Translation of the original operating instructions

Warning!

Attention: Danger of injury by injection!
Airless units develop extremely high spraying pressures.

Danger

1

Never put your fingers, hands or any other parts of the body into the spray jet!
Never point the spray gun at yourself, other persons or animals.
Never use the spray gun without safety guard.

Do not treat a spraying injury as a harmless cut. In case of injury to the skin through coating materials or solvents, consult a doctor immediately for quick and expert treatment. Inform the doctor about the coating material or solvent used.

2

The operating instructions state that the following points must always be observed before starting up:

1. **Faulty units must not be used.**
2. **Secure spray gun using the safety catch on the trigger.**
3. **When processing materials containing solvents, the appliance must be earthed.**
4. **Check allowable operating pressure of high-pressure hose and spray gun.**
5. **Check all connections for leaks.**

3

The instructions regarding regular cleaning and maintenance of the unit must be strictly observed.

Before any work is done on the unit or for every break in work the following rules must be observed:

1. **Release the pressure from spray gun and hose.**
2. **Secure the spray gun using the safety catch on the trigger.**
3. **Switch off unit.**

Be safety-conscious !

Congratulations for the purchase of your WAGNER Airless high pressure spray gun.

Read this manual carefully before the initial use of this equipment and observe the safety instructions. Keep manual and safety instructions carefully stored.
You have purchased a quality product which requires careful maintenance and care in order to function perfectly.

Important! After each use, the equipment should be cleaned.

Not cleaning the equipment leads to malfunctioning! For faults caused by crud, no guarantee claim will be granted. In case of malfunctioning, check the cleaned equipment once again prior to sending it in to the service department.

Explanation of symbols used

Danger	**Indicates an immediate danger. Unless avoided, death or serious injuries will result.**
	Indicates tips for use and other particularly useful information.
	Wear suitable ear protection when working.
	Wear suitable respiratory equipment when working.
	Wear suitable safety gloves when working.

General Safety Instructions

Warning!

Danger

Read all safety notifications and instructions. Failure to comply with the safety notifications and instructions provided may result in electric shock, fire and/or serious injury. The term "power tool" used below covers both mains-operated power tools (with mains lead) and accumulator-operated power tools (without mains lead).

1. Work area safety

a) Keep work area clean and well lit. *Cluttered or dark areas invite accidents.*

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Power tools create sparks which may ignite the dust or fumes.*

c) Keep children and bystanders away while operating a power tool. *Distractions can cause you to lose control.*

2. Electrical Safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. *Unmodified plugs and matching outlets will reduce risk of electric shock.*

b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. *There is an increased risk of electric shock if your body is earthed or grounded.*

c) Do not expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. *Damaged or entangled cords increase the risk of electric shock.*

e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. *Use of an RCD reduces the risk of electric shock.*

3. Personal safety

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating power tools may result in serious personal injury.*

b) Use personal protective equipment. Always wear eye protection. *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

d) Remove any adjusting key or wrench before turning the power tool on. *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) Do not overreach. Keep proper footing and balance at all times. *This enables better control of the power tool in unexpected situations.*

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. *Loose clothes, jewellery or long hair can be caught in moving parts.*

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of dust collection can reduce dust-related hazards.*

h) Do not lull yourself into a false sense of security and do not think yourself above the safety rules for electric tools, even if you are familiar with the electric tool following extensive practical experience. *Careless use can lead to serious injuries in fractions of a second.*

4. Power tool use and care

a) Do not force the power tool. Use correct power tool for your application. *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) Do not use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

c) Disconnect the plug from the power source and/ or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) Store idle power tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.*

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. *Many accidents are caused by poorly maintained power tools.*

f) Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from those intended could result in a hazardous situation.*

h) Keep the handles and grip surfaces dry, clean and free of oil and grease. Slippery handles and grip surfaces hamper safe operation and control of the electric tool in unforeseen situations.

5. Battery tool use and care

a) Recharge only with the charger specified by the manufacturer. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

b) Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.*

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. *Shorting the battery terminals together may cause burns or a fire.*

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.*

e) Do not use a battery pack or tool that is damaged or modified. *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*

f) Do not expose a battery pack or tool to fire or excessive temperature. *Exposure to fire or temperature above 130 °C may cause explosion.*

g) Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

6. Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*

a) Never service damaged battery packs. *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Safety instructions for the charger and battery

Only use the tool with BOSCH AMPShare compatible ProCore 18V batteries with at least 2.0 Ah and suitable chargers. The battery voltage must match the battery charging voltage of the charger. Do not charge non-rechargeable batteries. Otherwise there is a risk of fire and explosion.

- **Only use the charger indoors and keep it away from moisture.** Water penetrating into a power tool increases the risk of an electric shock.
- **Keep the charger clean.** There is a risk of electric shock due to contamination.
- **Before every use, check the charger, cable and plug. Do not use the charger if it is damaged. Do not open the charger yourself and only have it repaired by qualified specialist personnel using original spare parts.** Damaged chargers, cables and plugs increase the risk of electric shock.

- **Do not operate the charger on easily combustible surfaces (e.g. paper, textiles, etc.) or in combustible environments.** There is a risk of fire due to the heating of the charger during charging.
- **The battery is delivered partially charged.** To ensure full battery performance, fully charge the battery in the charger before first use.
- **Only use the battery in the manufacturer's products.** This is the only way to protect the battery from dangerous overloading.
- **Keep batteries out of the reach of children.**
- **Do not open the battery. There is a risk of a short circuit.**
- **Vapours may also escape if the battery is damaged or used improperly.** Take in fresh air and consult a doctor if you have any symptoms. The vapours may irritate the respiratory tract.
- **If the battery is defective, liquid may leak out and wet adjacent objects.** Check affected parts. Clean them or replace them if necessary.
- **The battery can be damaged by sharp objects such as nails or screwdrivers or by external force.** An internal short circuit may occur and the battery may burn, smoke, explode or overheat.
- **Never service damaged batteries.** All maintenance of batteries should only be carried out by the manufacturer or authorised service centres.
- **Protect the battery from heat, e.g. also from permanent sunlight, fire, dirt, water and moisture.** There is a risk of explosion and short circuit.
- **Operate and store the battery only at an ambient temperature between -20°C and +50°C.** Do not leave the battery in the car in summer, for example. At temperatures < 0°C, performance may be restricted depending on the unit.
- **Charge the battery only at ambient temperatures between 0°C and +35°C.** Charging outside the temperature range can damage the battery or increase the risk of fire.
- **Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.** The batteries are suitable for road-transport by the user without further restrictions. When shipping by third parties (e.g.: by air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required. Dispatch battery packs only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe the possibility of more detailed national regulations.

Health protection

Caution! Wear breathing equipment: Paint mist and solvent vapors are damaging to health. Always wear breathing equipment and only work in well ventilated rooms or using supplementary ventilating equipment. It is advisable to wear working clothing, safety glasses, ear protection and gloves

Flammable materials

Do not use the spray guns to spray flammable substances.

Explosion protection

Do not use the unit in work places which are covered to the explosion protection regulations.

Danger of explosion and fire through sources of flame during spraying work

There may be no sources of flame such as, for example, open fires, smoking of cigarettes, cigars or tobacco pipes, sparks, glowing wires, hot surfaces, etc. in the vicinity.

Earthing the device

Earth the device with the enclosed earth cable if you are working with materials containing solvents.

Ventilation

Good natural or artificial ventilation must be ensured in order to avoid the risk of explosion or fire and damage to health during spray work.

Secure device and spray gun

All hoses, fittings, and filter parts must be secured before operating spray pump. Unsecured parts can eject at great force or leak a high pressure fluid stream causing severe injury.

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

Recoil of spray gun

In case of high operating pressure, pulling the trigger can effect a recoil force of 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. Continuous stress from this recoil can cause permanent damage to health.

Max. operating pressure

Max. permissible operating pressure for spray gun, spray gun accessories and high-pressure hose may not fall short of the maximum operating pressure of 110 bar (11 MPa) stated on the unit.

Coating substance

Caution against dangers that can arise from the sprayed substance and observe the text and information on the containers or the specifications given by the substance manufacturer.
Do not spray any liquid of unknown hazard potential.

Do not use paints or solvents that contain halogenated hydrocarbons, such as chlorine, bleach, methylene chloride chloride and trichloroethane. They are not compatible with aluminium. Ask the supplier of the coating about the compatibility of the material with aluminium.

High-pressure hose (safety note)

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.

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.

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 or lower than 197 kΩ/m (60 kΩ/ft.).

For reasons of function, safety and durability, only use genuine WAGNER high-pressure hoses and spray nozzles. For overview see „Spare parts lists".

