

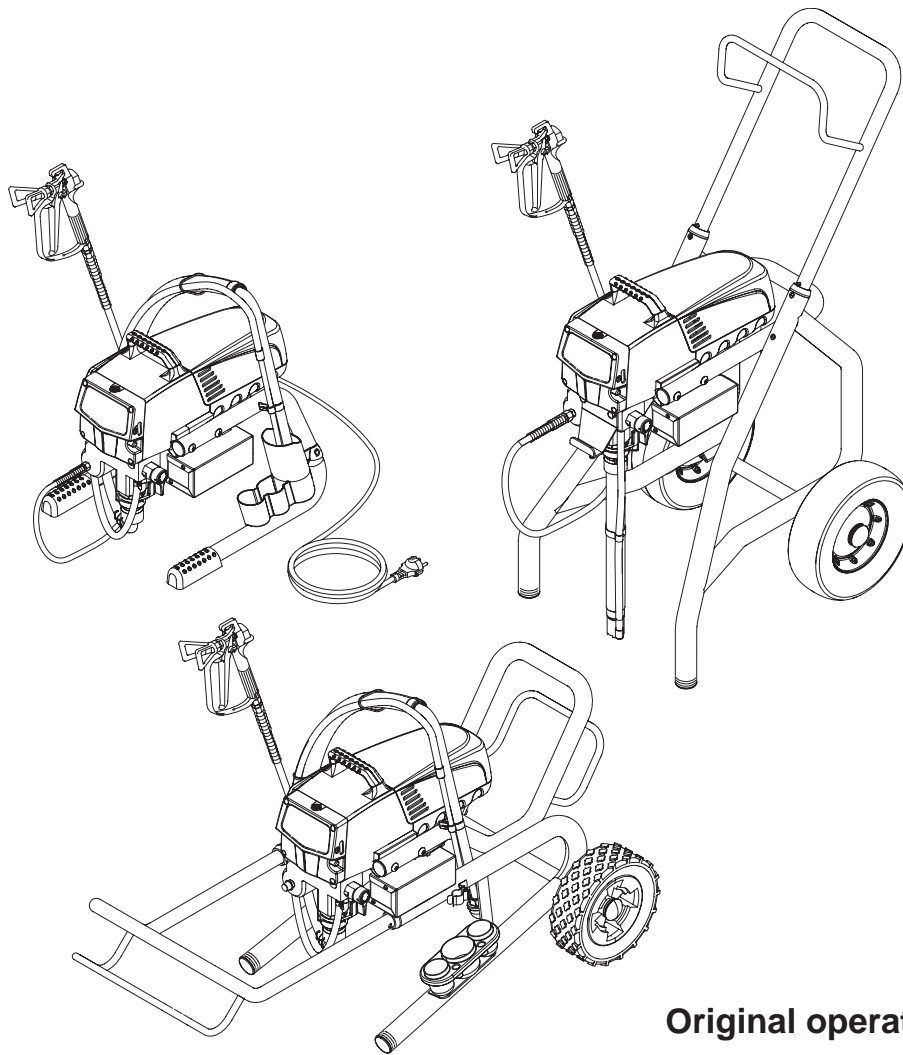
GB

**WAGNER®**

Operating manual

# ProSpray 3.25

Airless high-pressure spraying unit



**Models:**  
0558011  
0558012  
0558013  
0558028  
0558096  
0558097  
0558098

Original operating manual

## ProSpray 3.25

# Warning!

**Attention: Danger of injury by injection!**

**Airless units develop extremely high spraying pressures.**

**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 Titan spray gun using the safety catch on the trigger.
3. Ensure that the unit is properly earthed. The connection must take place through a correctly earthed two-pole and earth socket outlet.
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 Titan spray gun using the safety catch on the trigger
3. Switch off unit.



# Be safety-conscious!

**Contents**

|   | Page |   | Page |
|---|------|---|------|
| <b>1. Safety regulations for Airless spraying</b> ..... | 4    | <b>9. Remedy in case of faults</b> .....                    | 14   |
| 1.1 Earthing instructions.....                          | 5    | <b>10. Servicing</b> .....                                  | 16   |
| <b>2. General view of application</b> .....             | 6    | 10.1 General servicing .....                                | 16   |
| 2.1 Application.....                                    | 6    | 10.2 High-pressure hose.....                                | 16   |
| 2.2 Coating materials .....                             | 6    | <b>11. Repairs at the unit</b> .....                        | 16   |
| <b>3. Description of unit</b> .....                     | 6    | 11.1 Relief valve.....                                      | 16   |
| 3.1 Airless process.....                                | 6    | 11.2 Inlet and outlet valve .....                           | 16   |
| 3.2 Functioning of the unit.....                        | 6    | 11.3 Packings.....  | 17   |
| 3.3 Legend for explanatory diagram                      |      | 11.4 ProSpray 3.25 connection diagram.....                  | 18   |
| ProSpray 3.25 .....                                     | 7    | <b>12. Appendix</b> .....                                   | 19   |
| 3.4 Explanatory diagram ProSpray 3.25 .....             | 7    | 12.1 Selection of tip.....                                  | 19   |
| 3.5 Technical data.....                                 | 8    | 12.2 Servicing and cleaning of Airless                      |      |
| 3.6 Transportation.....                                 | 8    | hard-metal tips .....                                       | 19   |
| 3.7 Transportation in vehicle .....                     | 8    | 12.3 Spray gun accessories.....                             | 19   |
| <b>4. Starting operation</b> .....                      | 8    | 12.4 Airless tip table.....                                 | 20   |
| 4.1 High-pressure hose, spray gun and                   |      | 12.5 TempSpray.....   | 21   |
| separating oil.....                                     | 8    | 12.6 Pump-Runner.....                                       | 22   |
| 4.2 Control panel indicators .....                      | 9    | <b>Sales and service companies</b> .....                    | 23   |
| 4.3 Pressure control knob settings.....                 | 9    | <b>Accessories for ProSpray 3.25</b> .....                  | 24   |
| 4.4 Connection to the mains network.....                | 9    | <b>Spare parts list for main assembly</b> .....             | 26   |
| 4.5 Cleaning preserving agent when                      |      | <b>Spare parts list for fluid section</b> .....             | 28   |
| starting-up of operation initially .....                | 10   | <b>Spare parts list for drive assembly</b> .....            | 30   |
| 4.6 Taking the unit into operation                      |      | <b>Spare parts list of frame</b> .....                      | 31   |
| with coating material .....                             | 10   | <b>Spare parts list for suction system of stand</b>         |      |
| 4.7 Digital Electronic Spray Control (DESC) .....       | 10   | and low boy cart .....                                      | 32   |
| <b>5. Spraying technique</b> .....                      | 12   | <b>Spare parts list for upright cart</b> .....              | 33   |
| <b>6. Handling the high-pressure hose</b> .....         | 12   | <b>Spare parts list for low boy cart</b> .....              | 34   |
| 6.1 High-pressure hose.....                             | 12   | <b>Important notes on product liability</b> .....           | 35   |
| <b>7. Interruption of work</b> .....                    | 12   | <b>3+2 years guarantee for professional finishing</b> ..... | 35   |
| <b>8. Cleaning the unit (shutting down)</b> .....       | 13   | <b>CE Declaration of conformity</b> .....                   | 36   |
| 8.1 Cleaning unit from outside .....                    | 13   |   |      |
| 8.2 Suction filter .....                                | 13   |   |      |
| 8.3 Cleaning the high-pressure filter .....             | 13   |   |      |
| 8.4 Cleaning Airless spray gun .....                    | 14   |   |      |

# 1. Safety regulations for Airless spraying

This manual contains information that must be read and understood before using the equipment. When you come to an area that has one of the following symbols, pay particular attention and make certain to heed the safeguard.



This symbol indicates a potential hazard that may cause serious injury or loss of life. Important safety information will follow.



Attention

This symbol indicates a potential hazard to you or to the equipment. Important information that tells how to prevent damage to the equipment or how to avoid causes of minor injuries will follow.



A hazard symbol such as this one refers to a specific, task-related risk. Be sure to heed the safeguard.



Notes give important information which should be given special attention.

|              |   |
|--------------|---|
|              | <p><b>HAZARD: INJECTION INJURY</b><br/>A high pressure stream produced by this equipment can pierce the skin and underlying tissues, leading to serious injury and possible amputation.<br/><b>DO NOT TREAT AN INJECTION INJURY AS A SIMPLE CUT! Injection can lead to amputation. See a physician immediately.</b><br/>The maximum operating range of the unit is 221 bar (22.1 MPa, 3200 PSI) fluid pressure.</p> |
|              |   |
|              | <p><b>PREVENTION:</b></p>   |
|              | <ul style="list-style-type: none"> <li>NEVER aim the gun at any part of the body.</li> <li>NEVER allow any part of the body to touch the fluid stream. DO NOT allow body to touch a leak in the fluid hose.</li> <li>NEVER put your hand in front of the gun. Gloves will not provide protection against an injection injury.</li> </ul>  |
|              | <ul style="list-style-type: none"> <li>ALWAYS lock the gun trigger, shut the fluid pump off and release all pressure before servicing, cleaning the tip guard, changing tips, or leaving unattended. Pressure will not be released by turning off the engine. The PRIME/SPRAY valve or pressure bleed valve must be turned to their appropriate positions to relieve system pressure.</li> </ul>                    |
| <p>0 bar</p> |   |
|              | <ul style="list-style-type: none"> <li>ALWAYS keep tip guard in place while spraying. The tip guard provides some protection but is mainly a warning device.</li> <li>NEVER use a spray gun without a working trigger lock and trigger guard in place.</li> <li>ALWAYS remove the spray tip before flushing or cleaning the system.</li> </ul>  |
|              | <ul style="list-style-type: none"> <li>The paint hose can develop leaks from wear, kinking and abuse. A leak can inject material into the skin. Inspect the hose before each use.</li> </ul>  |
|              | <ul style="list-style-type: none"> <li>All accessories must be rated at or above the maximum operating pressure range of the sprayer. This includes spray tips, guns, extensions, and hose.</li> </ul>  |

|  |   |
|--|---|
|  | <p><b>NOTE TO PHYSICIAN:</b><br/>Injection into the skin is a traumatic injury. It is important to treat the injury as soon as possible. <b>DO NOT delay treatment to research toxicity. Toxicity is a concern with some coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.</b></p> |
|--|---|

|  |  |
|--|--|
|  | <p><b>HAZARD: EXPLOSION OR FIRE</b><br/>Solvent and paint fumes can explode or ignite. Severe injury and/or property damage can occur.</p>   |
|  | <p><b>PREVENTION:</b></p>  |
|  | <ul style="list-style-type: none"> <li>Provide extensive exhaust and fresh air introduction to keep the air within the spray area free from accumulation of flammable vapors.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Avoid all ignition sources such as static electricity sparks, electrical appliances, flames, pilot lights, hot objects, and sparks from connecting and disconnecting power cords or working light switches.</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Plastic can cause static sparks. Never hang plastic to enclose spray area. Do not use plastic drop cloths when spraying flammable materials.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Always flush unit into separate metal container, at low pump pressure, with spray tip removed. Hold gun firmly against side of container to ground container and prevent static sparks.</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Do not smoke in spray area.</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Fire extinguisher must be present and in good working order.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Place sprayer at least 6.1 m (20 feet) from the spray object in a well ventilated area (add more hose if necessary). Flammable vapors are often heavier than air. Floor area must be extremely well ventilated. The pump contains arcing parts that emit sparks and can ignite vapors.</li> </ul> |
|  | <ul style="list-style-type: none"> <li>The equipment and objects in and around the spray area must be properly grounded to prevent static sparks.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Use only conductive or earthed high pressure fluid hose. Gun must be earthed through hose connections.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Power cord must be connected to a grounded circuit (electric units only).</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>The unit must be connected to an earthed object. Use the green earthing wire to connect the unit to a water pipe, steel beam, or other electrically earthed surface.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Follow material and solvent manufacturer's warnings and instructions. Be familiar with the coating material's MSDS sheet and technical information to ensure safe use.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Do not use materials with a flashpoint below 21° C (70° F). Flashpoint is the temperature at which a fluid can produce enough vapors to ignite.</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Use lowest possible pressure to flush equipment.</li> </ul>   |

|  |  |
|--|--|
|  | <p><b>HAZARD: EXPLOSION HAZARD DUE TO INCOMPATIBLE MATERIALS</b><br/>Will cause severe injury or property damage.</p>  |
|  | <p><b>PREVENTION:</b></p> <ul style="list-style-type: none"> <li>Do not use materials containing bleach or chlorine.</li> <li>Do not use halogenated hydrocarbon solvents such as methylene chloride and 1,1,1 - trichloroethane. They are not compatible with aluminum and may cause an explosion. If you are unsure of a material's compatibility with aluminum, contact your coating's supplier.</li> </ul> |

|  |   |
|--|---|
|  | <p><b>HAZARD: GENERAL</b><br/>This product can cause severe injury or property damage.</p>  |
| <br><br><br><br><br><br><br><br><br><br><br><br><br><br> | <p><b>PREVENTION:</b></p> <ul style="list-style-type: none"> <li>Read all instructions and safety precautions before operating equipment.</li> <li>Follow all appropriate local, state, and national codes governing ventilation, fire prevention, and operation.</li> <li>Pulling the trigger causes a recoil force to the hand that is holding the spray gun. The recoil force of the spray gun is particularly powerful when the tip has been removed and a high pressure has been set on the airless pump. When cleaning without a spray tip, set the pressure control knob to the lowest pressure.</li> <li>Use only manufacturer authorized parts. User assumes all risks and liabilities when using parts that do not meet the minimum specifications and safety devices of the pump manufacturer.</li> <li>Before each use, check all hoses for cuts, leaks, abrasion or bulging of cover. Check for damage or movement of couplings. Immediately replace the hose if any of these conditions exist. Never repair a paint hose. Replace it with another earthed high-pressure hose.</li> <li>Make sure power cord, air hose and spray hoses are routed in such a manner to minimize slip, trip and fall hazard.</li> <li>Clean up all material and solvent spills immediately to prevent slip hazard.</li> <li>ALWAYS follow the material manufacturer's instructions for safe handling of paint and solvents.</li> <li>Do not use this unit in workshops that are covered under the explosion prevention regulations.</li> <li>Always unplug cord from outlet before working on equipment (electric units only).</li> <li>Always keep the power cord plug in sight during usage to prevent any accidental shutdown or startup.</li> <li>Wear ear protection. This unit can produce noise levels above 85 dB(A).</li> <li>Device weighs in excess of 18 kg. Two-person lift is required.</li> <li>Never leave this equipment unattended. Keep away from children or anyone not familiar with the operation of airless equipment.</li> <li>Do not move unit while unit is running.</li> <li>Do not spray on windy days.</li> </ul> |

|          |   |
|----------|---|
|          | <p><b>HAZARD: HAZARDOUS VAPORS</b><br/>Paints, solvents, insecticides, and other materials can be harmful if inhaled or come in contact with body. Vapors can cause severe nausea, fainting, or poisoning.</p>  |
| <br><br> | <p><b>PREVENTION:</b></p> <ul style="list-style-type: none"> <li>Use a respirator or mask if vapors can be inhaled. Read all instructions supplied with the mask to be sure it will provide the necessary protection.</li> <li>Wear protective eyewear.</li> <li>Wear protective clothing as required by coating manufacturer.</li> </ul> |

### 1.1 Earthing Instructions



Electric models must be earthed. In the event of an electrical short circuit, earthing reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having an earthing wire with an appropriate earthing plug. The plug must be plugged into an outlet that is properly installed and earthed in accordance with all local codes and ordinances.



