.	Depressurize the mortar hose – set the selector switch to “R” (reverse). Pump the coating material back into the container. **The mortar hose must be pressureless.** **Watch the manometer ––> 0 bar.** **Wear safety goggles.** Decouple mortar hose and rinse with water hose. When the plug has been removed, fill cellulose paste in the mortar hose. Couple the mortar hose back on.

MALFUNCTION	POSSIBLE CAUSE	ELIMINATION
Coating material is suddenly not emitted during spraying.	Texture tip is clogged because of impurity in the coating material or because the granular size is too large.	Switch the mortar spraying machine off. Close the material cock at the spray lance. Remove the texture tip and clean it.
	Texture tip too small.	Select a larger texture tip. Rule of thumb: Granular size x 3 –––> Tip size
	Coating material "plug" in the mortar hose. Mortar hose not prerinsed with cellulose paste.	Depressurize the mortar hose – set the selector switch to "R" (reverse). Pump the coating material back into the container.  **The mortar hose must be pressureless.** **Watch the manometer –––> 0 bar.** **Wear safety goggles.** Decouple mortar hose and rinse with water hose. When the plug has been removed, fill cellulose paste in the mortar hose. Couple the mortar hose back on.
	No coating material in the container. Pump has sucked in air.	Refill the container with coating material and pump it around until the coating material emerges without any bubbles. **Attention:** **Always top up with sufficient coating material. Do not let the pump run dry. Pump overheats, resulting in a danger of „plugs".**
Spray pattern is not clean and even.	Air ducts in the texture tip are partially closed with coating material.	Switch the mortar spraying machine off. Close the material tap at the spray lance. Remove the texture tip. Clean the air ducts of the texture tip.
	Air volume incorrectly set.	Change air volume setting.
	Poor mortar spraying machine cleaning	Thoroughly clean mortar spraying machine
	No coating material in the container. Pump has sucked in air.	Refill the container with coating material and pump it around until the coating material emerges without any bubbles. **Attention:** **Always top up with sufficient coating material. Do not let the pump run dry. Pump overheats, resulting in a danger of „plugs".**

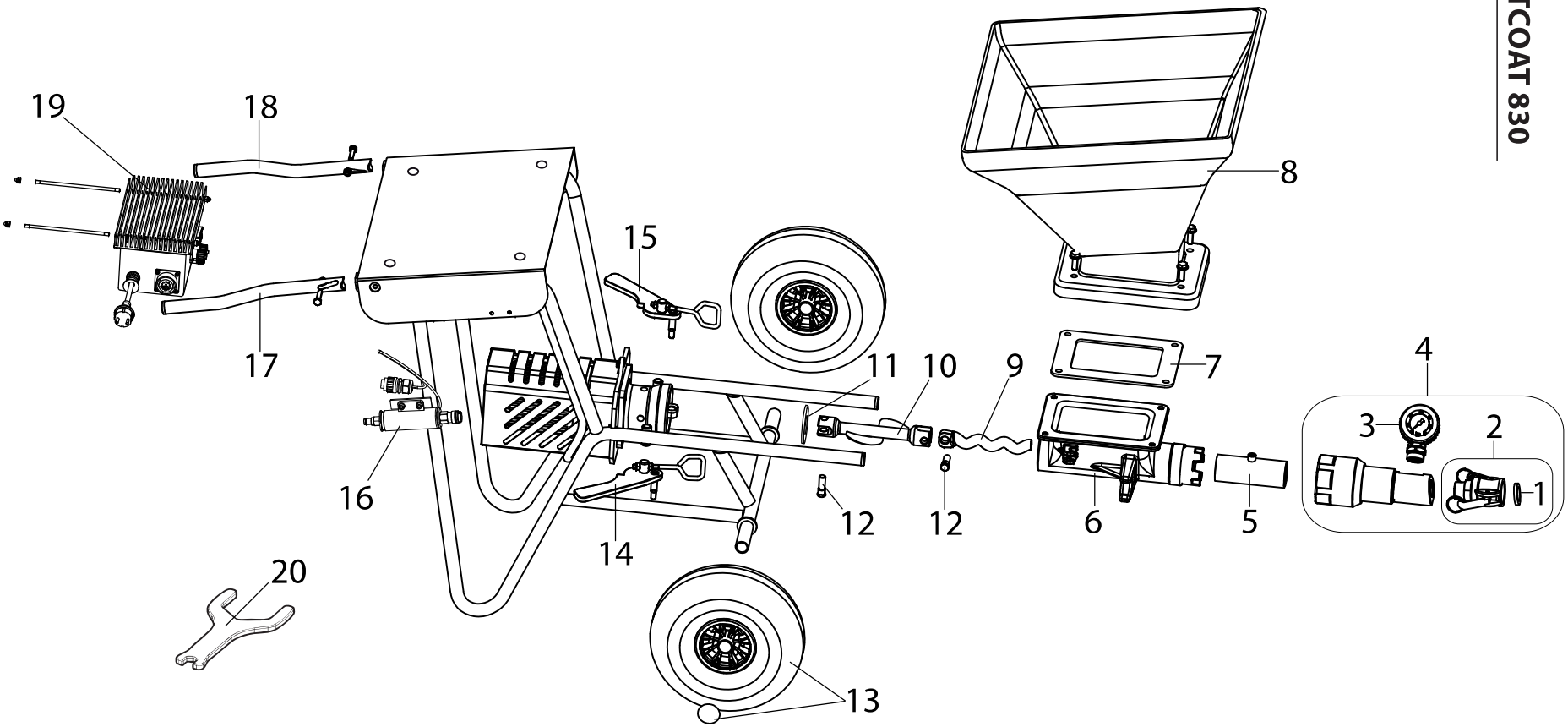
MALFUNCTION	POSSIBLE CAUSE	ELIMINATION
Pressure at the manometer rises to more than 40 bars.	Viscosity of the coating material too high. Mortar hose diameter too small. Mortar hose is too long. Coating material "plug" in the mortar hose. Mortar hose not prerinsed with cellulose paste.	Dilute the coating material. Use a mortar hose with a larger diameter. Use a shorter mortar hose. Depressurize the mortar hose – set the selector switch to "R" (reverse). Pump the coating material back into the container. **The mortar hose must be pressureless.** **Watch the manometer ––> 0 bar.** **Wear safety goggles.** Decouple mortar hose and rinse with water hose. When the plug has been removed, fill cellulose paste in the mortar hose. Couple the mortar hose back on.
Mortar spraying machine does not pump enough coating material.	Convey capacity selected too low. Mortar hose diameter too small. Stator worn. Texture tip too small.	Set the volume regulator higher. Use a mortar hose with a larger diameter. Mount a new stator, if necessary, also a new rotor. **Attention:** Spray on pump sliding means. Select a larger texture tip. Rule of thumb: Granular size x 3 –––> Tip size
Coating material is emitted at the inspection hole (1).  	The shaft seal that seals between the pump unit and the drive unit is worn.	Stop work immediately because otherwise coating material may enter the drive and result in a defect. Clean machine and contact Wagner customer service.