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

Positioning device

When working indoors:
Vapors containing solvents may not be allowed to build up in the area of the device. Ensure good ventilation.
When working outdoors:
Vapors containing solvents may not be allowed to blow toward the unit.
Note the direction of the wind.

Maintenance and repairs

Depressurise the device and remove the battery before carrying out any work on the device.

Cleaning the unit

Danger of short circuit through penetrating water!
Never spray down the unit with high-pressure or high-pressure steam cleaners.

Cleaning units with solvents

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 be produced. The container must be earthed.
Do not use flammable materials for cleaning purposes.

Earthing of the object

The object to be coated must be earthed.

If liquids collect in the area underneath the outlet valve, this could be due to a leak in the set of pistons. If operations continue, the liquid can leak and dirt might get under the device.

Usabel materials*

- Interior wall paint (dispersions and latex paint)
- Water- and solvent-based paints, finishes, primers, stains, staining sealers wood sealer-preservatives and oils.

*** Observe the instructions of the paint manufacturer.**

Unsuitable materials

- Materials that contain highly abrasive components, silicate paint, facade paint, caustic solutions and acidic coating substances.
- Flammable materials, materials containing acetone or cellulose thinner

Field of application

Coating of interior walls, doors, radiators, etc. as well as small and medium-sized objects outdoors (e.g. garden fences, garage doors, etc.).

Technical data*	
Rechargeable battery (ProCore 18 V, 4.0 Ah):	Li-Ion, 18 V ⎓, 4.0 Ah
Charger (AL 1810 CV): Input voltage Output voltage Charging current	 220-240 V~, 50-60 Hz; 10.8-18 V 4000 mA
Charging time (rechargeable battery 18 V, 4.0 Ah):	approx. 48 min (80%), 65 min (100%)
Protection Class (charger):	⧈ / II
Maximum pressure	11 MPa (110 bar)
Max. delivery rate	0.9 l/min
Maximum temperature of coating material	43°C
Sound power level** Uncertainty	75 dBA K= 4 db
Sound pressure output** Uncertainty	88 dBA K= 4 db
Vibration*** Uncertainty	3.8 m/s^2 K = 1.5 m/s^2
Maximum ambient temperature	40°C
Pump system	piston pump
volume upper container, max.	4.7 l
Max. nozzle size	0.017 (inch)
Max. hose length	15 m
Empty weight (pump, hose, gun)	4.2 kg

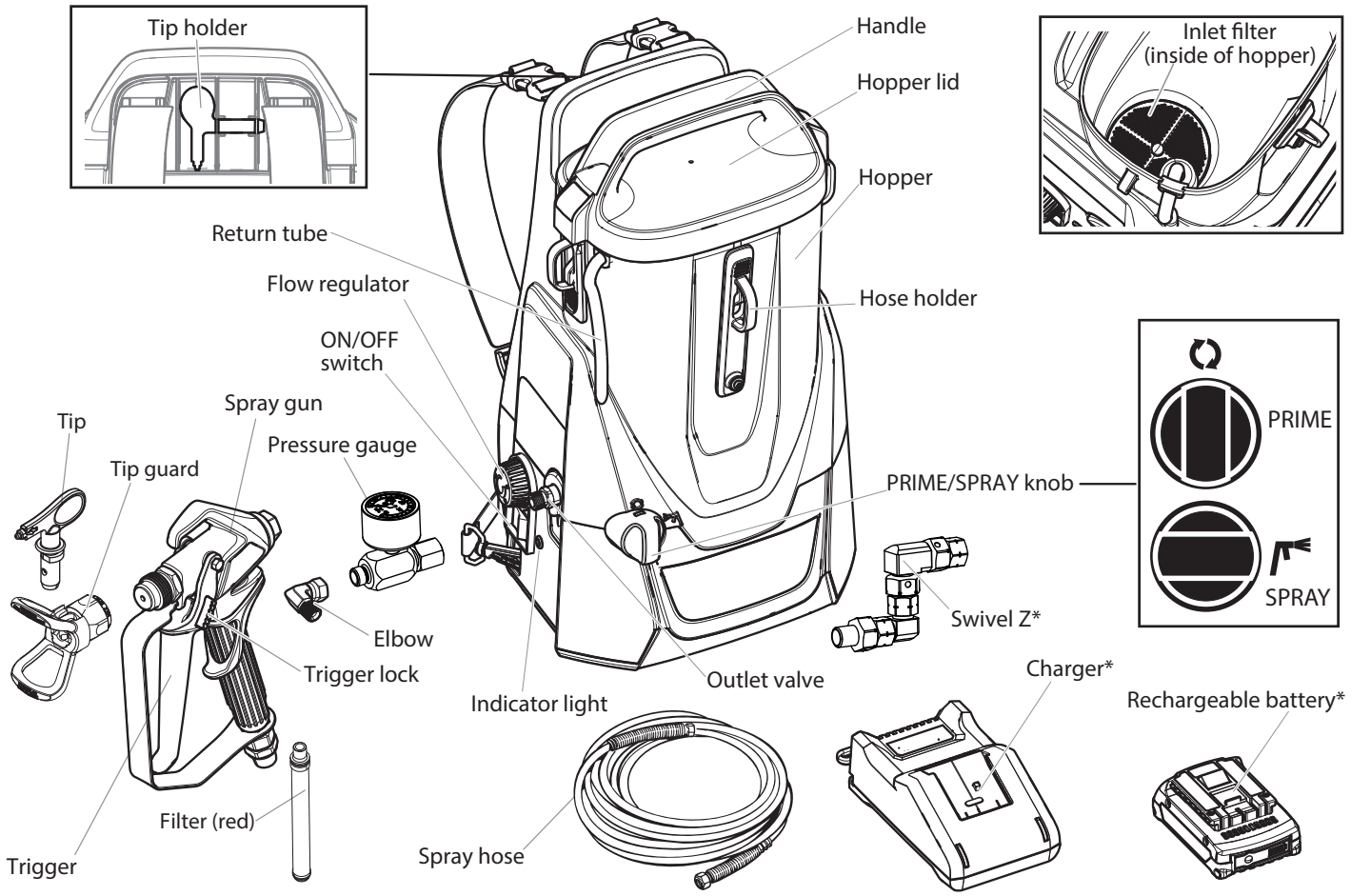
* When using a ProCore 18 V, 4.0 Ah battery and a charger GAL 18V-40
** Measured in accordance with EN 50580
*** Measured in accordance with EN 62841-1

Information about the vibration level

The specified vibration level has been measured according to a standard test procedure and can be used to compare against electric tools.
The vibration level is also for determining an initial assessment of the vibrational strain.

Attention! The vibration emission value can differ from the specified value when the electric tool is actually in use, depending on how the electric tool is being used. It is necessary to specify safety measures to protect the operating personnel. These measures are based on an estimated shutdown during the actual conditions of use (all parts of the operating cycle are taken into consideration here, for example periods when the electric tool is switched off, and, when it is switched on but running without any load).

COMPONENTS / DESCRIPTION



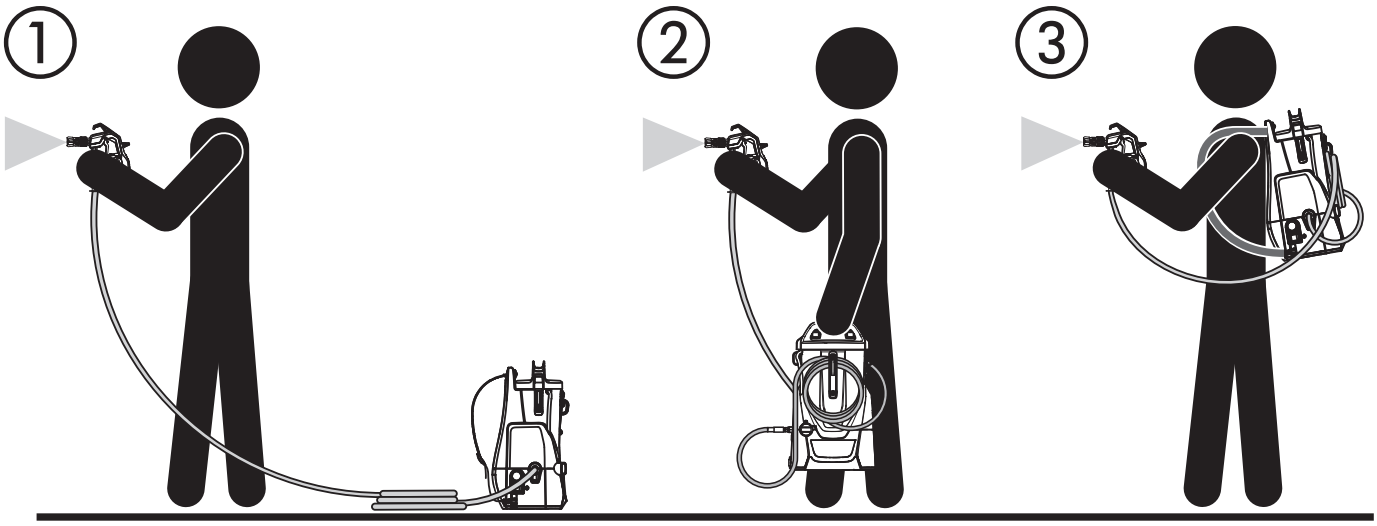
* Not included with all models.