**DANGER — Improper installation of the earthing plug can result in a risk of electric shock. If repair or replacement of the cord or plug is necessary, do not connect the green earthing wire to either blade terminal. The wire with insulation having a green outer surface with or without yellow stripes is the earthing wire and must be connected to the earthing pin.**

Check with a qualified electrician or serviceman if the earthing instructions are not completely understood, or if you are in doubt as to whether the product is properly earthed. Do not modify the plug provided. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

**Work or repairs at the electrical equipment:**

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

## 2. General view of application

### 2.1 Application

= Recommended   
 = Not-recommended

| Materials   | Object Size   | Model   |         |         |         |         |         |         |
|---|---|---------|---------|---------|---------|---------|---------|---------|
|   |   | PS 3.21 | PS 3.23 | PS 3.25 | PS 3.29 | PS 3.31 | PS 3.34 | PS 3.39 |
| Release agents, oils, undercoats, primers, fillers, synthetic resin-based paints, acrylic paints<br>recommended nozzle size: FineFinish 0.008" - 0.014" | up to 200 m <sup>2</sup><br>200 m <sup>2</sup> - 800 m <sup>2</sup><br>more than 800 m <sup>2</sup> |         |         |         |         |         |         |         |
| Emulsion paints, latex paints<br>recommended nozzle size: 0.017" - 0.027"   | up to 200 m <sup>2</sup><br>200 m <sup>2</sup> - 800 m <sup>2</sup><br>more than 800 m <sup>2</sup> |         |         |         |         |         |         |         |
| Anti-corrosive agents, flame retardants, fabric adhesive<br>recommended nozzle size: 0.021" - 0.031"  | up to 200 m <sup>2</sup><br>200 m <sup>2</sup> - 800 m <sup>2</sup><br>more than 800 m <sup>2</sup> |         |         |         |         |         |         |         |
| Airless-scrappers<br>recommended nozzle size: 0.027" - 0.039"   | up to 200 m <sup>2</sup><br>200 m <sup>2</sup> - 800 m <sup>2</sup><br>more than 800 m <sup>2</sup> |         |         |         |         |         |         |         |

### 2.2 Coating materials

#### Processible coating materials



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

Dilutable lacquers and paints or those containing solvents, two-component coating materials, dispersions, latex paints.

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

#### Filtering

Despite suction filter and insertion filter in the spray gun, filtering of the coating material is generally advisable.

Stir coating material before commencement of work.



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

#### Viscosity

With this unit it is possible to process highly viscous coating materials of up to around 25.000 MPa-s.

If highly viscous coating materials cannot be taken in by suction, they must be diluted in accordance with the manufacturer's instructions.

#### Two-component coating material

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

#### Coating materials with sharp-edged additional materials

These have a strong wear and tear effect on valves, high-pressure hose, spray gun and tip. The durability of these parts can be reduced appreciably through this.

## 3. Description of unit

### 3.1 Airless process

The main areas of application are thick layers of highly viscous coating material for large areas and a high consumption of material.

A piston pump takes in the coating material by suction and conveys it to the tip. Pressed through the tip at a pressure of up to a maximum of 221 bar (22.1 MPa), the coating material is atomised. This high pressure has the effect of micro fine atomisation of the coating material.

As no air is used in this process, it is described as an AIRLESS process.

This method of spraying has the advantages of finest atomisation, cloudless operation and a smooth, bubble-free surface. As well as these, the advantages of the speed of work and convenience must be mentioned.

### 3.2 Functioning of the unit

In the following there is a short description of the technical construction for better understanding of the function.

WAGNER ProSpray units are electrically driven high-pressure spraying units.

A gear unit transfers the driving force to a crankshaft. The crankshaft moves the pistons of the material feed pump up and down.

The inlet valve is opened automatically by the upwards movement of the piston. The outlet valve is opened when the piston moves downward.

The coating material flows under high pressure through the high-pressure hose to the spray gun. When the coating material exits from the tip it atomizes.

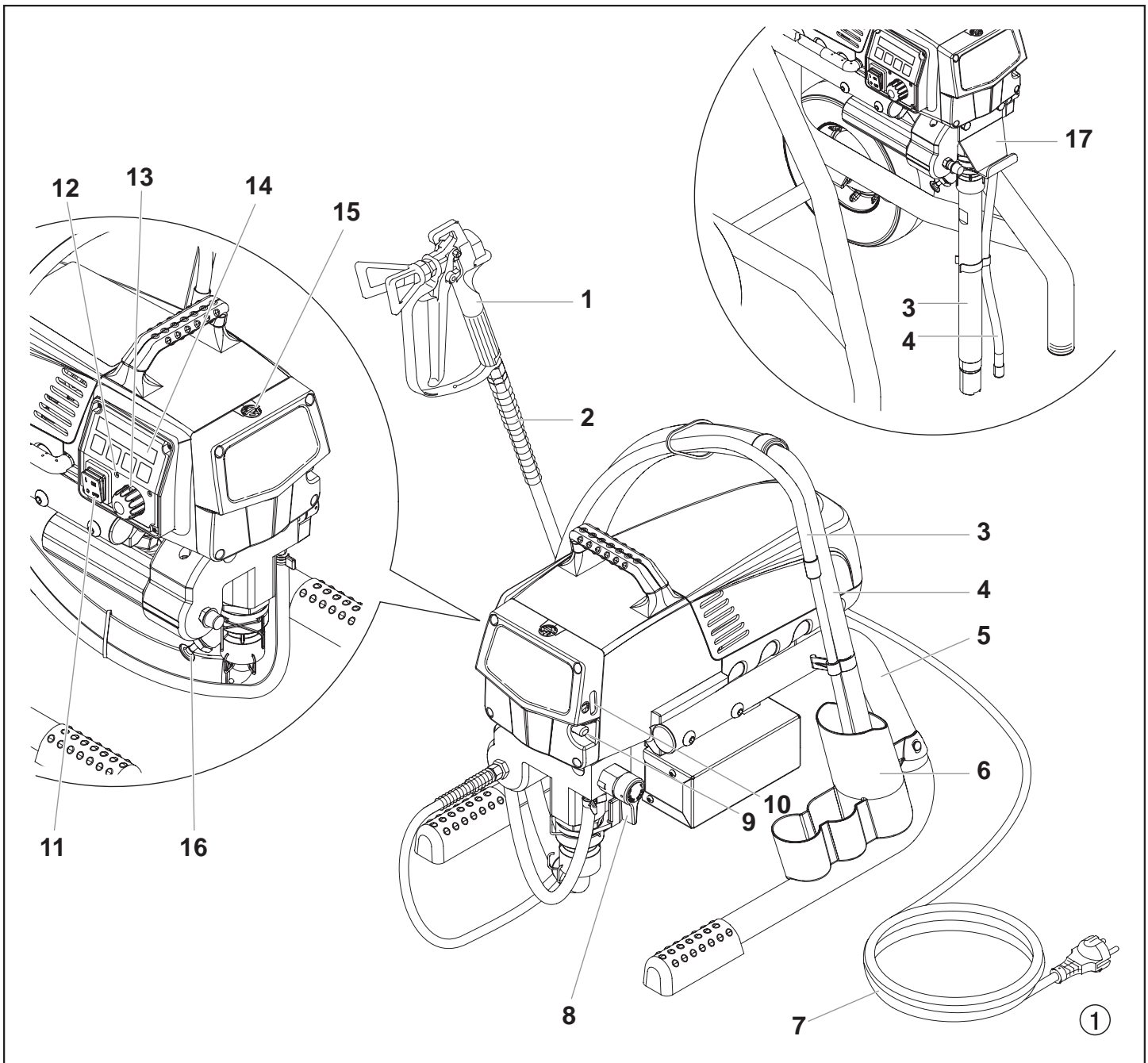
The pressure regulator controls the volume and the operating pressure of the coating material.



### 3.3 Legend for explanatory diagram ProSpray 3.25

- |   |  |
|---|--|
| 1 Spray gun                                     | 9 Oil button   |
| 2 High-pressure hose                            | 10 Oil level gauge   |
| 3 Return hose                                   | 11 ON/OFF switch   |
| 4 Suction hose                                  | 12 Control panel indicators  |
| 5 Frame   | 13 Pressure control knob   |
| 6 Drip cup                                      | 14 Digital Electronic Spray Control (DESC)                                   |
| 7 Power cord                                    | 15 Oil cup for EasyGlide (EasyGlide prevents increased wear of the packings) |
| 8 Relief valve                                  | 16 Pusher stem   |
| Lever position vertical – PRIME (↻ circulation) | 17 Pail hook (high cart)   |
| Lever position horizontal – SPRAY (→)           |  |

### 3.4 Explanatory diagram ProSpray 3.25



### 3.5 Technical data

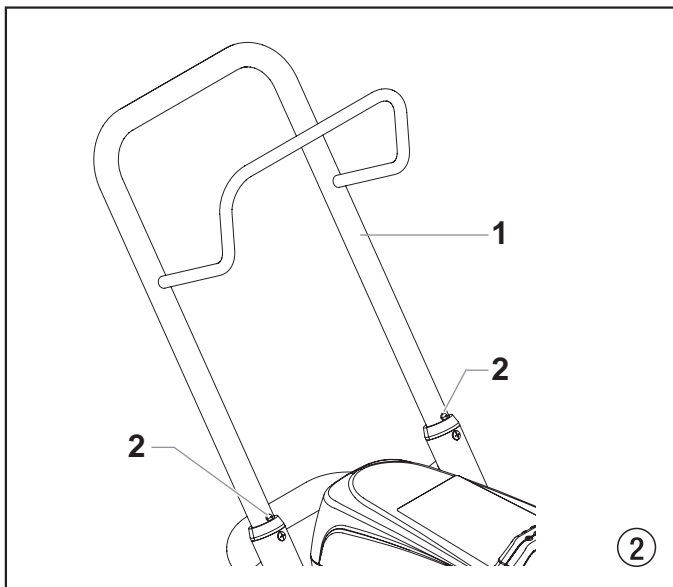
|  |   |
|--|---|
| <b>Voltage:</b>                                    | 220~240 Volt AC, 50/60 Hz                   |
| <b>Max. current consumption:</b>                   | 6.0 A @ 230VAC                              |
| <b>Power cord:</b>                                 | 3 x 1.5 mm <sup>2</sup> – 6 m               |
| <b>Acceptance capacity:</b>                        | 1100 Watt                                   |
| <b>Max. operating pressure:</b>                    | 221 bar (22.1 MPa)                          |
| <b>Volume flow at 12 MPa (120 bar) with water:</b> | 2.6 l/min                                   |
| <b>Max tip size:</b>                               | 0.027 inch – 0.69 mm                        |
| <b>Max. temperature of the coating material:</b>   | 43°C  |
| <b>Max viscosity:</b>                              | 25.000 MPa·s                                |
| <b>Weight:</b>                                     |   |
| Stand:   | 17.9 kg                                     |
| Cart:  | 27.4 kg                                     |
| Low cart:  | 27.4 kg                                     |
| <b>Special high-pressure hose:</b>                 | DN 6 mm, 15 m, connection thread M 16 x 1.5 |
| <b>Dimensions (L X W X H):</b>                     |   |
| Stand:   | 436 x 369 x 416 mm                          |
| High cart:   | 611 x 481 x 734 mm                          |
| Low cart:  | 1148 x 541 x 485 mm                         |
| <b>Max sound pressure level:</b>                   | 80 dB (A) *                                 |

\* Place of measuring: 1 m in distance from the unit and 1.6 m above the floor, 12 MPa (120 bar) operating pressure, reverberant floor.

### 3.6 Transportation

#### Pushing or pulling the unit

Pull out the handle (Fig. 2, Item 1) until it will come no further. Insert the handle – push the buttons (2) on the spars, and then push in the handle.