If the defect is not caused by one of the above-mentioned faults, have the defect eliminated by the WAGNER customer service.

11 SPARE PARTS LIST FOR PLASTCOAT 830

ITEM	ORDER NO.	DESIGNATION
1	0342 314	Coupling seal M 27
2	2305 009	Coupling complete
3	2313 540	Pressure gauge complete
4	2316 812	End of pump tube, cpl.
5	2304 954	Stator
6	2312 822	Intermediate pump tube piece, cpl.
7	2315 521	Receptacle seal
8	2315 856	Receptacle
9	2304 986	Rotor
10	2314 480	Feeder shaft
11	2304 989	Seal for feeder shaft

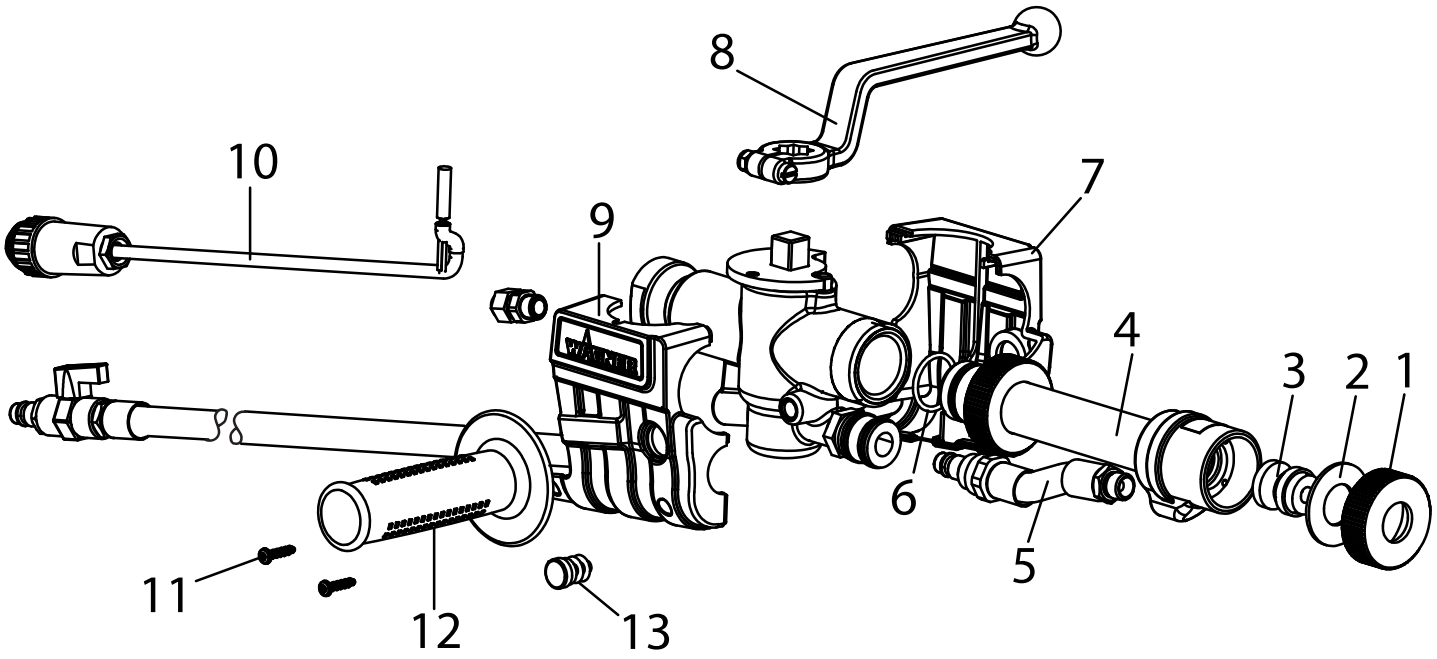
ITEM	ORDER NO.	DESIGNATION
12	2306 946	Fixing screw (1)
13	2316 816	Wheel and wheel cap (1)
14	2309 124	Clamping lever, cpl. (right)
15	2309 115	Clamping lever, cpl. (left)
16	2309 572	Flow switch, complete (pneumatic version only)
17	2316 814	Right handle (including screw and nut)
18	2316 815	Left handle (including screw and nut)
19	2307 792	Controller, cpl.
20	2308 535	Special key