Controls and functions

ON/OFF switch	The ON/OFF switch turns the unit on and off (O = OFF, I = ON)
PRIME/SPRAY knob	The PRIME/SPRAY knob directs fluid to the spray hose when set to SPRAY, or the return tube when set to PRIME.
Flow regulator	The flow regulator can be used to adjust the pump's operating speed to suit the material being processed and achieve the desired spray pattern.
Indicator light	Displays the battery charge status and error messages

Operating modes

The spray system can be used in three different ways:



Tools needed for assembly

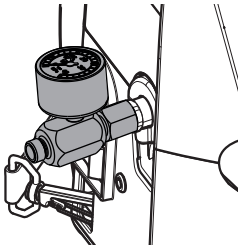
- Two adjustable wrenches.

⚠WARNING

Only insert the battery when the device is fully assembled.

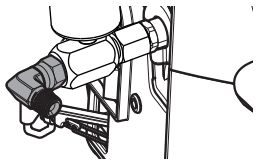
Pressure gauge

Screw the pressure gauge to the hose connection.

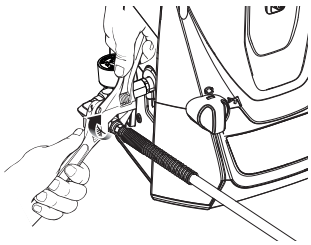


Hose

Screw the elbow onto the pressure gauge.



Screw the high-pressure hose onto the elbow.
Keep hold of the connection using an adjustable spanner and tighten the hose connection with another spanner.

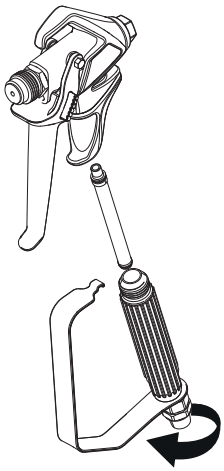


Spray Gun

Release the guard from the head of the gun and unscrew the handle grip from the head of the gun.

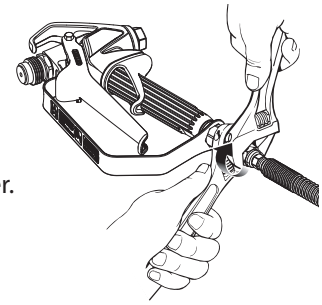
Insert the red gun filter with the conical side upwards.

Reattach the handle grip and engage the guard on the head of the gun.

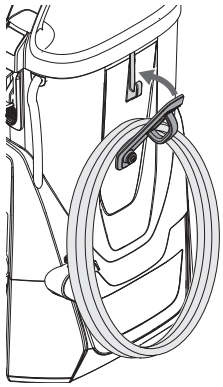


If available, install swivel Z between gun and hose.

Screw the thread at the other end of the hose to the spray gun connection. Keep hold of the spray gun by applying an adjustable spanner to the handle and tighten the hose nut using another spanner.

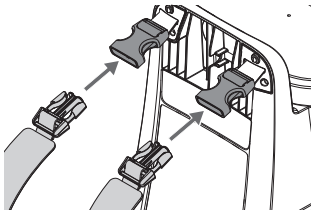


If the appliance will be carried like a rucksack, open the hose holder and hook in the rolled-up hose.



Carrying strap

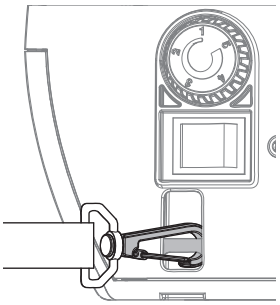
Attach the carrying straps to the quick-release fasteners at the top of the device.



Hook the carrying straps onto the bottom of the device.

Hang the device over your shoulders and adjust the straps to suit you.

If the device is tilted too much (e.g. when bending forwards), an acoustic signal sounds.



Preparing the paint

To avoid rapid blockage of the nozzle and filter, we recommend stirring and sieving the paint well before spraying. Follow the material manufacturer's instructions.

Select tip and gun filter

The first digit of the tip number specifies the spraying angle: e.g. 4xx = 40°
The second and third digits specify the tip size: e.g. x10 = 0.010 inches
The appropriate gun filter must be selected depending on the **tip size**:

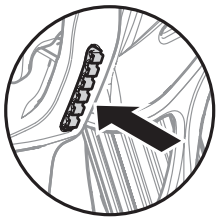
Tip Size	Filter
x08, x10, x11, x12, x13, x14	red
x15	yellow
x17	white

Locking and unlocking the gun

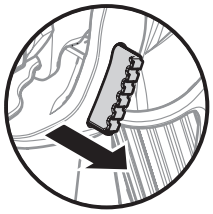
⚠WARNING

Always lock the trigger off when attaching the spray tip or when the spray gun is not in use.

Locking the gun
Push in the trigger lock from left to right, when looking at the rear of the gun.



Unlocking the gun
Push the trigger lock from right to left, when looking at the rear of the gun.

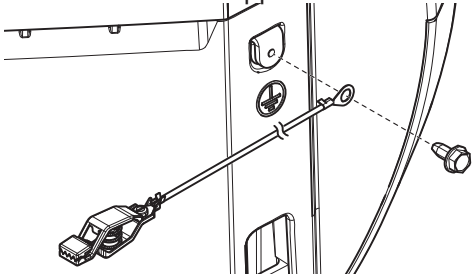


Earthing

⚠WARNING

When processing materials containing solvents, the appliance must be earthed.

1) Remove the earth screw and screw the enclosed earth cable to the side of the appliance.



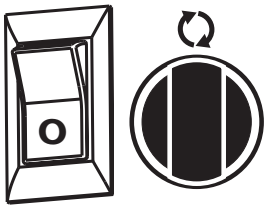
2) Attach the earth clamp to a suitable metal installation (e.g. water pipe, radiator, garden fence).

Pressure relief procedure

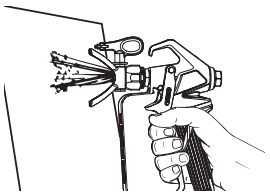
⚠WARNING

Be sure to follow the pressure relief procedure when shutting the unit off FOR ANY PURPOSE. This procedure is used to relieve pressure from the spray hose.

1) Lock the spray gun off and flip the ON/OFF switch to the OFF position.
2) Turn the PRIME/SPRAY knob to PRIME.



3) Unlock the spray gun and then trigger it onto a scrap piece of wood or cardboard.
4) Lock the spray gun.



Dry running

⚠CAUTION

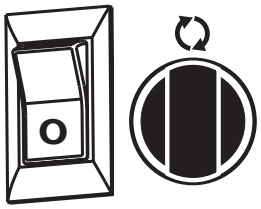
Operation without liquid leads to increased wear and damages the pump.
Never allow the device to run dry for more than 30 seconds.
One cause of blockages can be a clogged gun or inlet filter/suction filter. Therefore, check and clean the filters regularly.

Refilling the container / bleeding the pump

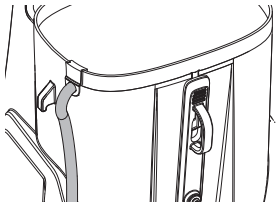
⚠CAUTION

If the paint in the container runs out, it may be that air is being aspirated into the system. When refilling, the pump must be bled as described below in order to avoid dry running.

1) Switch the pump off immediately.
2) Refill the container.
3) Turn the PRIME/SPRAY knob to PRIME.



4) Switch the pump back on and wait until the paint is flowing out of the return hose.
5) Turn the PRIME/SPRAY switch to the SPRAY position and carry on working.



Charging

Before connecting to the mains, make sure that the mains voltage corresponds to the specification on the charger's rating plate.

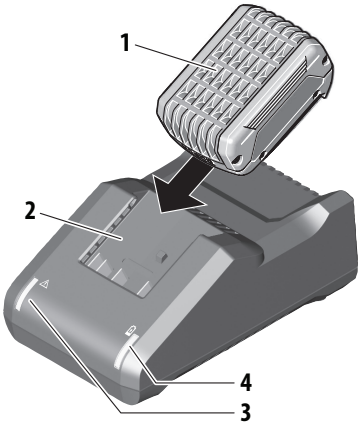
Explanation of the indicator lights

When you insert the battery (1) into the charger (2) the green indicator light (4) will begin to "BLINK". This indicates that the battery is charging.