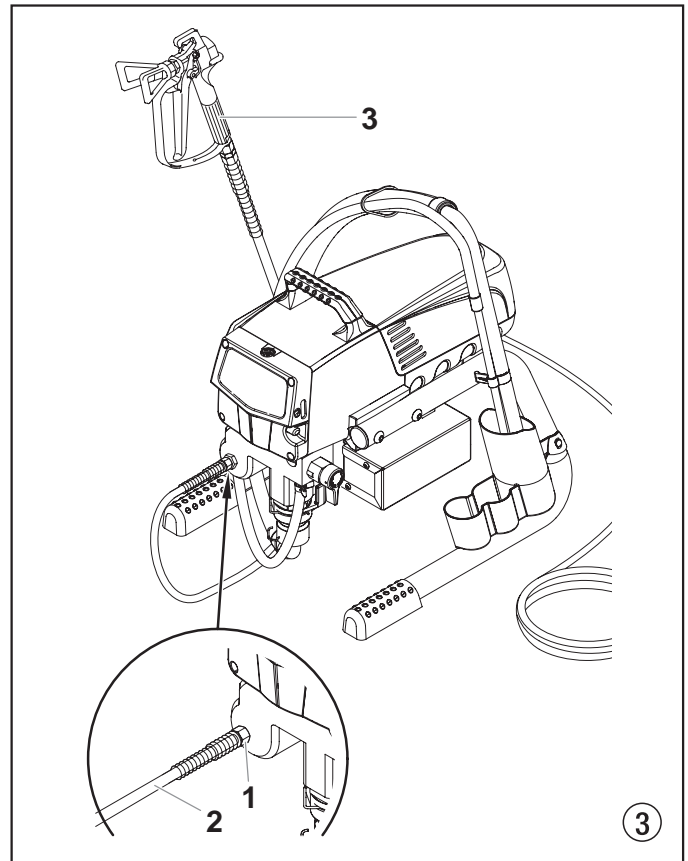
### 3.7 Transportation in vehicle

Secure the unit with a suitable fastening.

## 4. Starting operation

### 4.1 High-pressure hose, spray gun and separating oil

1. Screw the high-pressure hose (2) to the coating material outlet (Fig. 3, Item 1).
2. Screw the spray gun (3) with the selected tip onto the high-pressure hose.
3. Tighten the union nuts at the high-pressure hoses firmly so that coating material does not leak.



4. Remove the oil cup cap with a straight-slot screwdriver.
5. Fill the oil cup with EasyGlide (Fig. 4) until the oil gauge (4) is showing that it is full.

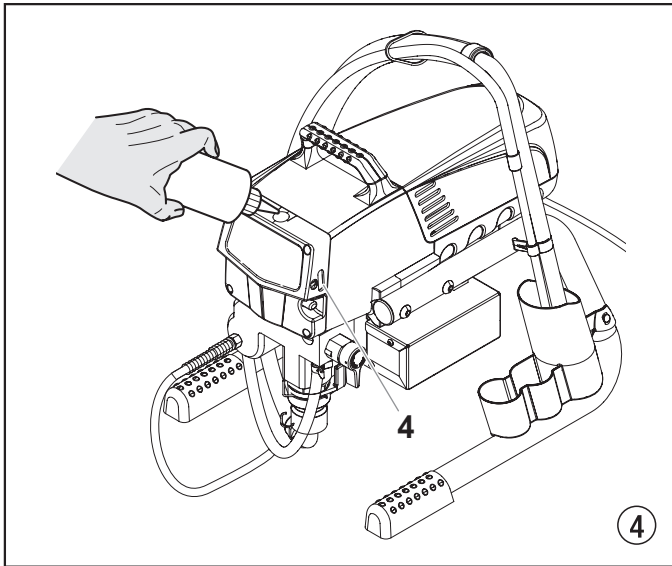


Attention

**EasyGlide prevents increased wear and tear to the packings.**

6. Replace oil cup cap.
7. Press oil button 2-5 times to prime the oiler. Press once for every eight hours of usage to lubricate the fluid section.
8. Fully depress the pusher stem to make sure the inlet ball is free.





**Solid Green**

When the pressure indicator is solid green, the sprayer is operating between 12 MPa (120 bar) and 23 MPa (230 bar). A solid green pressure indicator means:

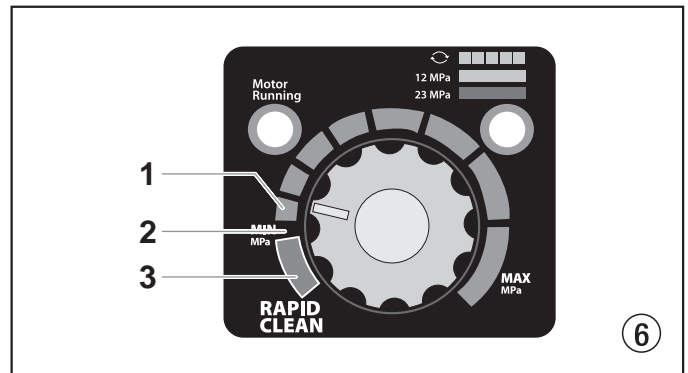
- The sprayer is at the proper pressure setting for spraying oil-based and latex house paints
- The sprayer is operating at peak performance at a high pressure setting
- If the pressure indicator goes to solid yellow when the pressure is set so that it starts at solid green, it indicates one of the following:
  - a. **Tip Wear Indicator** — when spraying with latex or at high pressure the solid yellow appears. This means the tip is worn and needs to be replaced.
  - b. **Tip Too Large** — when a tip that is too large for the sprayer is put in the gun, the pressure indicator will turn from solid green to solid yellow.
  - c. **Fluid Section Wear** — if a solid yellow pressure indicator appears when using a new tip and the pressure is set at maximum, service may be required (worn packings, worn piston, stuck valve, etc...).

**Service Indicator**

The Service indicator is on when the motor is commanded to run. This indicator is used by service centers to troubleshoot motor problems.

**4.3 Pressure control knob settings (Fig. 6)**

1. Minimum pressure setting
2. Black zone – no pressure generation
3. Blue zone – pulsating pressure for cleaning



**4.4 Connection to the mains network**



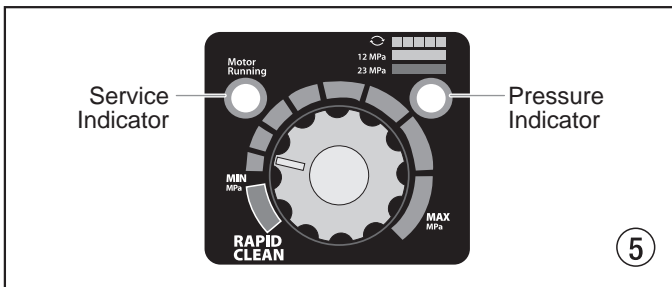
Attention

The unit must be connected to an appropriately-grounded safety outlet.

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

**4.2 Control Panel Indicators**

The following is a description of the control panel indicators.



**Pressure Indicator**

The pressure indicator shows the current operating pressure of the sprayer. It has three different indications: blinking yellow, solid yellow, and solid green.

**Blinking Yellow**

When the pressure indicator is blinking yellow, the sprayer is operating between 0 and 1.4 MPa (14 bar). A blinking yellow pressure indicator means:

- The sprayer is plugged in and turned "ON"
- The sprayer is at priming pressure (little or no pressure)
- It is safe to move the relief valve between positions
- It is safe to change or replace the spray tip



If the pressure indicator begins blinking yellow when the pressure control knob is set at a higher pressure and the relief valve is in the SPRAY position, either the spray tip is worn or the sprayer is in need of service/repair.

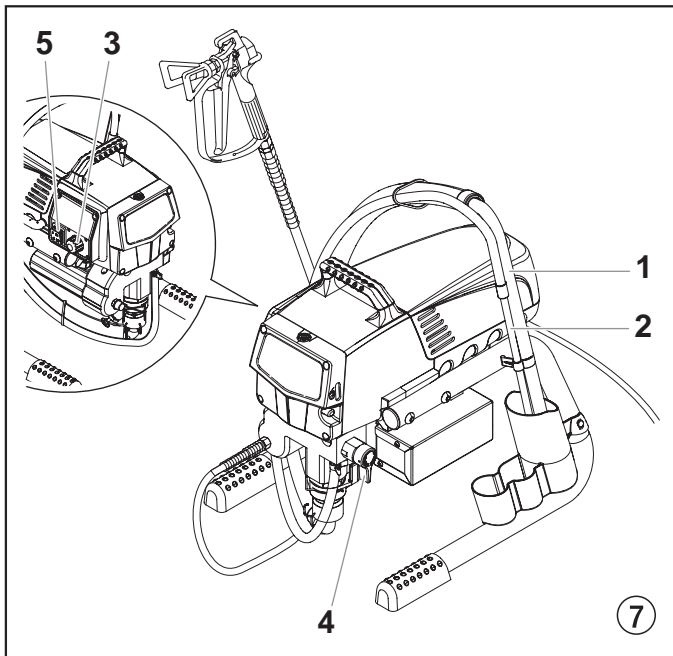
**Solid Yellow**

When the pressure indicator is solid yellow, the sprayer is operating between 1.4 MPa (14 bar) and 12 MPa (120 bar). A solid yellow pressure indicator means:

- The sprayer is at the proper pressure setting for spraying stain, lacquer, varnish, and multi-colors

#### 4.5 Cleaning preserving agent when starting-up of operation initially

1. Depending on the model, swivel or immerse the suction tube (Fig. 7, Item 1) or the suction hose and return hose (2) into a container with a suitable cleaning agent.
2. Turn the pressure control knob counterclockwise (3) to minimum pressure.
3. Open the relief valve (4), valve position PRIME (↻ circulation).
4. Switch the unit (5) ON.
5. Wait until the cleaning agent exudes from the return hose.
6. Close the relief valve, valve position SPRAY (↗ spray).
7. Pull the trigger of the spray gun.
8. Spray the cleaning agent from the unit into an open collecting container.

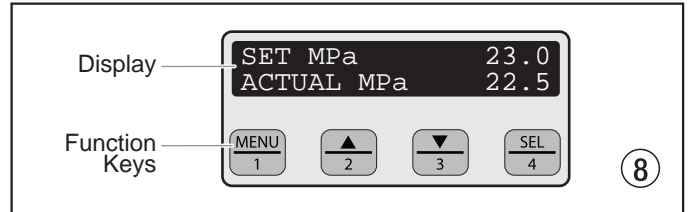


#### 4.6 Taking the unit into operation with coating material

1. Depending on the model swivel or immerse the suction tube (Fig. 7, Item 1) or the suction hose and return hose (2) into the coating material container.
2. Turn the pressure control knob counterclockwise (3) to minimum pressure.
3. Open the relief valve (4), valve position PRIME (↻ circulation).
4. Switch the unit (5) ON.
5. Wait until the coating material exudes from the return hose.
6. Close the relief valve, valve position SPRAY (↗ spray).
7. Trigger the spray gun several times and spray into a collecting container until the coating material exits the spray gun without interruption.
8. Increase the pressure by slowly turning up the pressure control knob.  
Check the spray pattern and increase the pressure until the atomization is correct.  
Always turn the pressure control knob to the lowest setting with good atomization.
9. The unit is ready to spray.

#### 4.7 Digital Electronic Spray Control (DESC)

The Digital Electronic Spray Control (DESC) increases the functionality of the sprayer. It is installed directly below the pressure control knob on the control panel. It consists of a display and four function keys. The display shows various menu screens that allow the user to customize and monitor sprayer operation using the function keys.



**i** The pressure control knob overrides the Digital Electronic Spray Control (DESC) settings. Anytime the pressure control knob is turned, the sprayer pressure will change accordingly.

#### Function Keys

The function keys are numbered 1–4. Each key is labeled with an additional function as well.

##### #1/Menu Key

Pressing the #1 key scrolls through the available menu screens or performs a function described on the active menu screen.

##### #2/+ Key

Pressing the #2 key performs a function described on the active menu screen or increases a value.

##### #3/- Key

Pressing the #3 key performs a function described on the active menu screen or decrease a value.

##### #4/Select Key

Pressing the #4 key selects the active menu screen or performs a function described on the active menu screen.

#### Menu Screens

Several menu screens are available for the user to customize and monitor sprayer operation. They include Main Screen, Volume Pumped, Job Volume, Unit Serial #, Timers, Job Timers, Service Time, Security Code, Prime, and Rapid Clean.

#### Main Screen

The Main Screen is the default screen for the control system at sprayer startup.



**Pressing the #2 key switches between PSI and MPa units of measure.** Press the #1 key to scroll through the remaining menu screens.

**i** For sprayers equipped with an nine-language Digital Electronic Spray Control (DESC):  
**Pressing the #2 key at the Main Screen switches between MPa and Bar units of measure.**  
**Pressing the #3 key at the Main Screen changes the language of the text on the display. There are a total of nine languages available. Each time the #3 key is pressed, a different language will appear. The languages, in order of appearance, are: English, Spanish, French, German, Danish, Italian, Swedish, Dutch and Portuguese.**

**Volume Pumped Screen**

The Volume Pumped screen shows the total number of gallons or liters sprayed by the sprayer.

To select the Volume Pumped screen, press the #4 key.

VOLUME PUMPED  
MENU-1 SELECT-4

GALLONS X  
MENU-1 LITRES-2

LITRES X  
MENU-1 GALLONS-2

**Job Volume Screen**

The Job Volume screen allows the user to reset a liter counter to track usage on specific jobs.

To select the Job Volume screen, press the #4 key.

JOB VOLUME  
MENU-1 SELECT-4

GALLONS XXXX  
MENU-1 RESET-3

**Unit Serial # Screen**

The Unit Serial # screen shows the sprayers serial number.

To select the Unit Serial # screen, press the #4 key.

UNIT SERIAL #  
MENU-1 SELECT-4

SER # XXXXXXXXXXXX  
MENU-1

**Timers Screen**

The Timers screen shows the total time the sprayer has been turned on as well as the total time the sprayer has been running (pumping).

To select the Timers screen, press the #4 key.