12 SPARE PARTS LIST – SPRAY LANCE

ITEM	PART NO.	DESIGNATION
	2334 115	Automatic spray lance
	2334 116	Pneumatic spray lance
	2322 199	Complete spray head (composed of positions 1-6)
1	2321 045	Union nut
2	0342 350	Sealing washer
3	0268 781	Texture tip 8 (standard)
6	2322 488	O-ring 25 x 2,5

ITEM	PART NO.	DESIGNATION
7	2323 764	Housing component, left
8	2319 220	Lever
9	2323 782	Housing component, right
10	0348 216	Reed sensor, cpl. (Automatic version only)
11	2336 554	Oval-head screw (2)
12	2324 716	Hand-grip
13	2336 221	Stoppers (2)



13 PLASTCOAT 830 ACCESSORIES

ITEM	PART NO.	DESIGNATION
1	2334 115	Automatic spray lance
2	2334 116	Pneumatic spray lance
3	2334 120	Ceiling spray lance (150 cm, automatic version)
4	2334 119	Ceiling spray lance (150 cm, pneumatic Version)
5	2334 121	Rendering lance (automatic version)
6	2334 122	Rendering lance (pneumatic Version)
7	Texture tips for automatic spray lance, pneumatic spray lance and ceiling spray lance:	
	0268 779	Texture tip 4
	0348 915	Texture tip 5
	0268 780	Texture tip 6
	0348 916	Texture tip 7
	0268 781	Texture tip 8 (standard)
	0348 917	Texture tip 9
	0268 782	Texture tip 10
	0342 327	Texture tip 12
	0268 905	Texture tip set 4, 6, 8, 10
8	0268 726	Rendering tip set 14, 16, 18
9	2334 123	80-cm extension
	2334 124	200-cm extension
10	2334 125	Glue attachment
11	2334 126	Fill/dosing attachment
12	Mortar hose (including air hose and control cable) for automatic spray lance (2334115, 2334120, 2334121)	
	2334 131	Mortar hose DN 19 – 2 m, Connection V 27 incl. swivel joint
	0342 706	Mortar hose DN 19 – 10 m, Connection V 27
	0348 930	Mortar hose DN 19 – 20 m, Connection V 27
	0348 912	Mortar hose DN 27 – 10 m, Connection V 27
	0348 946	Mortar hose DN 35 – 13,3 m, Connection V 27
13	0342 314	Fix coupling seal M 27

ITEM	PART NO.	DESIGNATION
14	Mortar hose (including air hose) for pneumatic spray lance (2334116, 2334119, 2334122)	
	0342 736	Mortar hose DN 19 – 10 m, Connection V 27
	0342 737	Mortar hose DN 27– 10 m, Connection V 27
	2324 927	Mortar hose DN 19 – 2 m, Connection V 27 incl. swivel joint
	2311 632	Mortar hose DN 25– 10 m, Connection V 27
15	2337 672	Angled spray head
16	0342 916	Cleaning needle
17	0342 330	Cleaning ball for DN 19 mm
	0342 331	Cleaning ball for DN 25/27 mm
18	0342 329	Bottle brush for cleaning the inside of the outlet unit and spray lance
19	9992 824	Pump sliding means 500 ml
20	0342 215	Hose holder
21	0342 241	Cleaning adapter M 27 – GK
	0348 948	Cleaning adapter M 35 – GK
22	2311 921	Compressor VKM 592, 230 V~, 50 Hz, suction volume 590 l/min
23	2318 389	Bag support with pressing roller
24	2308 417	Remote control
25	2309 961	Remote control extension cable 15m (no picture)
26	2311 692	Control cable for automatic spray lance 14 m (no picture)
27	2312 136	Lubricant for mortar hose (Metylan wallpaper paste) 125g (no picture)

PlastCoat 830 Accessories illustration