A continuous green indicator light (4) indicates that the battery is fully charged.

A steady red indicator light (3) means that the battery is outside the proper temperature ranges (between 0°C and 35°C). As soon as it falls within the correct temperature range, the charging process will automatically begin.

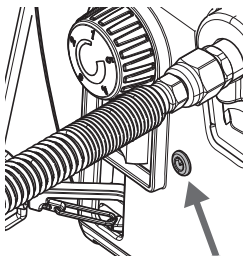
If the red indicator light (3) is "BLINKING", the contacts on the charger or battery are contaminated, the battery is defective, or the battery is not compatible with the charger. Clean the contacts or replace the battery.



Plug charger cord into a standard power outlet (the charger's green indicator light (4) will switch ON).

1. Once the battery is fully charged, remove the battery from the charger.
2. Unplug the mains plug of the charger from the socket.

Indicator light



Constantly lit = Sufficient battery charge

Flashing (additional warning tone) = Battery must be charged

Preparation of the Coating Material

Using SprayPack 18V interior wall paints, varnishes and glazes can be applied by spraying without diluting them, or by diluting them slightly. Detailed information is available in the technical data sheet of the manufacturer (→ Internet download).

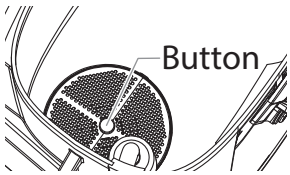
1. Stir the material thoroughly and dilute it in the container as per the recommended dilution (an agitator is recommended for stirring).

Thinning recommendation	
Glazes, wood preservatives containing solvents or based on water, mordants, oils, disinfection agents, plantprotective agents	undiluted*
Paints containing solvents and watersoluble paints, primers	dilute by 5 - 10 %*
Interior wall paint (dispersions and latex paint)	dilute by 0-10 %*

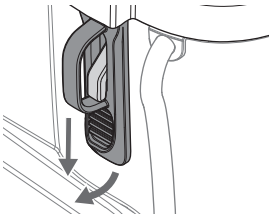
*** Observe the instructions of the paint manufacturer.**

The values in the table are reference values. Find out how much the paint needs to be thinned by testing it.

Make pump ready for operation

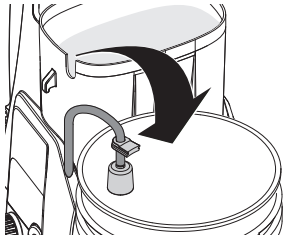


1) Make sure the inlet filter is in place inside the hopper. If it is not, snap in place as shown.
2) Press down the button on the filter once. This will ensure proper operation of the inlet valve.

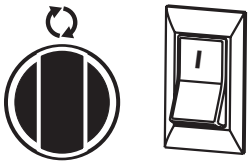


We recommend performing the following steps with water first of all, in order to check that the system and all connections are watertight.

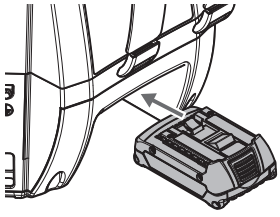
3) Pull the latches down and unhook them to remove the lid.
4) Fill your hopper with the material you plan to spray. Do not exceed the fill line as shown. Pull the return hose out of the container and hold it over an empty container.



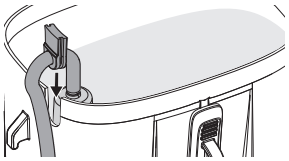
5) Turn the PRIME/SPRAY knob to PRIME.
6) Insert the battery and set the ON/OFF switch to the ON position.



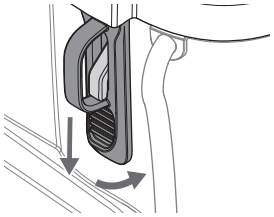
7) Slowly turn the speed control clockwise to 2.
8) Check that the material is flowing through the return tube.
9) Switch the pump to OFF.



10) Reinsert the return hose into the container. **The sealing grommet must be seated correctly in the slot.**



11) Hook in the two latches and replace the lid on the container.



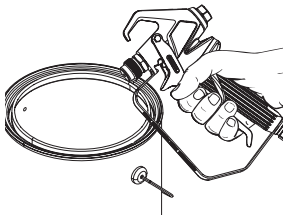
The cover does not close airtight. Therefore, do not tilt the device when filled.

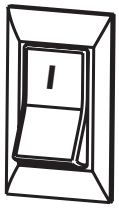
Suck in material

Perform the following steps, without the spray tip mounted to the gun.

1) Unlock the spray gun and turn the PRIME/SPRAY knob to PRIME.

2) Touch the edge of a metal container with the gun to earth the gun.
3) Actuate the trigger and **KEEP IT PRESSED**.
4) Switch the pump on. Slowly turn the speed control clockwise to 2.



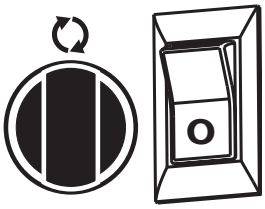


⚠WARNING

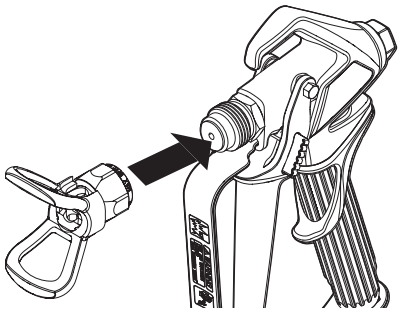
Keep hands clear from fluid stream.

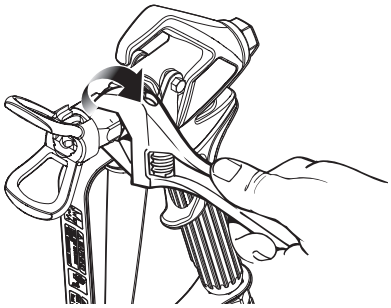
5) While holding the trigger, turn the PRIME/SPRAY knob to SPRAY. Hold the trigger until all air, water, or solvent is purged from the spray hose and paint is flowing freely.

6) Release trigger, turn the PRIME/SPRAY knob to PRIME and turn pump OFF .

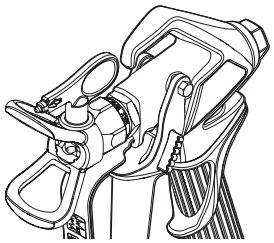


7) Trigger the gun into the waste container once more to be sure that no pressure is left in the hose.
8) Lock the spray gun off.
9) Thread the spray tip assembly onto the gun. Tighten by hand and then tighten with a wrench.





10) Insert spray tip (tip pointing in the spray direction).



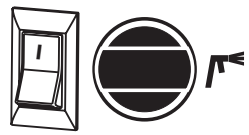
Your device is now ready for operation.

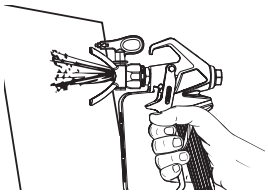
Practice

⚠ CAUTION

Be sure that the paint hose is free of kinks and clear of objects with sharp cutting edges.

1) Switch the pump ON and turn the PRIME/SPRAY knob to SPRAY.
2) When the motor shuts off, unlock the spray gun and spray a test area to check the spray pattern.





When enough pressure has built up in the hose, the motor will shut off automatically. The motor will cycle on and off automatically as it needs pressure.

Good spray pattern

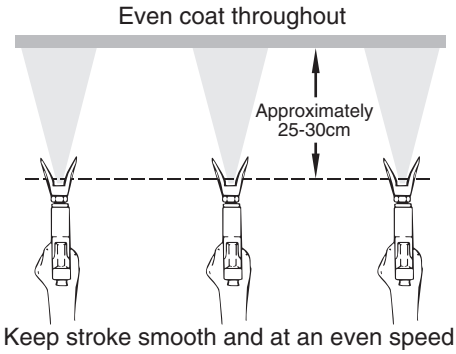
Bad spray pattern (tailing)

If your pattern is tailing, your spray tip might have an obstruction, your spray gun filter might be clogged or your spray tip might be worn or color is diluted too few. Refer to Spraying Troubleshooting on the next page.

Spraying technique

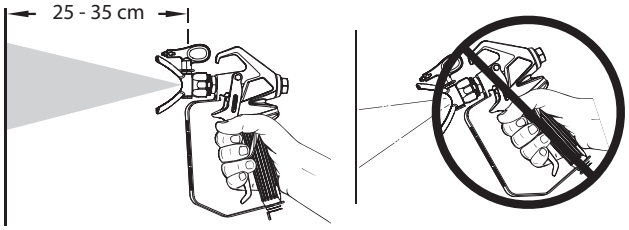
The key to a good paint job is an even coating over the entire surface. This is done by using even strokes. Follow the **TIPS**, below.