TIMERS  
MENU-1 SELECT-4

ON TIME XXXX  
RUN TIME XXXX

**Job Timers Screen**

The Job Timers screen allows the user to reset the "ON TIME" and "RUN TIME" to track time on specific jobs.

To select the Job Timers screen, press the #4 key. "JOB ON" screen will appear. Press #3 to reset. Press #1 to continue to "JOB RUN" screen. Press #3 to reset. Press #1 to scroll through the remaining menu screens.

JOB TIMERS  
MENU-1 SELECT-4

JOB ON X  
MENU-1 RESET-3

JOB RUN X  
MENU-1 RESET-3

**Service Time Screen**

The Service Time screen allows the user to set a service time interval (in hours).

Below the set time, the screens shows the current amount of hours on the sprayer since the last activation of the service timer. To select the Service Timer screen, press the #4 key.

To set the service time, press the #2 (up) and/or the #3 (down) keys to the desired time (run hours will increase/decrease in increments of 1 for each time you press a key).

When the service time interval is set and met by the run hours, the display will show a "Service Required" screen. The pump will remain functional. To return to the Main Screen, press the #1 key. Doing so will reset the "Service @" and "Run Hours" displayed on the Service Screen back to 0.

SERVICE TIME  
MENU-1 SELECT-4

SERVICE @ XX  
RUN HOURS XX

**Security Code Screen**

The Security Code screen allows the user to set a four digit security code to prevent unauthorized use of the sprayer. If a security code has been set, the control system display will ask for the code at startup. If the correct code is entered, the display will show the Main Screen and the sprayer will operate. If the wrong code is entered, the display will continue to ask for the correct code and the sprayer will be disabled. To set or change the security code, press the #2 key.

SECURITY CODE  
MENU-1 CHANGE-2



**If the sprayer is new, no security code is set and the Main Screen will appear at startup. When setting a security code for the first time, the "Enter Old Code Number" screen will appear, and you will need to enter "1111".**

Enter the old security code number to access the screen that allows the code change. If the wrong code is entered, the display will continue to ask for the correct code and the security code cannot be changed.

ENTER OLD CODE  
NUMBER

Enter the new security code. Once the new code is entered, the display will automatically ask that the new code be re-entered for verification. If the same new code is re-entered, the display will confirm that the new code has been accepted and return to the Main Screen.

ENTER NEW CODE  
NUMBER XXXX

RE-ENTER NEW  
NUMBER XXXX

NEW CODE NUMBER  
ACCEPTED

If the new code is re-entered incorrectly, the display will return to the "Enter New Code Number" screen and the process will repeat.

If you forget or misplace your security code, you can contact Wagner customer service for assistance.



**To inactivate the security function, enter "1111" at the "Enter New Code Number" screen (this is the default code that leaves the sprayer unlocked). As a result, the Main Screen will appear at sprayer startup.**

**Prime Screen**

The Prime screen appears when the pressure control knob is set at the "MIN" setting.

PRIME

**Rapid Clean Screen**

The Rapid Clean screen appears when the pressure control knob is set at the RAPID CLEAN position and the PRIME/SPRAY valve is in the PRIME position.

RAPID CLEAN



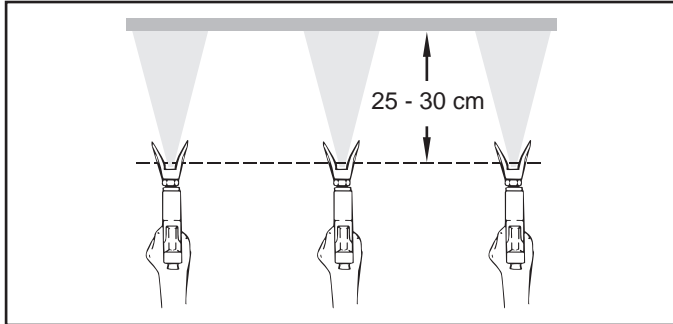
**If there is no action at any menu screen for 30 seconds, the display will go back to the Main Screen.**

## 5. Spraying technique

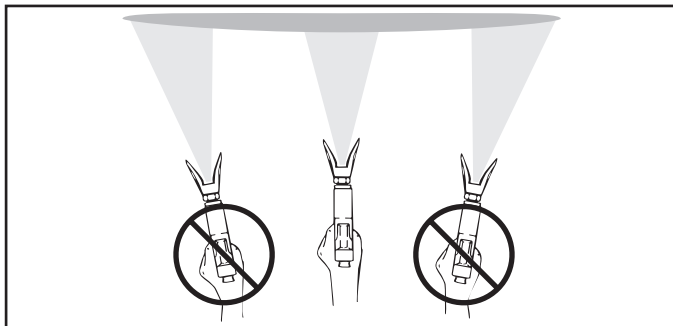


**Injection hazard. Do not spray without the tip guard in place. NEVER trigger the gun unless the tip is completely turned to either the spray or the unclog position. ALWAYS engage the gun trigger lock before removing, replacing or cleaning tip.**

The key to a good paint job is an even coating over the entire surface. 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.

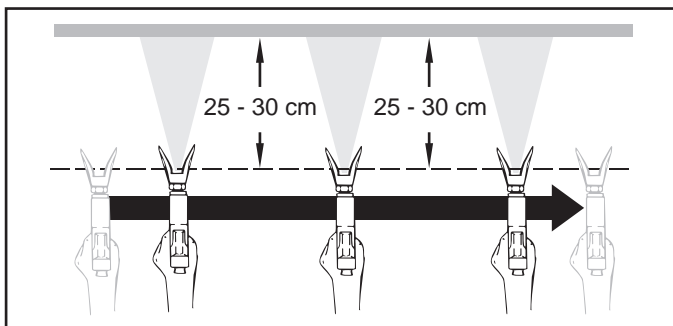


Keep the spray gun at right angles to the surface. This means moving your entire arm back and forth rather than just flexing your wrist.



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

Trigger gun after starting the stroke. Release the trigger before ending the stroke. The spray gun should be moving when the trigger is pulled and released. Overlap each stroke by about 30%. This will ensure an even coating.



**If very sharp edges result or if there are streaks in the spray jet – increase the operating pressure or dilute the coating material.**

## 6. Handling the high-pressure hose

Avoid sharp bending or kinking of the high-pressure hose. The smallest bending radius amounts to about 20 cm.

Do not drive over the high-pressure hose. Protect against sharp objects and edges.



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

**Never repair defective high-pressure hoses yourself!**

### 6.1 High-pressure hose

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



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

## 7. Interruption of work

1. Open the relief valve, valve position PRIME (↻ circulation).
2. Switch the unit OFF.
3. Turn the pressure control knob counterclockwise to minimum pressure.
4. Pull the trigger of the spray gun in order to release the pressure from the high-pressure hose and spray gun.
5. Secure the spray gun, refer to the operating manual of the spray gun.
6. If a standard tip is to be cleaned, see Page 19, Section 12.2.  
If a non-standard tip is installed, proceed according to the relevant operating manual.
7. Depending on the model, leave the suction tube or the suction hose and return hose immersed in the coating material or swivel or immerse it into a corresponding cleaning agent.



**Attention**

**If fast-drying or two-component coating material is used, ensure that the unit is rinsed with a suitable cleaning agent within the processing time.**



## 8. Cleaning the unit (shutting down)

A clean state is the best method of ensuring operation without problems. After you have finished spraying, clean the unit. Under no circumstances may any remaining coating material dry and harden in the unit.

The cleaning agent used for cleaning (only with an ignition point above 21 °C) must be suitable for the coating material used.

- **Secure the spray gun**, refer to the operating manual of the spray gun.

Clean and remove tip.

For a standard tip, refer to Page 19, Section 12.2.

If a non-standard tip is installed, proceed according to the relevant operating manual.

1. Remove suction hose from the coating material.
2. Close the relief valve, valve position SPRAY (→ spray).
3. Switch the unit ON.
4. Pull the trigger of the spray gun in order to pump the remaining coating material from the suction hose, high-pressure hose and the spray gun into an open container.



**The container must be earthed in case of coating materials which contain solvents.**

Attention



**Caution! Do not pump or spray into a container with a small opening (bunghole)! Refer to the safety regulations.**

5. Immerse suction hose with return hose into a container with a suitable cleaning agent.
6. Turn the pressure control knob into the blue zone - pulsating pressure for unit cleaning.
7. Open the relief valve, valve position PRIME (↻ circulation).
8. Pump a suitable cleaning agent in the circuit for a few minutes.
9. Close the relief valve, valve position SPRAY (→ spray).
10. Pull the trigger of the spray gun.
11. Pump the remaining cleaning agent into an open container until the unit is empty.
12. Switch the unit OFF.

### 8.1 Cleaning unit from outside



**First of all pull out mains plug from socket.**



**Danger of short circuit through penetrating water!**

**Never spray down the unit with high-pressure or high-pressure steam cleaners.**

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

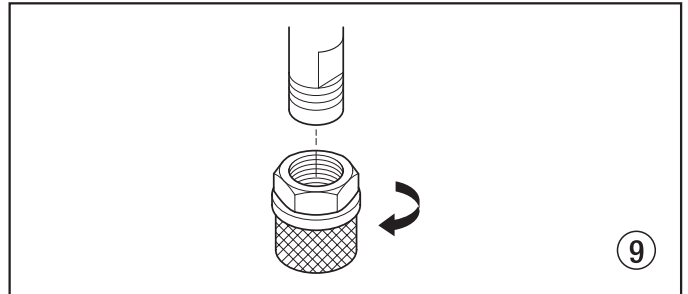
### 8.2 Suction filter (Stand and low boy cart model only)



**A clean suction filter always guarantees maximum feed quantity, constant spraying pressure and problem-free functioning of the unit.**

1. Screw off the filter (Fig. 9) from suction pipe.
2. Clean or replace the filter.

Carry out cleaning with a hard brush and an appropriate cleaning agent.



### 8.3 Cleaning the high-pressure filter

Clean the filter cartridge regularly.

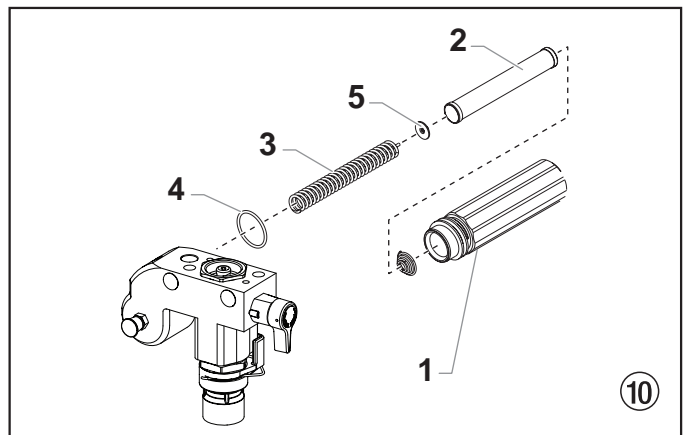
A soiled or clogged high-pressure filter can cause a poor spray pattern or a clogged tip.

1. Turn the pressure control knob counterclockwise to minimum pressure.
2. Open the relief valve, valve position PRIME (↻ circulation).
3. Switch the unit OFF.



**Unplug the power plug from the outlet.**

4. Unscrew the filter housing (Fig. 10, Item 1) with a strap wrench.
5. Pull the filter cartridge (2) from the bearing spring (3).
6. Clean all the parts with the corresponding cleaning agent. If necessary, replace the filter cartridge.
7. Check the O-ring (4), replace it if necessary.
8. Place the bearing ring (5) against the bearing spring (3). Slide the filter cartridge (2) over the bearing spring.
9. Screw in filter housing (1) and tighten it as far as possible with the strap wrench.



### 8.4 Cleaning Airless spray gun

1. Rinse Airless spray gun with an appropriate cleaning agent.
2. Clean tip thoroughly with appropriate cleaning agent so that no coating material residue remains.
3. Thoroughly clean the outside of the Airless spray gun.

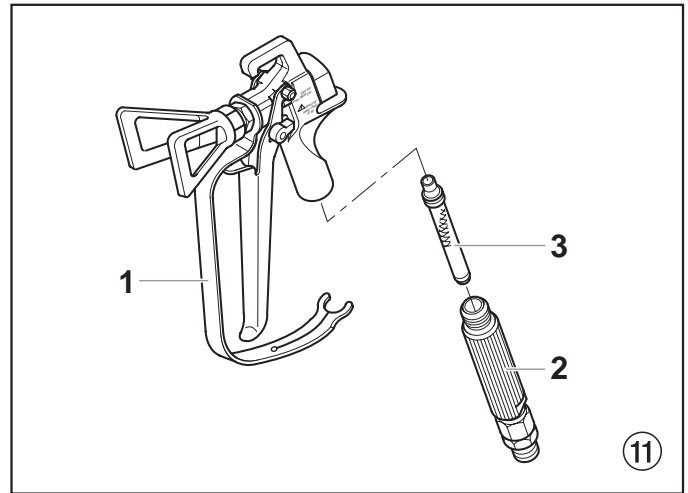
#### Intake filter in Airless spray gun

##### Disassembly (Fig. 11)

1. Pull protective guard (1) forward vigorously.
2. Screw grip (2) out of the gun housing. Remove intake filter (3).
3. Intake filter congested or defective – replace.

#### Assembly

1. Place intake filter (3) with the long cone into the gun housing.
2. Screw in grip (2) into the gun housing and tighten.
3. Slot in protective guard (1).