TIP: Keep your arm moving at a constant speed and keep the spray gun at a constant distance from the surface. The best spraying distance is 25 to 30 cm between the spray tip and the surface.

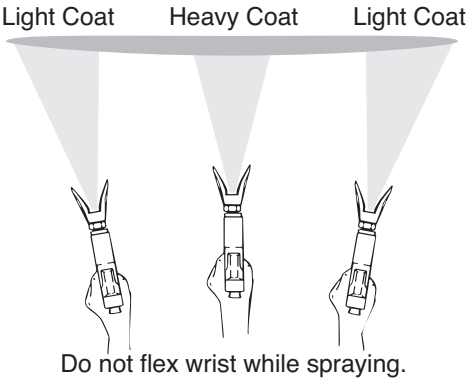


Keep stroke smooth and at an even speed.

TIP: Keep the spray gun perpendicular to the surface, otherwise one end of the pattern will be thicker than the other.



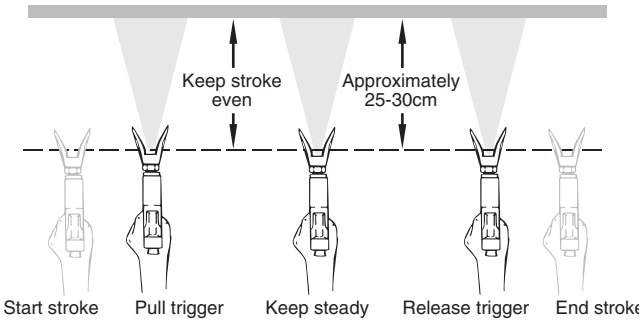
TIP: Keep the spray gun at right angles to the surface. This means moving your entire arm back and forth rather than just flexing your wrist.



Do not flex wrist while spraying.

TIP: The spray gun should be triggered by turning it on and off with each stroke. Do not trigger the gun during the middle of a stroke. This will result in an uneven spray and splotchy coverage.

Proper way to trigger the spray gun



ADDITIONAL TIPS

Overlap each stroke by about 30%. This will ensure an even coating.
When you stop painting, follow PRESSURE RELIEF PROCEDURE and unplug electrical cord.
Keep the hopper lid placed on the hopper during spraying.
This will prevent debris from falling into your spray material.
IF YOU EXPECT TO BE AWAY FROM YOUR SPRAYER FOR MORE THAN ONE HOUR, FOLLOW THE SHORT-TERM STORAGE PROCEDURE DESCRIBED IN THE STORAGE SECTION OF THIS MANUAL (page 38).

The following is a short list of minor difficulties you might encounter while spraying. If any of these occur, it will reduce the flow of material, making your spray pattern poor, or material will fail to spray from the gun.
Follow the guidelines on this page to correct any one of these problems.

Unclogging the spray tip

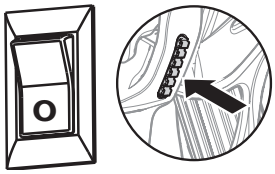
⚠WARNING

Do not attempt to unclog or clean the tip with your finger.

⚠ CAUTION

Do not use a needle or other sharp pointed instrument to clean the tip. The hard tungsten carbide can chip.
If the spray pattern becomes distorted or stops completely while the gun is triggered, follow these steps:

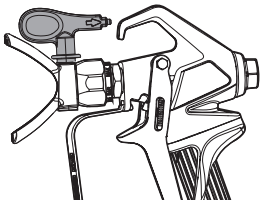
1) Turn the pump off, and release the trigger and lock the gun off.

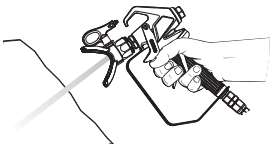


2) Rotate the reversible tip arrow 180° so that the point of the arrow is toward the rear of the gun.

Under pressure, the spray tip may be very difficult to turn. Turn the PRIME/SPRAY knob to PRIME and trigger the gun. This will relieve pressure and the tip will turn more easily.

3) Turn the PRIME/SPRAY knob to SPRAY.

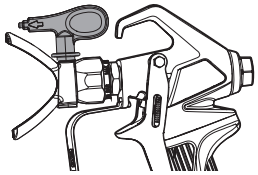




4) Unlock the gun and squeeze the trigger, pointing the gun at a scrap piece of wood or cardboard. This allows pressure in the spray hose to blow out the obstruction. When the nozzle is clean, paint will come out in a high pressure stream.

If paint still will not spray from the spray tip, follow the steps on the next column.

5) Release the trigger and lock the gun off.
6) Reverse the tip so the arrow points foward again (SPRAY position).



7) Unlock the gun and resume spraying.

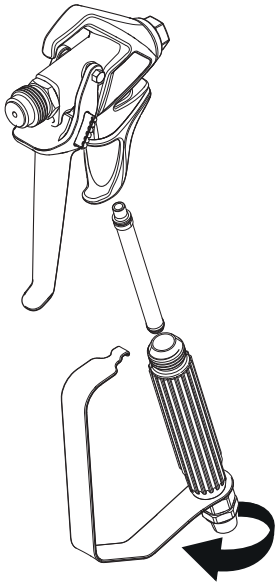
Unclogging the spray gun filter

This filter must be cleaned every time you use your sprayer. When using thicker paints, the filter might need to be cleaned more often.

1) Perform **Pressure Relief Procedure** (page 31).
2) Release the guard from the head of the gun and unscrew the handle grip from the head of the gun.
3) Remove the gun filter

When cleaning filter, look for sediments in the spraying material you are using. Refer to Paint Straining, (page 31).

4) Inspect the filter for holes. Replace if holes are found.



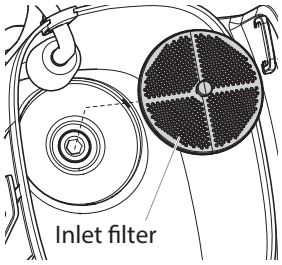
⚠ CAUTION

NEVER POKE THE FILTER WITH A SHARP INSTRUMENT!

5) Reinsert the gun filter with the conical side upwards.
6) Reattach the handle grip and engage the guard on the head of the gun.

Unclogging the inlet filter

1) Perform **Pressure Relief Procedure**, (page 31).
2) Empty the hopper of all spraying material (see **Emptying the Hopper**, page 36).
3) Remove the inlet filter from the hopper. A pair of pliers may be needed to loosen the filter.
4) Clean the inlet filter using the appropriate cleaning solution (warm, soapy water).
5) Replace filter.



If after having completed all of the steps on this page you are still experiencing problems spraying, refer to the TROUBLESHOOTING page (page 40)

Important cleaning notes

READ THESE NOTES AND WARNINGS BEFORE YOU START TO CLEAN YOUR SPRAYER!

- **Thorough cleaning and lubrication of the sprayer is the most important step you can take to ensure proper operation after storage.**
- **Clean the spray device and components with a suitable cleaning agent (e.g. warm soapy water for water-soluble spray materials).**

For thorough cleaning, we recommend EasyClean cleaning product (order No. 2412656).

- **Make sure to dispose cleaning solution properly when finished cleaning your sprayer.**
- **Remove the carrying straps for easier cleaning.**

Emptying the hopper

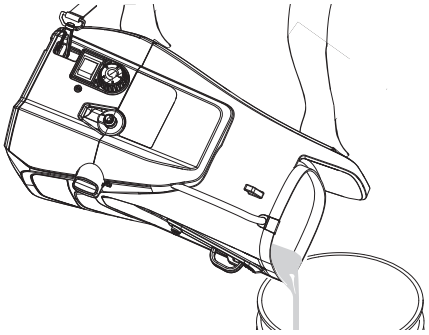
⚠WARNING

The unit, when filled with spraying material, can be heavy. Make sure to lift with your legs and not your back in order to reduce the risk of injury.

⚠CAUTION

Make sure your floors and furnishings are protected with drop cloths to avoid property damage.

1) Perform all the steps of the Pressure Relief Procedure (page 31).
2) Remove the lid from the hopper.
3) Hold the device by the two handles on the left and right.
4) Hold the appliance by the two handles and pour the contents of the container into the original container.



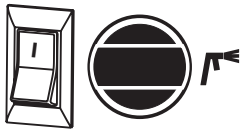
Purging the paint hose

These steps will allow you to recover excess paint left over in the paint hose.

1) Lock the gun, remove spray tip assembly, and turn the PRIME/SPRAY knob to PRIME.

2) Fill the hopper with the appropriate cleaning solution.
3) Touch the edge of a metal container with the gun to earth the gun.
4) Unlock the gun, actuate the trigger and hold it down.

5) While holding the trigger, turn the pump ON, and turn the PRIME/ SPRAY knob to SPRAY.



Let the pump run until all paint is purged from the hose and cleaning solution is coming out of the gun.

6) Release the trigger and turn the PRIME/SPRAY knob to PRIME.
7) Hold the spray gun on the edge of **another metal container** and press and hold the trigger.

8) Turn the PRIME/SPRAY knob to SPRAY and trigger the gun until the fluid coming out of the gun is clear.

You might need to add more cleaning solution to the hopper.

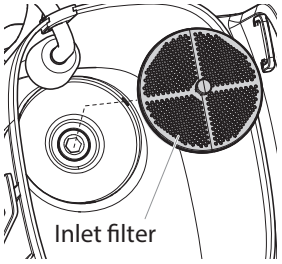
9) Turn the PRIME/SPRAY knob to PRIME and trigger gun once more to relieve pressure.

Rinsing the hopper

1) Thoroughly rinse out the hopper using the appropriate cleaning solution.

Make sure you do not drip any cleaning solution into the motor housing.

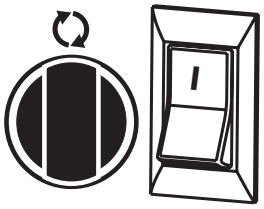
2) Remove the inlet filter from the bottom of the hopper and clean. You may need to use a screwdriver to pry the filter loose.



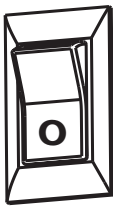
3) Replace the filter and properly dispose of the cleaning solution.

Flushing the sprayer

1) Fill the hopper with **NEW** cleaning solution.
2) Turn the PRIME/SPRAY knob to PRIME, turn the pump to ON .



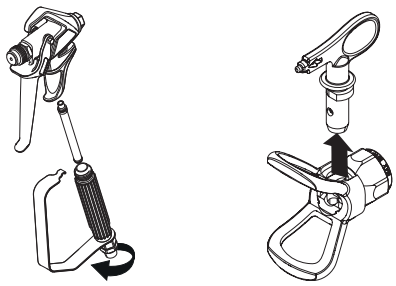
3) Let the pump circulate the cleaning solution out the return tube for 2-3 minutes.
4) Turn the pump OFF .



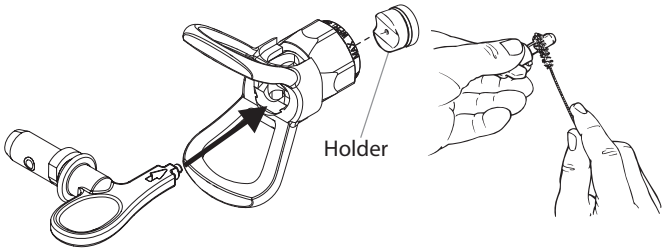
5) Properly dispose of cleaning solution and move on to **Cleaning the Spray Gun Components**, next page.

Cleaning the spray gun components

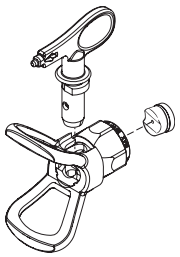
1) Perform **Pressure Relief Procedure**, page 31.
2) Remove filter from spray gun (refer to **Unclogging the Spray Gun Filter**, page 35).
3) Remove spray tip from spray guard assembly.



4) Clean spray tip and filter with a soft-bristled brush and the appropriate cleaning solution. Take care to remove the holder in the rear section of the spray nozzle set and clean it.



5) Reassemble spray gun:
- Insert the gun filter and tighten it with a slotted screwdriver.
- Install the spray nozzle and holder. Place the nozzle holder on the gun and tighten it.



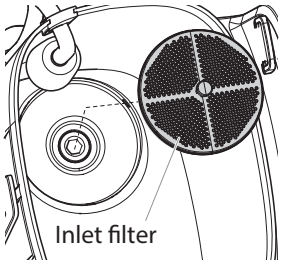
IMPORTANT!

If you cleaned your pump, it is recommended that you flush the pump again using warm, soapy water to prepare it for storage. Repeat Flushing the Pump instructions.

Cleaning the inlet valve

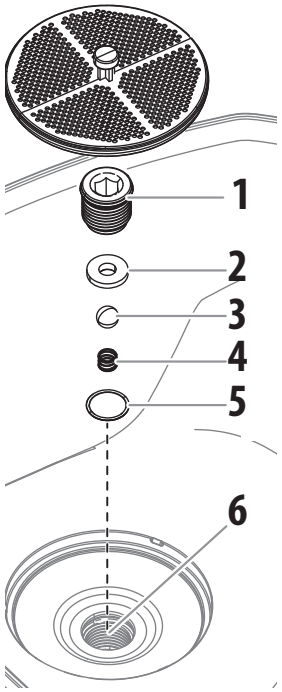
Cleaning or servicing the inlet valve may be required if the unit has priming problems. This may be caused by improper cleaning and/or storage.

1) Remove the inlet filter from the bottom of the hopper.

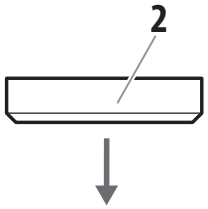


2) Loosen and remove the inlet valve housing (1) with an Allen key (8 mm).
3) Remove the valve seat (2), ball (3), spring (4) and O-ring seal (5) with a suitable tool (e.g. needle-nose pliers, tweezers).

Tip: alternatively, turn the device upside down with the cover on and release the parts by tapping on the underside of the device.



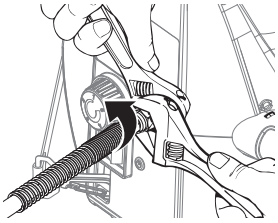
4) Check all parts and the valve area (6) in the container and clean thoroughly. Replace damaged parts.
5) Ensure the O-ring seal on the inlet valve housing (1) is well lubricated.
6) Replace all parts as shown in the illustration. **The conical side of the inlet valve seat (2) must point downwards.**
7) Securely re-tighten the inlet valve housing (1) with an Allen key (8 mm, 6,5 Nm).



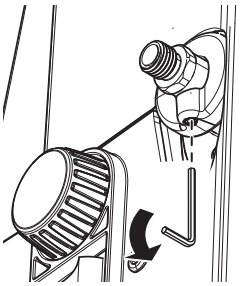
Replacing the outlet valve

Replacement of the outlet valve may be necessary if your spray performance remains poor after having performed all the steps contained in the Spraying Troubleshooting section of this manual.

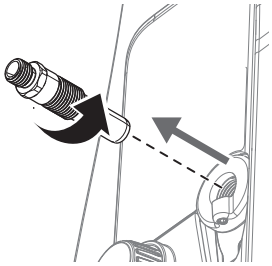
1) Remove the high-pressure hose from the outlet valve using two spanners.



2) Loosen the screw (2.5 mm Allen key) on the bottom of the outlet valve, **but do not remove it.**



3) Remove the outlet valve from the base unit using a spanner.
4) Check the outlet valve and clean thoroughly (especially the ball seat on the back). Replace if necessary.
5) Inspect the inside of the outlet valve housing. Remove any accumulated paint.
6) Reinsert the new or cleaned outlet valve (tighten into outlet valve housing with an adjustable wrench (13 Nm)).
7) Re-tighten the screw (2,6 Nm).

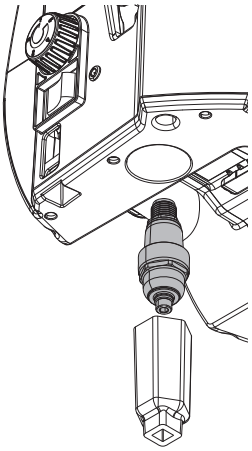


⚠WARNING

Securely tighten the screw to ensure grounding of the hose and gun.

Replacing the pulsation damper

If the spray jet begins to pulsate after some time, the pulsation damper needs to be replaced (service set 2465928).

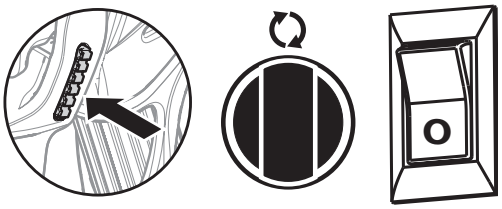


1) Unscrew the pulsation damper from the hole in the underside of the device using the tool included in the set.
2) Insert the new pulsation damper and screw it tight.

SHORT-TERM STORAGE

Shutdown

1) Perform all the steps of the **PRESSURE RELIEF PROCEDURE** (page 31).