## 9. Remedy in case of faults

| Type of malfunction   | Possible cause  | Measures for eliminating the malfunction  |
|---|---|---|
| A. Unit does not start  | <ol style="list-style-type: none"> <li>1. No voltage applied.</li> <li>2. Pressure setting too low.</li> <li>3. ON/OFF switch defective.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Check voltage supply.</li> <li>2. Turn up pressure control knob.</li> <li>3. Replace.</li> </ol>  |
| B. Unit does not draw in material                             | <ol style="list-style-type: none"> <li>1. Relief valve is set to SPRAY (☞ spray).</li> <li>2. Filter projects over the fluid level and sucks air.</li> <li>3. Filter clogged.</li> <li>4. Suction hose/suction tube is loose, i.e. the unit is sucking in outside air.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Set relief valve to PRIME (↻ circulation).</li> <li>2. Refill the coating material.</li> <li>3. Clean or replace the filter.</li> <li>4. Clean connecting points. Replace O-rings if necessary. Secure suction hose with retaining clip.</li> </ol>   |
| C. Unit draws in material, but the pressure does not build up | <ol style="list-style-type: none"> <li>1. Tip heavily worn.</li> <li>2. Tip too large.</li> <li>3. Pressure setting too low.</li> <li>4. Filter clogged.</li> <li>5. Coating material flows through the return hose when the relief valve is in the SPRAY (☞ spray) position.</li> <li>6. Packings sticky or worn.</li> <li>7. Valve balls worn.</li> <li>8. Valve seats worn.</li> </ol> | <ol style="list-style-type: none"> <li>1. Replace</li> <li>2. For selection of a smaller tip, see Tip table on Page 20.</li> <li>3. Turn pressure control knob clockwise to increase.</li> <li>4. Clean or replace the filter.</li> <li>5. Remove and clean or replace relief valve.</li> <li>6. Remove and clean or replace packings.</li> <li>7. Remove and replace valve balls.</li> <li>8. Remove and replace valve seats.</li> </ol> |



| Type of malfunction                                       | Possible cause  | Measures for eliminating the malfunction   |
|---|---|--|
| D. Coating material exits at the top of the fluid section | <ol style="list-style-type: none"> <li>Upper packing is worn.</li> <li>Piston is worn.</li> </ol>   | <ol style="list-style-type: none"> <li>Remove and replace packing.</li> <li>Remove and replace piston.</li> </ol>  |
| E. Increased pulsation at the spray gun                   | <ol style="list-style-type: none"> <li>Incorrect high-pressure hose type.</li> <li>Tip worn or too large.</li> <li>Pressure too high.</li> </ol>  | <ol style="list-style-type: none"> <li>Only use WAGNER original-high-pressure hoses in order to ensure functionality, safety and durability.</li> <li>Replace tip.</li> <li>Turn pressure control knob to a lower number.</li> </ol>   |
| F. Poor spray pattern                                     | <ol style="list-style-type: none"> <li>Tip is too large for the coating material which is to be sprayed.</li> <li>Pressure setting incorrect.</li> <li>Volume too low.</li> <li>Coating material viscosity too high.</li> </ol> | <ol style="list-style-type: none"> <li>Replace tip, see Tip table on Page 20.</li> <li>Turn pressure control knob until a satisfactory spraying pattern is achieved.</li> <li>Clean or replace all filters.</li> <li>Thin out according to the manufacturer's instructions.</li> </ol> |
| G. Unit loses power                                       | <ol style="list-style-type: none"> <li>Pressure setting too low.</li> </ol>   | <ol style="list-style-type: none"> <li>Turn pressure control knob clockwise to increase.</li> </ol>  |

## Digital Electronic Spray Control (DESC) Error Messages

The following error message screens appear whenever the Digital Electronic Spray Control (DESC) detects a problem with the sprayer. Once a problem occurs and the error message appears, the sprayer will shut down.



**Before proceeding, relieve any pressure remaining in the system (valve position PRIME  $\odot$ ). Additionally, follow all other warnings to reduce the risk of an injection injury, injury from moving parts or electric shock. Always unplug the sprayer before servicing!**

### Check Transducer Screen

The Check Transducer screen appears when the transducer has become disconnected or is defective. Take the sprayer to a Wagner authorized service center for repair.

CHECK TRANSDUCER

### Check Motor Screen

The Check Motor screen appears when the motor or motor sensor is defective. Take the sprayer to a Wagner authorized service center for repair.

CHECK MOTOR

### Low Voltage Screen

The Low Voltage screen appears when the sprayer shuts down because of low input voltage. Check the power supply and correct the problem. Restart the sprayer.

LOW VOLTAGE

### High Motor Temperature Screen

The High Motor Temperature screen appears when the temperature of the motor has risen too high. Take the sprayer to a Wagner authorized service center for repair.

HIGH MOTOR TEMPERATURE

### High Control Temperature Screen

The High Control Temperature screen appears when the temperature of the Digital Electronic Spray Control (DESC) has risen too high. Take the sprayer to a Wagner authorized service center for repair.

HIGH CONTROL TEMPERATURE

### High Mechanical Load

The High Mechanical Load screen appears when the sprayer shuts down because of high current or when the sprayer goes into current fold back mode. Take the sprayer to a Wagner authorized service center for repair.

HIGH LOAD CHECK MECHANISM

### Exceeded Pressure Limit Screen

The Exceeded Pressure Limit screen appears when the sprayer pressure exceeds 3300 PSI / 22.8 MPa. Take the sprayer to a Wagner authorized service center for repair.

EXCEEDED PRESSURE LIMIT

## 10. Servicing

### 10.1 General servicing

Servicing of the unit should be carried out once annually by the WAGNER service.

1. Check high-pressure hoses, device connecting line and plug for damage.
2. Check the inlet valve, outlet valve and filter for wear.

### 10.2 High-pressure hose

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

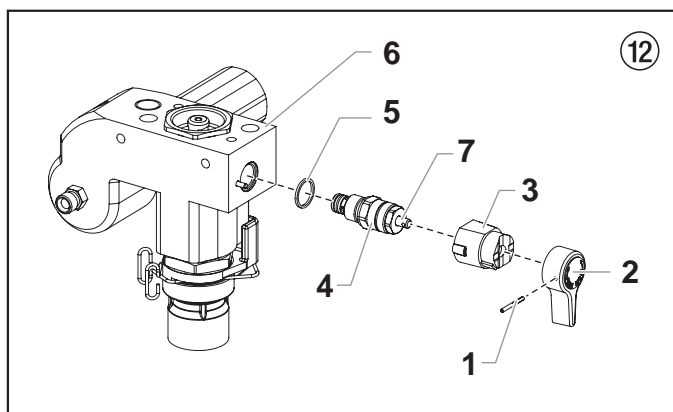
## 11. Repairs at the unit



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

### 11.1 Relief valve

1. Use a drift punch of 2 mm to remove the grooved pin (Fig. 12, Item 1) from the relief valve handle (2).
2. Remove the relief valve handle (2) and cam base (3).
3. Using a wrench, remove the valve housing (4) from the pump manifold (6).
4. Ensure that the seal (5) is seated correctly, then screw the new valve housing (4) completely into the pump manifold (6). Tighten securely with a wrench.
5. Align the cam base (3) with the hole in the pump manifold (6). Lubricate the cam base with grease and slide on the cam base.
6. Bring the hole in the valve shaft (7) and in the relief valve handle (2) into alignment.
7. Insert the grooved pin (1) to secure the relief valve handle in position.



### 11.2 Inlet and outlet valve

1. Remove the four screws in the front cover and then remove the front cover.



**Danger of crushing - do not reach with the fingers or tool between the moving parts.**

2. The piston rod will need to be in the lower stroke position:
  - a. Turn the pressure control knob to minimum pressure. The DESC screen should say "PRIME".
  - b. Press the #1 key on the DESC control panel. The "CREEP MODE" screen will now appear.
  - c. Slowly turn the pressure control knob clockwise to increase the pressure. The crankshaft/slider assembly will begin to move very slowly.
  - d. When it reaches the bottom, dead-center of its stroke, turn the pressure control knob back to minimum pressure. The crankshaft/slider assembly should stop.

3. Unplug the power plug from the outlet.

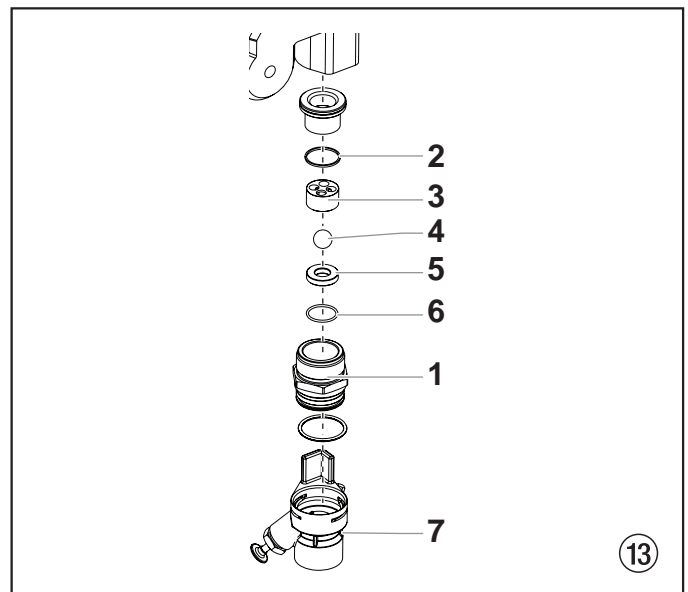
#### 4. Unit on high-rider cart:

Screw off the suction tube.

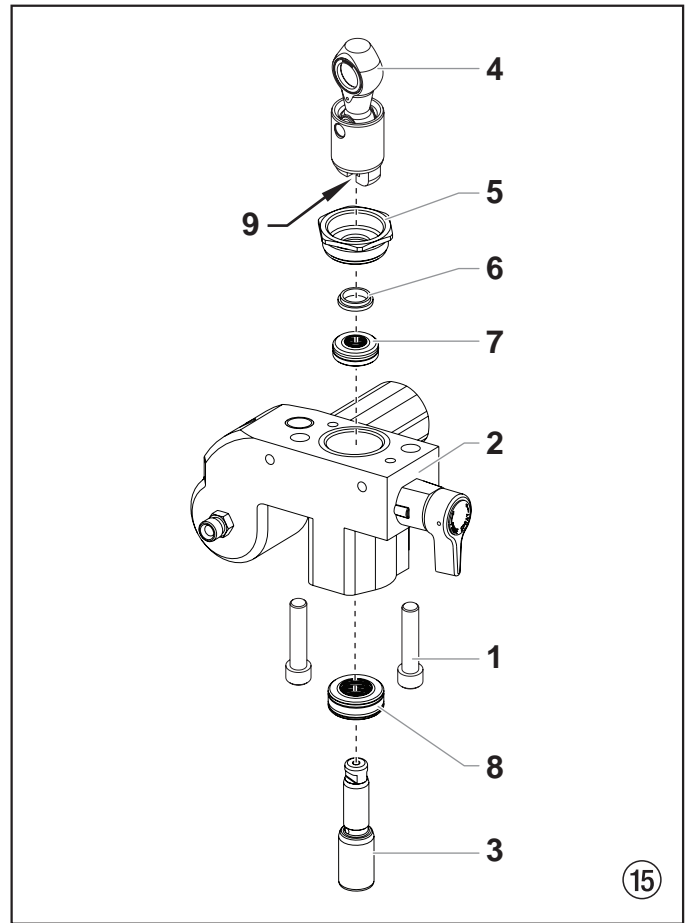
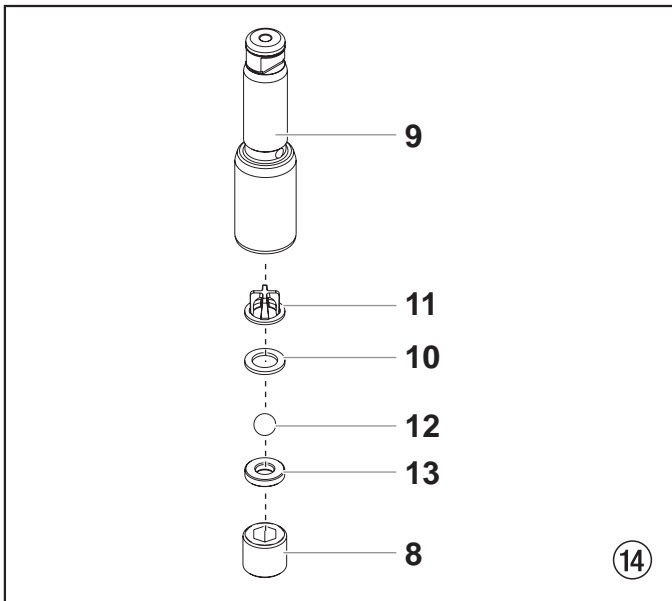
#### Unit on stand / low boy cart:

Remove the retaining clip from the connecting bend at the suction hose and pull off the suction hose.

5. Screw off the return hose.
6. Swivel the unit 90° to the rear in order to work more easily on the material feed pump.
7. Remove the pusher stem clip and slide the pusher stem housing (7) from the inlet valve housing (1).
8. Unscrew the inlet valve housing (Fig. 13, Item 1) from the pump manifold.
9. Remove the lower seal (2), lower ball guide (3), inlet valve ball (4), inlet valve seat (5) and O-ring (6).
10. Clean all the parts with the corresponding cleaning agent. Check the inlet valve housing (1), inlet valve seat (5) and inlet valve ball (4) for wear and replace the parts if necessary. If the worn inlet valve seat (5) is unused on one side, install it the other way round.



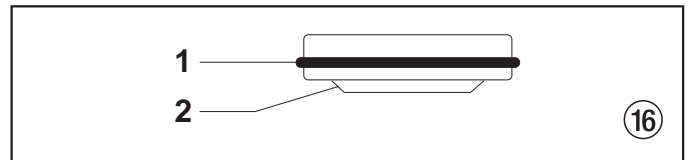
11. Unscrew outlet valve housing (Fig. 14, Item 8) from the piston (9) with adjusting wrench.
12. Remove the upper ball cage (11), crush washer (10), outlet valve ball (12), and outlet valve seat (13).
13. Clean all the parts with the corresponding cleaning agent. Check outlet valve housing (8), outlet valve seat (13), outlet valve ball (12), crush washer (10), and upper ball cage (11) for wear and replace parts if necessary. If the worn outlet valve seat (13) is unused on one side, install it the other way round.
14. Carry out installation in the reverse order. Lubricate O-ring (Fig. 13, Item 6) with machine grease and ensure proper seating in the inlet valve housing (Fig. 13, Item 1).



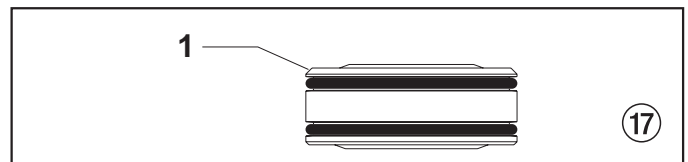
### 11.3 Packings

1. Remove inlet valve housing in accordance with the steps in Chapter 11.2, Page 16.
2. It is not necessary to remove the outlet valve.
3. Unscrew both cylinder head screws (Fig. 15, Item 1) from the pump manifold (2) with a 3/8 inch hexagon socket head wrench.
4. Slide the pump manifold (2) and piston (3) forward until the piston is out of the T-slot (9) on the slider assembly (4).
5. Push piston (3) downward out of the pump manifold (2).
6. Unscrew retainer nut (5) from the pump manifold (2) and remove piston guide (6).
7. Remove upper packing (7) and lower packing (8) from the pump manifold (2).

8. Clean pump manifold (2).
9. Lubricate upper packing (7) and lower packing (8) with machine grease.
10. Insert upper packing (Fig. 16) with O-ring (1) and protruding lip (2) downward.



11. Insert lower packing (Fig. 17) with the beveled edge (1) facing upward.



12. Insert piston guide (Fig. 15, Item 6) into the retainer nut (5). Screw retainer nut (5) into the pump manifold (2) and tighten by hand.
13. Push installation tool (included with the replacement packings) for the piston (3) from above onto the piston.
14. Lubricate installation tool and piston (3) with machine grease.
15. Guide piston (3) through the lower packings (8) into the pump manifold (2) from below. Using a rubber mallet, lightly tap the piston (3) from below until it can be seen above the pump manifold.
16. Remove installation tool from piston (3).

Repairs at the unit

17. Carefully tighten retainer nut (5) with adjusting wrench
18. Slide the top of the piston (3) into the T-slot (9) on the slider assembly (4).
19. Position the pump manifold (2) underneath the gear unit housing and push up until it rests against the gear unit housing.
20. Attach pump manifold (2) to the gear unit housing.
21. Screw pump manifold (2) tightly to gear unit housing.
22. Lubricate O-ring (Fig. 13, Item 6) between pump manifold (2) and inlet valve housing with machine grease. Screw inlet valve housing to the pump manifold.

23. **Unit on high-rider cart:**

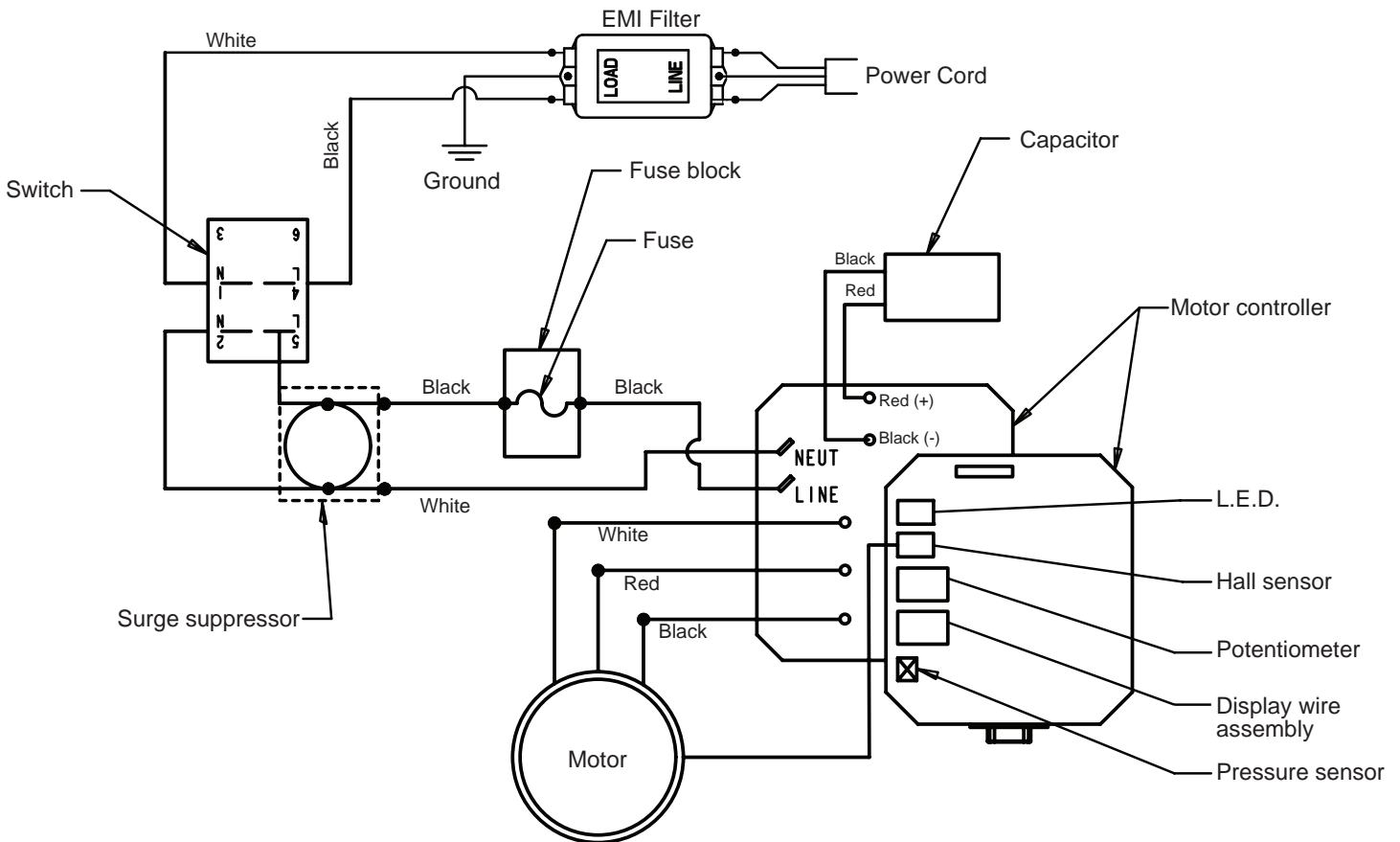
Thread the siphon tube into the inlet valve and tighten securely. Make sure to wrap the threads on the down tube with PTFE tape before assembly. Replace the return hose into the hose clip on the siphon tube.

**Unit on stand / low boy cart:**

Insert the elbow on the siphon assembly into the bottom of the pusher stem housing. Push the retaining clip up into the groove inside the foot valve housing to secure the siphon assembly in position. Place the return tube over the return tube fitting and secure with the clip.

24. Install front cover.

11.4 ProSpray 3.25 connection diagram



## 12. Appendix

### 12.1 Selection of tip

To achieve faultless and rational working, the selection of the tip is of the greatest importance. In many cases the correct tip can only be determined by means of a spraying test.

**Some rules for this:**

The spray jet must be even.

If streaks appear in the spray jet the spraying pressure is either too low or the viscosity of the coating material too high.

**Remedy:** Increase pressure or dilute coating material. Each pump conveys a certain quantity in proportion to the size of the tip:

The following principle is valid:

|             |               |
|-------------|---------------|
| large tip = | low pressure  |
| small tip = | high pressure |

There is a large range of tips with various spraying angles.

### 12.2 Servicing and cleaning of Airless hard-metal tips

**Standard tips**

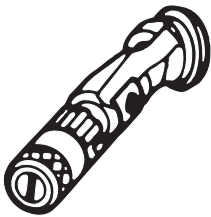
If a different tip type has been fitted, then clean it according to manufacturer's instructions.

The tip has a bore processed with the greatest precision. Careful handling is necessary to achieve long durability. Do not forget the fact that the hard-metal insert is brittle! Never throw the tip or handle with sharp metal objects.

**The following points must be observed to keep the tip clean and ready for use:**

1. Turn the relief valve handle fully counterclockwise (↺ Circulation).
2. Switch off the gasoline engine.
3. Dismount the tip from the spray gun.
4. Place tip in an appropriate cleaning agent until all coating material residue is dissolved.
5. If there is pressure air, blow out tip.
6. Remove any residue by means of a sharp wooden rod (toothpick).
7. Check the tip with the help of a magnifying glass and, if necessary, repeat points 4 to 6.

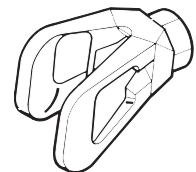
### 12.3 Spray gun accessories



**Flat jet adjusting tip**  
up to 250 bar (25 MPa)

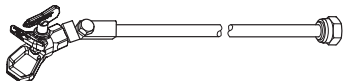
| Tip marking | Bore mm     | Spray width at about 30 cm removal of spray object Pressure 100 bar (10 MPa) | Use                                  | Flat jet adjusting tip Order No. |
|-------------|-------------|--|--------------------------------------|----------------------------------|
| 15          | 0.13 - 0.46 | 5 - 35 cm  | Paints                               | <b>0999 057</b>                  |
| 20          | 0.18 - 0.48 | 5 - 50 cm  | Paints, fillers                      | <b>0999 053</b>                  |
| 28          | 0.28 - 0.66 | 8 - 55 cm  | Paints, dispersions                  | <b>0999 054</b>                  |
| 41          | 0.43 - 0.88 | 10 - 60 cm   | Rust protection paints - dispersions | <b>0999 055</b>                  |
| 49          | 0.53 - 1.37 | 10 - 40 cm   | Large-area coats                     | <b>0999 056</b>                  |

**Contact protection**  
for the flat jet adjustment tip



Order No. **0097 294**

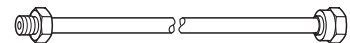
**Tip extension with slewable knee joint (without tip)**



|               |                           |
|---------------|---------------------------|
| Length 100 cm | Order no. <b>0096 015</b> |
| Length 200 cm | Order no. <b>0096 016</b> |
| Length 300 cm | Order no. <b>0096 017</b> |

**Tip extension**

|  |
|--|
| 15 cm, F-thread, Order no. <b>0556 051</b> |
| 30 cm, F-thread, Order no. <b>0556 052</b> |
| 45 cm, F-thread, Order no. <b>0556 053</b> |
| 60 cm, F-thread, Order no. <b>0556 054</b> |



|  |
|--|
| 15 cm, G-thread, Order no. <b>0556 074</b> |
| 30 cm, G-thread, Order no. <b>0556 075</b> |
| 45 cm, G-thread, Order no. <b>0556 076</b> |
| 60 cm, G-thread, Order no. <b>0556 077</b> |

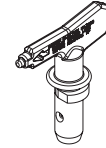
12.4 Airless tip table

**WAGNER**  
Trade Tip 2  
up to 270 bar  
(27 MPa)



without tip  
F thread (11/16 - 16 UN)  
for Wagner spray guns  
Order no. **0556 042**

without tip  
G thread (7/8 - 14 UN)  
for Graco/Titan spray guns  
Order no. **0556 041**