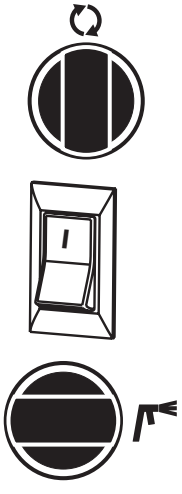


2) Pour 1/2 cup water slowly on top of the paint to prevent it from drying. Replace the hopper lid.
3) Wrap the spray gun assembly in a damp cloth and place it in a plastic bag. Seal the bag shut.

4) Unplug the sprayer.
5) Place the sprayer in a safe place out of the sun for shortterm storage.

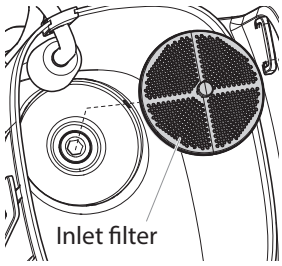
Startup

1) Remove the gun from the plastic bag and stir the water into the paint.
2) Check to be sure the PRIME/ SPRAY knob is set to PRIME.
3) Plug sprayer in and turn the switch to ON.
4) Turn the PRIME/SPRAY knob to SPRAY.
5) Test the sprayer on a practice piece and begin spraying.

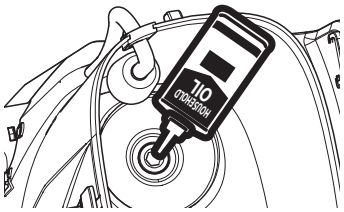


Preparing the sprayer for longterm storage

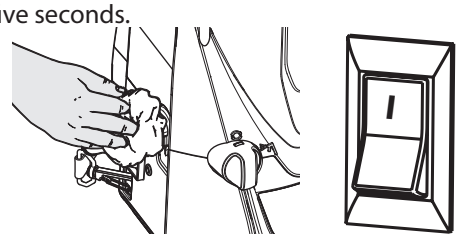
1) Make sure you have already completed the **Cleanup** steps on pages 36-37.
2) Remove the inlet filter. You may need to use a screwdriver to pry it loose.



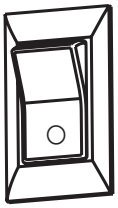
3) Pour approximately 10 ml of light household oil into the inlet valve.



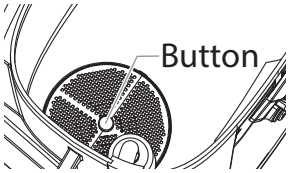
4) Remove hose from outlet valve, place a rag over the outlet valve, and turn the switch ON. Let the unit run for five seconds.



5) Switch the pump OFF.



6) Reinstall the inlet filter and press the button on the filter.



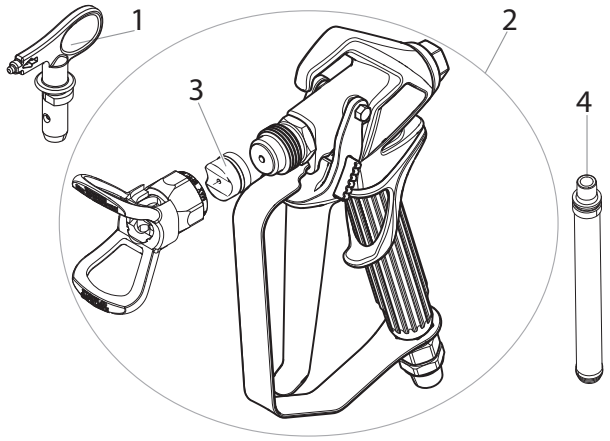
7) Wipe the entire unit, hose and gun with a damp cloth to remove accumulated paint.

⚠WARNING Before servicing, always release system pressure by following PRESSURE RELIEF PROCEDURE (page 31).

PROBLEM	CAUSE	SOLUTION
A. The sprayer does not start.	1) Battery flat, faulty or incompatible	1) Charge or replace
	2) The ON/OFF switch is set to OFF.	2) Turn the ON/OFF switch to ON.
	3) The sprayer shuts off while still under pressure.	3) Motor will cycle ON and OFF while spraying as it needs pressure. This is normal. Resume painting.
	4) There is a problem with the motor.	4) Take sprayer to Wagner Authorized Service Center.
B. The sprayer starts but does not draw in paint.	1) The unit is not primed.	1) Set the device to PRIME and switch it on until paint flows out of the return pipe hose.
	2) The hopper is empty.	2) Refill the hopper. Set the device to PRIME and switch it on until paint flows out of the return pipe hose.
	3) The inlet filter is clogged.	3) Clean the inlet filter.
	4) The inlet or outlet valve is stuck.	4) Clean the inlet and outlet valves and replace any worn parts. Inlet may be stuck from old paint. Push inlet filter tab to release.
	5) The inlet valve is worn or damaged.	5) Replace the inlet valve.
	6) The PRIME/SPRAY valve is plugged.	6) Take sprayer to Wagner Authorized Service Center.
C. The sprayer draws up paint but the pressure drops when the gun is triggered.	1) The spray tip is worn.	1) Replace the spray tip with a new tip.
	2) The inlet filter is clogged.	2) Clean the inlet filter.
	3) The gun or spray tip filter is plugged.	3) Clean or replace the proper filter. Always keep extra filters on hand.
	4) The paint is too heavy or coarse.	4) Thin or strain the paint.
	5) The outlet valve assembly is dirty or worn.	5) Clean or replace the outlet valve assembly.
	6) The inlet valve assembly is damaged or worn.	6) Replace the inlet valve.
D The sprayer has switched off during operation (indicator light flashes)	1) Device overloaded / motor overheated	1) Switch off the appliance, depressurise and allow to cool down. If the problem persists, contact Wagner Service.
E. The PRIME/SPRAY valve is on SPRAY and there is flow through the return tube.	1) The PRIME/SPRAY valve is dirty or worn.	1) Take sprayer to Wagner Authorized Service Center.
F. The spray gun leaks.	1) Internal parts of the gun are worn or dirty.	1) Clean or repair the spray gun in accordance with the instructions in the gun's operating manual.
G. The tip assembly leaks.	1) The tip was assembled incorrectly.	1) Check the tip assembly and assemble properly.
	2) A seal is worn.	2) Replace the seal.
H. The spray gun will not spray.	1) The spray tip or the gun filter is plugged.	1) Clean the spray tip or gun filter. Review **Unclogging the Spray Tip**.
	2) The spray tip is in the CLEAN position.	2) Put the tip in the SPRAY position.
	3) PRIME/SPRAY knob not set on SPRAY.	3) Turn the PRIME/SPRAY knob to SPRAY.
I. The paint pattern is tailing.	1) The gun, the tip, or the inlet filter is plugged.	1) Clean the filters and strain the paint.
	2) The tip is worn.	2) Replace the spray tip.
	3) The paint is too thick.	3) Thin the paint.
	4) Pressure loss.	4) Refer to Causes and Solutions for problem C.
J. Spray jet is uneven/ pulsating	1) Pulsation damper faulty	1) Replace pulsation damper (see Maintenance chapter)