| Application  | Tip marking               | Spray angle              | Bore inch / mm | Spraying width mm <sup>1)</sup> | Order no.    |          |          |
|--|---------------------------|--------------------------|----------------|---------------------------------|--------------|----------|----------|
| Natural paints<br>Clear paints<br>Oils                               | Spray gun filter "RED"    | 407                      | 40°            | 0.007 / 0.18                    | 160          | 0552 407 |          |
|  |                           | 507                      | 50°            | 0.007 / 0.18                    | 190          | 0552 507 |          |
|  |                           | 209                      | 20°            | 0.009 / 0.23                    | 145          | 0552 209 |          |
|  |                           | 309                      | 30°            | 0.009 / 0.23                    | 160          | 0552 309 |          |
|  |                           | 409                      | 40°            | 0.009 / 0.23                    | 190          | 0552 409 |          |
|  |                           | 509                      | 50°            | 0.009 / 0.23                    | 205          | 0552 509 |          |
|  |                           | 609                      | 60°            | 0.009 / 0.23                    | 220          | 0552 609 |          |
| Synthetic-resin paints<br>PVC paints                                 | Spray gun filter "RED"    | 111                      | 10°            | 0.011 / 0.28                    | 85           | 0552 111 |          |
|  |                           | 211                      | 20°            | 0.011 / 0.28                    | 95           | 0552 211 |          |
|  |                           | 311                      | 30°            | 0.011 / 0.28                    | 125          | 0552 311 |          |
|  |                           | 411                      | 40°            | 0.011 / 0.28                    | 195          | 0552 411 |          |
|  |                           | 511                      | 50°            | 0.011 / 0.28                    | 215          | 0552 511 |          |
|  |                           | 611                      | 60°            | 0.011 / 0.28                    | 265          | 0552 611 |          |
| Paints, primers<br>Zinc chromate base<br>Fillers                     | Spray gun filter "RED"    | 113                      | 10°            | 0.013 / 0.33                    | 100          | 0552 113 |          |
|  |                           | 213                      | 20°            | 0.013 / 0.33                    | 110          | 0552 213 |          |
|  |                           | 313                      | 30°            | 0.013 / 0.33                    | 135          | 0552 313 |          |
|  |                           | 413                      | 40°            | 0.013 / 0.33                    | 200          | 0552 413 |          |
|  |                           | 513                      | 50°            | 0.013 / 0.33                    | 245          | 0552 513 |          |
|  |                           | 613                      | 60°            | 0.013 / 0.33                    | 275          | 0552 613 |          |
| Fillers<br>Spray plasters<br>Rust protection paints                  | Spray gun filter "YELLOW" | 813                      | 80°            | 0.013 / 0.33                    | 305          | 0552 813 |          |
|  |                           | 115                      | 10°            | 0.015 / 0.38                    | 90           | 0552 115 |          |
|  |                           | 215                      | 20°            | 0.015 / 0.38                    | 100          | 0552 215 |          |
|  |                           | 315                      | 30°            | 0.015 / 0.38                    | 160          | 0552 315 |          |
|  |                           | 415                      | 40°            | 0.015 / 0.38                    | 200          | 0552 415 |          |
|  |                           | 515                      | 50°            | 0.015 / 0.38                    | 245          | 0552 515 |          |
| Spray plasters<br>Rust protection paints<br>Red lead<br>Latex paints | Spray gun filter "YELLOW" | 615                      | 60°            | 0.015 / 0.38                    | 265          | 0552 615 |          |
|  |                           | 715                      | 70°            | 0.015 / 0.38                    | 290          | 0552 715 |          |
|  |                           | 815                      | 80°            | 0.015 / 0.38                    | 325          | 0552 815 |          |
|  |                           | 217                      | 20°            | 0.017 / 0.43                    | 110          | 0552 217 |          |
|  |                           | 317                      | 30°            | 0.017 / 0.43                    | 150          | 0552 317 |          |
|  |                           | 417                      | 40°            | 0.017 / 0.43                    | 180          | 0552 417 |          |
| Mica paints<br>Zinc dust paints<br>Dispersions                       | Spray gun filter "WHITE"  | 517                      | 50°            | 0.017 / 0.43                    | 225          | 0552 517 |          |
|  |                           | 617                      | 60°            | 0.017 / 0.43                    | 280          | 0552 617 |          |
|  |                           | 717                      | 70°            | 0.017 / 0.43                    | 325          | 0552 717 |          |
|  |                           | 219                      | 20°            | 0.019 / 0.48                    | 145          | 0552 219 |          |
|  |                           | 319                      | 30°            | 0.019 / 0.48                    | 160          | 0552 319 |          |
|  |                           | 419                      | 40°            | 0.019 / 0.48                    | 185          | 0552 419 |          |
| Rust protection paints   | Spray gun filter "WHITE"  | 519                      | 50°            | 0.019 / 0.48                    | 260          | 0552 519 |          |
|  |                           | 619                      | 60°            | 0.019 / 0.48                    | 295          | 0552 619 |          |
|  |                           | 719                      | 70°            | 0.019 / 0.48                    | 320          | 0552 719 |          |
|  |                           | 819                      | 80°            | 0.019 / 0.48                    | 400          | 0552 819 |          |
|  |                           | 221                      | 20°            | 0.021 / 0.53                    | 145          | 0552 221 |          |
|  |                           | 421                      | 40°            | 0.021 / 0.53                    | 190          | 0552 421 |          |
| Dispersion<br>Binder, glue<br>and filler paints                      | Spray gun filter "WHITE"  | 521                      | 50°            | 0.021 / 0.53                    | 245          | 0552 521 |          |
|  |                           | 621                      | 60°            | 0.021 / 0.53                    | 290          | 0552 621 |          |
|  |                           | 821                      | 80°            | 0.021 / 0.53                    | 375          | 0552 821 |          |
|  |                           | 223                      | 20°            | 0.023 / 0.58                    | 155          | 0552 223 |          |
|  |                           | 423                      | 40°            | 0.023 / 0.58                    | 180          | 0552 423 |          |
|  |                           | 523                      | 50°            | 0.023 / 0.58                    | 245          | 0552 523 |          |
| Large-area coatings  | Spray gun filter "GREEN"  | 623                      | 60°            | 0.023 / 0.58                    | 275          | 0552 623 |          |
|  |                           | 723                      | 70°            | 0.023 / 0.58                    | 325          | 0552 723 |          |
|  |                           | 823                      | 80°            | 0.023 / 0.58                    | 345          | 0552 823 |          |
|  |                           | 225                      | 20°            | 0.025 / 0.64                    | 130          | 0552 225 |          |
|  |                           | 425                      | 40°            | 0.025 / 0.64                    | 190          | 0552 425 |          |
|  |                           | 525                      | 50°            | 0.025 / 0.64                    | 230          | 0552 525 |          |
|  | Large-area coatings       | Spray gun filter "GREEN" | 625            | 60°                             | 0.025 / 0.64 | 250      | 0552 625 |
|  |                           |                          | 825            | 80°                             | 0.025 / 0.64 | 295      | 0552 825 |
|  |                           |                          | 227            | 20°                             | 0.027 / 0.69 | 160      | 0552 227 |
|  |                           |                          | 427            | 40°                             | 0.027 / 0.69 | 180      | 0552 427 |
|  |                           |                          | 527            | 50°                             | 0.027 / 0.69 | 200      | 0552 527 |
|  |                           |                          | 627            | 60°                             | 0.027 / 0.69 | 265      | 0552 627 |
|  |                           |                          | 827            | 80°                             | 0.027 / 0.69 | 340      | 0552 827 |
|  |                           |                          | 629            | 60°                             | 0.029 / 0.75 | 285      | 0552 629 |
| Large-area coatings  | Spray gun filter "GREEN"  | 231                      | 20°            | 0.031 / 0.79                    | 155          | 0552 231 |          |
|  |                           | 431                      | 40°            | 0.031 / 0.79                    | 185          | 0552 431 |          |
|  |                           | 531                      | 50°            | 0.031 / 0.79                    | 220          | 0552 531 |          |
|  |                           | 631                      | 60°            | 0.031 / 0.79                    | 270          | 0552 631 |          |
|  |                           | 433                      | 40°            | 0.033 / 0.83                    | 220          | 0552 433 |          |
|  |                           | 235                      | 20°            | 0.035 / 0.90                    | 160          | 0552 235 |          |
|  |                           | 435                      | 40°            | 0.035 / 0.90                    | 195          | 0552 435 |          |
|  |                           | 535                      | 50°            | 0.035 / 0.90                    | 235          | 0552 535 |          |
| Large-area coatings  | Spray gun filter "GREEN"  | 635                      | 60°            | 0.035 / 0.90                    | 295          | 0552 635 |          |
|  |                           | 839                      | 80°            | 0.039 / 0.99                    | 480          | 0552 839 |          |
|  |                           | 243                      | 20°            | 0.043 / 1.10                    | 185          | 0552 243 |          |
| Large-area coatings  | Spray gun filter "GREEN"  | 543                      | 50°            | 0.043 / 1.10                    | 340          | 0552 543 |          |
|  |                           | 552                      | 50°            | 0.052 / 1.30                    | 350          | 0552 552 |          |

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



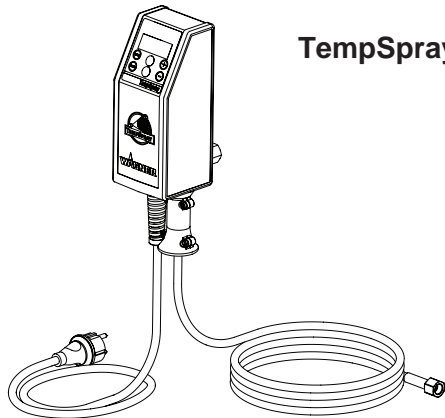
## 12.5 TempSpray

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

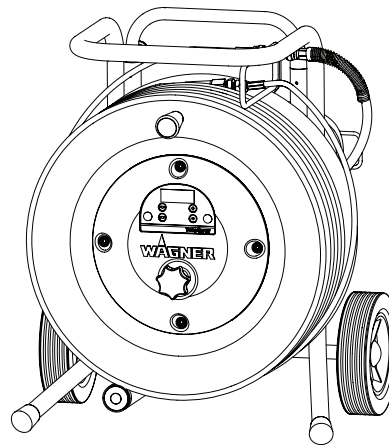
**Advantages:**

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

| Order No.          | Description  |
|--------------------|--|
| 2311659<br>2311852 | <b>TempSpray H 126 (ideal for lacquer jobs)</b><br>Basic unit 1/4" incl. stainless steel hose, DN6, 1/4", 10m<br>Spraypack consisting of: basic unit (2311659), Airless gun AG 14 NPS 1/4", incl. Trade Tip 2 nozzler holder (F-thread) and Trade Tip 2 Fine Finish 410  |
| 2311660<br>2311853 | <b>TempSpray H 226 (ideal for dispersions/materials with high viscosity)</b><br>Basic unit 1/4" incl. Hose reel, heated hose DN10, 15m, hose 1/4" DN4, 1m<br>Spraypack consisting of: Basic unit (2311660), Airless gun AG 14 NPS 1/4", incl. Trade Tip 2 nozzler holder (F-thread) and Trade Tip 2 nozzle 419 |
| 2311661<br>2311854 | <b>TempSpray H 326 (ideal for dispersions/materials with high viscosity)</b><br>Basic unit 1/4" incl. Hose reel, heated hose DN10, 30m, hose 1/4" DN4, 1m<br>Spraypack consisting of: Basic unit (2311661), Airless gun AG 14 NPS 1/4", incl. Trade Tip 2 nozzler holder (F-thread) and Trade Tip 2 nozzle 421 |



TempSpray H 126



TempSpray H 226  
TempSpray H 326

## 12.6 Pump-Runner

(Order No. 2306987)

Universal accessories for cleaning, clean transportation and preservation of the pump unit.

**Features:**

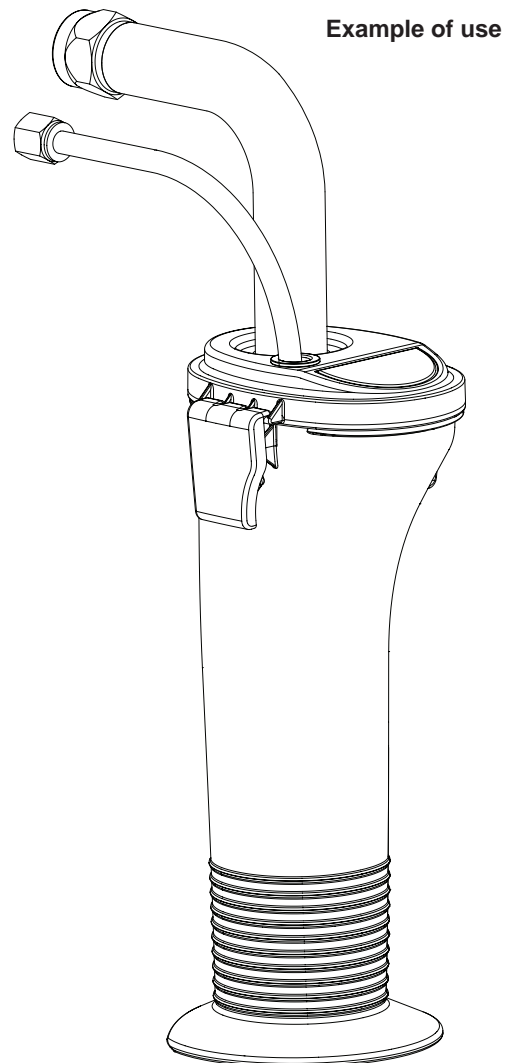
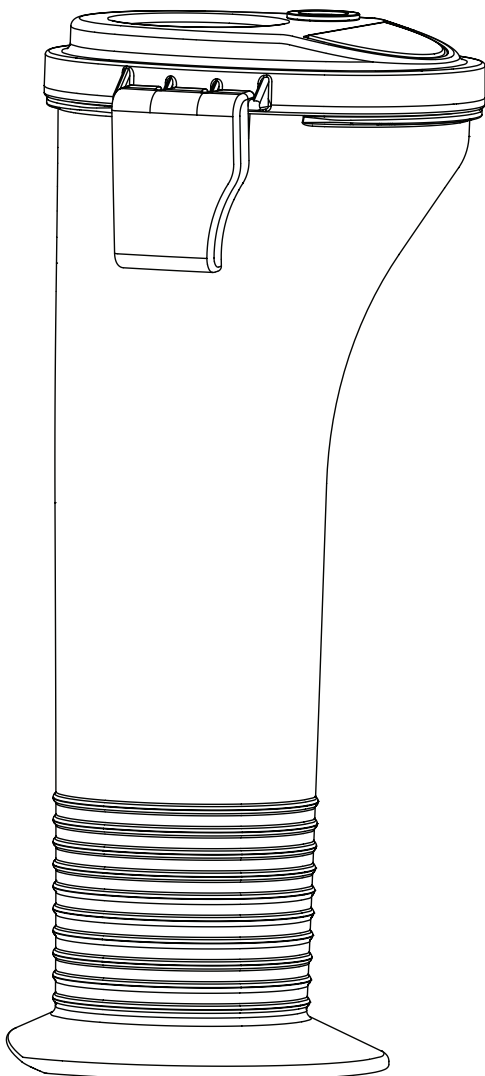
- Simpler cleaning – the cleaning liquid circulates constantly through the pump making thorough cleaning of the interior
- No cleaning necessary during work stoppage or change of location because the paint in the pump cannot dry out or leak
- Better protection
- Simple assembly

**Suitable for the following models:**

| Diaphragm Pumps |                | Double-stroke piston pumps |         |
|-----------------|----------------|----------------------------|---------|
| SF 21           | Finish 270/370 | PS 24                      | PS 3.25 |
| SF 23           | Nespray Deco   | PS 26                      | PS 3.29 |
| SF 27           | Nespray 31     | PS 30                      | PS 3.31 |
| SF 31           |                | PS 34                      | PS 3.34 |
| SF 7000         |                |                            |         |