Spare Parts List / Accessories

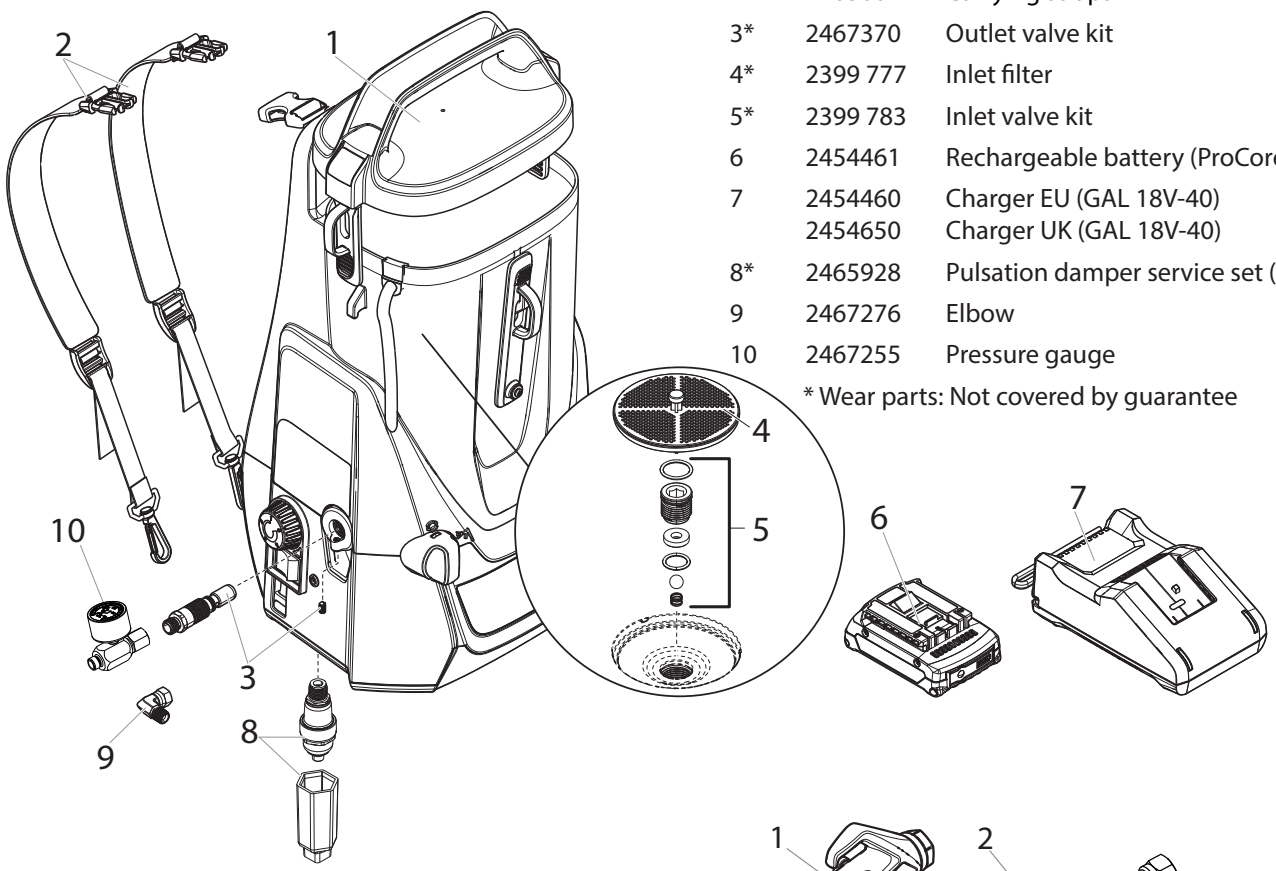
SPRAY GUN



Item	Part #	Description
1*	0554410	Tip FineFinish 410
	0554408	Tip FineFinish 408
2*	0538040	Spray gun Vector Pro assy. (4 fingers)
3*	2468382	Nozzle seal (5 pack)
4*	0097022	Filter red (10 pack)

* Wear parts: Not covered by guarantee

SPRAYER

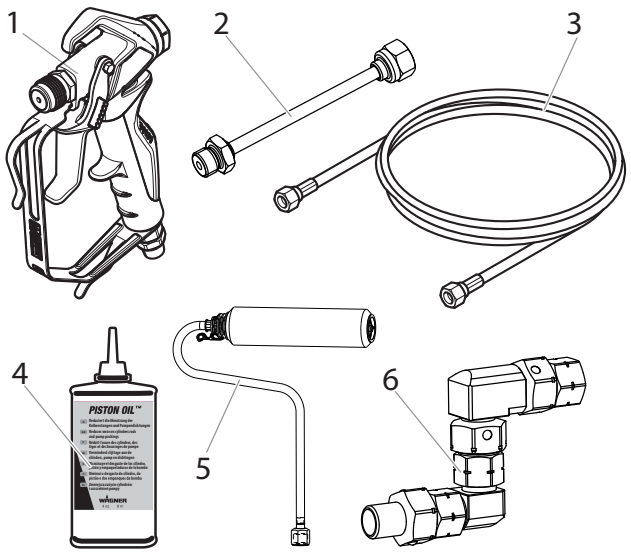


Item	Part #	Description
1	2463792	Hopper lid
2	2463604	Carrying straps
3*	2467370	Outlet valve kit
4*	2399 777	Inlet filter
5*	2399 783	Inlet valve kit
6	2454461	Rechargeable battery (ProCore 18 V, 4.0 Ah)
7	2454460	Charger EU (GAL 18V-40)
	2454650	Charger UK (GAL 18V-40)
8*	2465928	Pulsation damper service set (incl. tools)
9	2467276	Elbow
10	2467255	Pressure gauge

* Wear parts: Not covered by guarantee

Accessories (not included in the delivery)

Item	Part #	Description
1	0538043	Spray gun Vector Grip (2/4 fingers)
2	2418853	Gun extension (12.5 cm)
3	9984573	7.5 m spray hose
4	0508619	Easy Glide (118 ml)
5	2418370	Inner-Feed Roller
6	2454974	Swivel Z
7	2412656	EasyClean (1 l)



FINEFINISH TIPS

Top-quality painting nozzles with optimised properties for particularly high-quality surfaces even in low-pressure areas.

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 and solvent-based varnishes, lacquer paints, oils, separating agents	208 308 408	20° 30° 40°	0.008 / 0.20 0.008 / 0.20 0.008 / 0.20	120 150 190	red red red	0554208 0554308 0554408
Synthetic resin-based paints, PVC paints, 2-K lacquers	210 310 410 510	20° 30° 40° 50°	0.010 / 0.25 0.010 / 0.25 0.010 / 0.25 0.010 / 0.25	120 150 190 225	red red red red	0554210 0554310 0554410 0554510
Primers, fillers	212 312 412 512	20° 30° 40° 50°	0.012 / 0.30 0.012 / 0.30 0.012 / 0.30 0.012 / 0.30	120 150 190 225	red red red red	0554212 0554312 0554412 0554512
Fireproofing paints, corrosion protection paints	214 314 414 514	20° 30° 40° 50°	0.014 / 0.36 0.014 / 0.36 0.014 / 0.36 0.014 / 0.36	120 150 190 225	red red red red	0554214 0554314 0554414 0554514

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.

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	211 311 411	20° 30° 40°	0.011 / 0.28 0.011 / 0.28 0.011 / 0.28	120 150 190	red red red	0554211 0554311 0554411
Paints, primers Fillers	213 313 413	20° 30° 40°	0.013 / 0.33 0.013 / 0.33 0.013 / 0.33	120 150 190	red red red	0554213 0554313 0554413
Fillers Rust protection paints	415 515 615	40° 50° 60°	0.015 / 0.38 0.015 / 0.38 0.015 / 0.38	190 225 270	yellow yellow yellow	0554415 0554515 0554615

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

3 + 2 year guarantee on this WAGNER craftsman product

WAGNER exclusively provides the commercial buyer who has purchased the product from an authorised specialist dealer (hereinafter referred to as the „Customer“) with a warranty for the products listed on the Internet at https://go.wagner-group.com/3plus2-info in addition to the statutory warranty regulations, unless there is a warranty exclusion. The warranty period for WAGNER products (devices) in the craftsmen‘s sector is 36 months and begins with the date of purchase of the initial purchase. This warranty period is extended by a further 24 months if the product is registered within 28 days of purchase on the Internet at https://go.wagner-group.com/3plus2. In cases of commercial rental, industrial use (e.g. use in shift operation) or equivalent use, the warranty period is 12 months due to the significantly higher load. We reserve the right to carry out a check in individual cases and refuse the warranty where necessary. If any material, machining or performance defects are identified in the device within the warranty period, then the warranty claims must be made immediately and within a period of no more than 2 weeks following discovery of the defect. The detailed guarantee conditions can be obtained on request from our authorised WAGNER partners (see website or operating instructions) or in text form on our website:

https://go.wagner-group.com/pf-warranty-conditions

- Modifications reserved -

Environmental protection

At the end of its service life, the appliance, including accessories and packaging, must be recycled in an environmentally friendly manner. Separate packaging materials by type and put them in the recyclables collection. Old appliances and rechargeable batteries/batteries must not be disposed of with household waste. Help protect the environment by taking the appliance and the battery to a local disposal point, contact our customer service team or make enquiries at a specialist shop.

Important Note regarding 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.

EU Declaration of conformity

We declare under sole responsibility that this product conforms to the following relevant stipulations:
2006/42/EC, 2014/30/EU, 2014/35/EU, 2011/65/EU, 2012/19/EU
Applied harmonised norms:
EN 62841-1, EN 50580, EN 60335-1, EN 60335-2-29, EN 62133-2, EN IEC 55014-1, EN IEC 55014-2, EN 62233, EN IEC 61000-3-2, EN 61000-3-3

The EU declaration of conformity is enclosed with the product.
If required, it can be re-ordered using order number **2467859**.

UKCA Declaration of conformity

We declare under sole responsibility that this product conforms to the following relevant regulations:

Supply of Machinery (Safety) Regulations 2018
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
The Waste Electrical and Electronic Equipment Regulations 2013

Applied harmonised standards
BS EN 62841-1, BS EN 50580, BS EN 62133-2, BS EN 60335-1, BS EN IEC 60335-2-29, BS EN IEC 55014-1, BS EN IEC 55014-2, BS EN IEC 61000-3-2, BS EN 61000-3-3