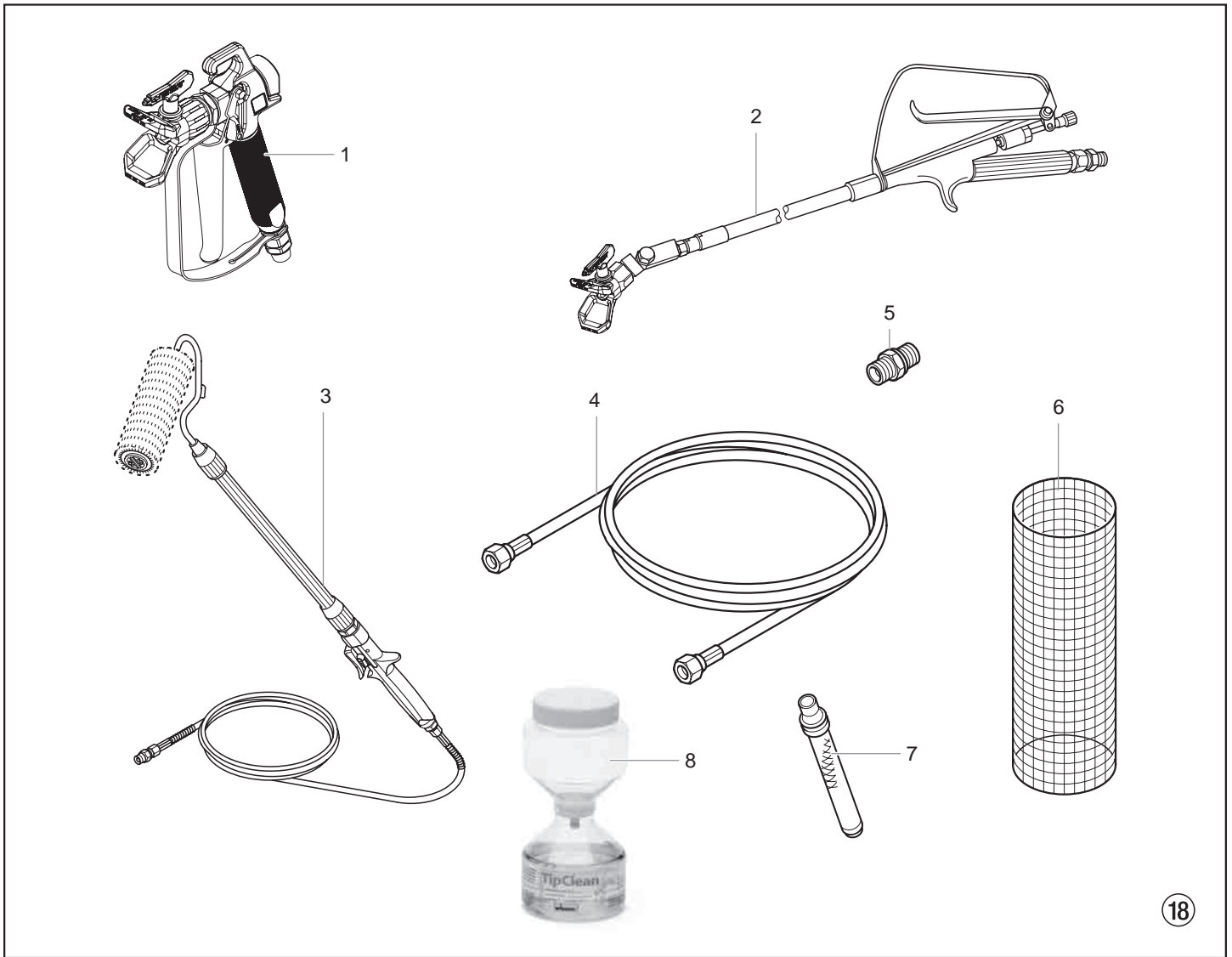
Order this at the same time: EasyClean, cleaning and preservation agent (118ml) Order no. 0508 620.



|               |  |
|---------------|--|
| Deutschland   | J. Wagner GmbH • Otto-Lilienthal-Straße 18 • 88677 Markdorf<br>☎ Tel. 0043/07544/5050 • Fax: 0043/07544/505/200 • info@wagner-group.com  |
| Österreich    | J. Wagner Ges.m.b.H • Ottogasse 2/20 • 2333 Leopoldsdorf<br>☎ Tel. 0043/2235/44 158 • Fax: 0043/2235/44 163 • office@wagner-group.at   |
| Schweiz       | J. Wagner AG • Industriestrasse 22 • 9450 Altstätten<br>☎ Tel. 0041/71/7572211 • Fax: 0041/71/7572222 • wagner@wagner-group.ch   |
| Japan         | Wagner Spraytech Japan/Ltd. • 2-35, Shinden-Nishimachi • Osaka/Japan<br>☎ Tel. 728/743562 • Fax: 728/744684  |
| China         | Wagner Spraytech Shanghai Co LTD • 4th Floor, No. 395 • Jianchang Xi Road<br>Shibei Industrial Zone • Shanghai, 200436 China<br>☎ Tel. 0086/2166521858 • Fax: 0086/2166529819 • wagner-sh@public8.sta.net.cn |
| France        | J. Wagner France S.A.R.L. • Parc de Gutenberg - Bâtiment F • 8 voie la Cardon •<br>91127 Palaiseau Cedex<br>☎ Tel. +33/1/825 011 111 • Fax: +33/1/698 172 57 • division.batiment@wagner-france.fr            |
| Italia        | Wagner Colora S.R.L. • Via Fermi, 3 • 20040 Burago Molgora • Milano<br>☎ Tel. 0039/039/625021 • Fax: 0039/039/6851800 • info@wagnercolora.com  |
| Belgie        | Wagner Spraytech • Belgium SA • Veilinglaan 58 • 1861 Meise-Wolvertem<br>☎ Tel. 0032/2/2694675 • Fax: 0032/2/2697845 • info@wagner-group.be  |
| Nederland     | Wagner Spraytech Benelux B.V. • Zonnebaan 10 • 3542 EC Utrecht<br>☎ Tel. 0031/30/2414155 • Fax: 0031/30/2411787 • info@wagner-group.nl   |
| USA           | Wagner Spraytech Corp. • P.O. Box 279 • Minneapolis, MN 55440 USA<br>☎ Tel. 001/763/553-7000 • Fax: 001/763/553-7288 • info@wagnersystemsinc.com   |
| Australia     | Wagner Spraytech Australia Pty. Ltd. • POB 286 • Braeside, Vic., 3195 Australia<br>☎ Tel. 03/95872000 • Fax: 03/95809120 • wagner@wagnerspraytech.cm.au  |
| Great Britain | Wagner Spraytech (UK) Ltd. • The Coach House • 2 Main Road •<br>Middleton Cheney • OX17 2ND • Great Britain<br>☎ 0844/335/0517 • Fax: 0044/1295/269861 • enquiry@wagnerspraytech.co.uk                       |
| España        | Wagner Spraytech Ibérica S.A. • P.O. Box 132, Crta. N-340 • KM 1.245,4 •<br>08750 Molins de Rey - Barcelona Spain<br>☎ Tel. 0034/93/6800028 • Fax: 0034/93/6800555 • info@wagnerspain.com                    |
| Danmark       | Wagner Spraytech Scandinavia A/S • Helgeshøj Allé 28 • DK2605 Taastrup • Denmark<br>☎ Tel. 0045/43/271818 • Fax: 0045/43/430528 • wagner@wagner-group.dk   |
| Sverige       | Wagner Spraytech Scandinavia A/S • Helgeshøj Allé 28 • DK2605 Taastrup • Denmark<br>☎ Tel. 0046/42/150020 • Fax: 0046/42/150020 • mailbox@wagner.se  |

# Accessories illustration

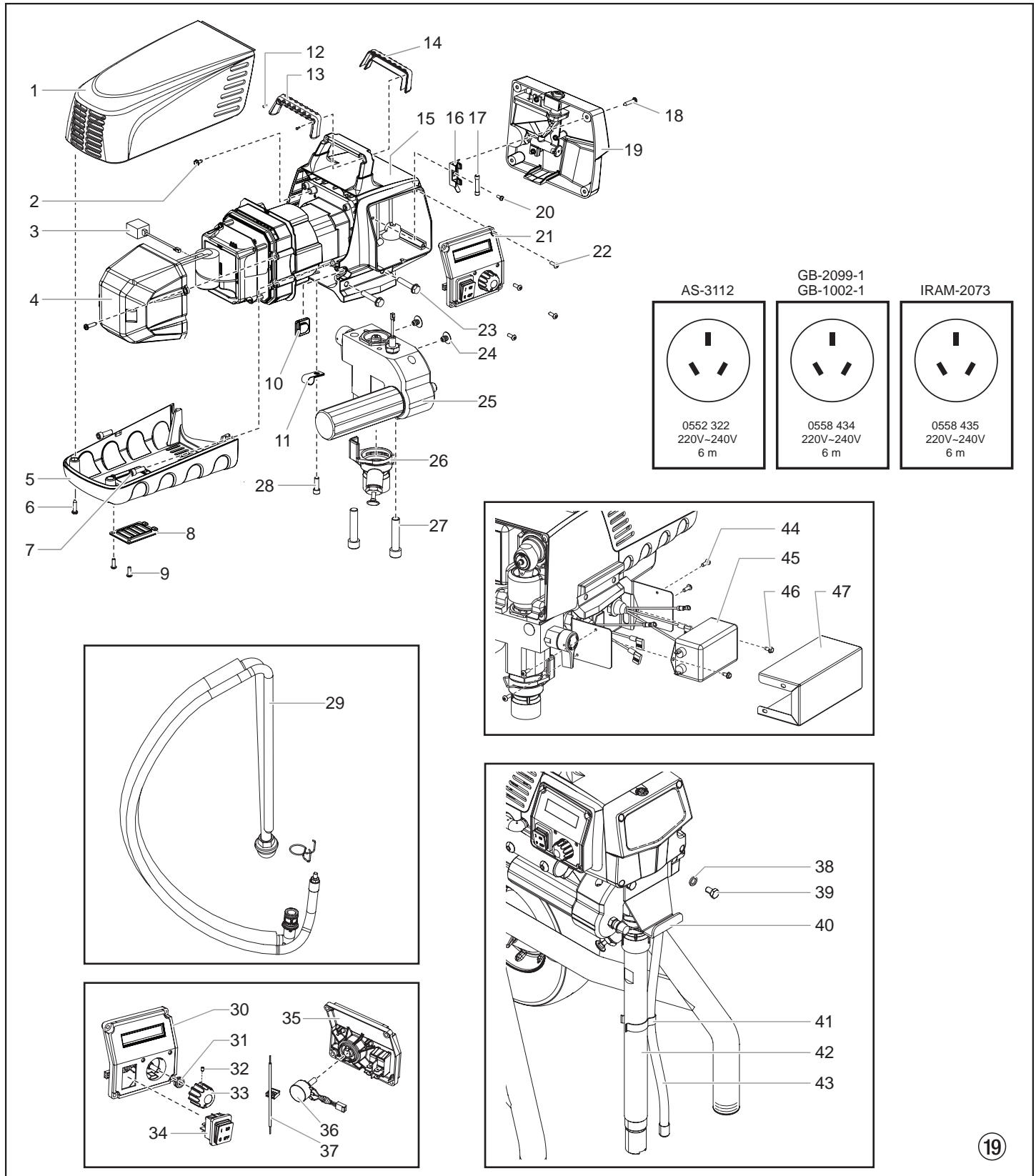
## ProSpray 3.25



| Item     | Part No. | Description  |
|----------|----------|--|
| 1        | 0296 388 | Spray gun AG 08, F-thread  |
|          | 0296 386 | Spray gun AG 08, G-thread  |
|          | 0502 166 | Spray gun AG 14, F-thread  |
|          | 0502 119 | Spray gun AG 14, G-thread  |
| 2        | 0296 441 | Pole gun 120 cm, G-thread 7/8"   |
|          | 0296 443 | Pole gun 120 cm, F-thread 11/16"   |
|          | 0296 442 | Pole gun 200 cm, G-thread 7/8"   |
|          | 0296 444 | Pole gun 200 cm, F-thread 11/16"   |
| 3        | 0345 010 | In-line roller IR-100  |
| 4        | 9984 573 | High-pressure hose DN 4 mm, 7.5 m with stainless steel nipple, 1/4"                                    |
|          | 9984 574 | High-pressure hose DN 6 mm, 15 m for dispersion, 1/4"  |
|          | 9984 575 | High-pressure hose DN 6 mm, 30 m for dispersion, 1/4"  |
| 5        | 0034 038 | Double socket for coupling high-pressure hoses (1/4" x 1/4")   |
| 6        | 0034 950 | Metex-Reuse<br>Reuse for pre-filtering of coating material in vessel. Place suction pipe in the reuse. |
|          | 0034 952 | Sieve package (5 pcs) for paint  |
|          | 0034 951 | Sieve package (5 pcs) for dispersion   |
| 7        | 0034 383 | Gun filter, red, 1 piece; 180 mesh extra fine  |
|          | 0097 022 | Gun filter, red, 10 pieces; 180 mesh extra fine  |
|          | 0043 235 | Gun filter, yellow, 1 piece; 100 mesh fine   |
|          | 0097 023 | Gun filter, yellow, 10 pieces; 100 mesh fine   |
|          | 0034 377 | Gun filter, white, 1 piece; 50 mesh medium   |
|          | 0097 024 | Gun filter, white, 10 pieces; 50 mesh medium   |
|          | 0089 323 | Gun filter, green, 1 piece; 30 mesh coarse   |
|          | 0097 025 | Gun filter, green, 10 pieces; 30 mesh coarse   |
|          | 8        | 0097 108   |
| 0508 619 |          | EasyGlide, special oil (118ml)   |
| 0508 620 |          | EasyClean, cleaning and conservation agent (118 ml)  |

# Spare parts list

## ProSpray 3.25 Main Assembly





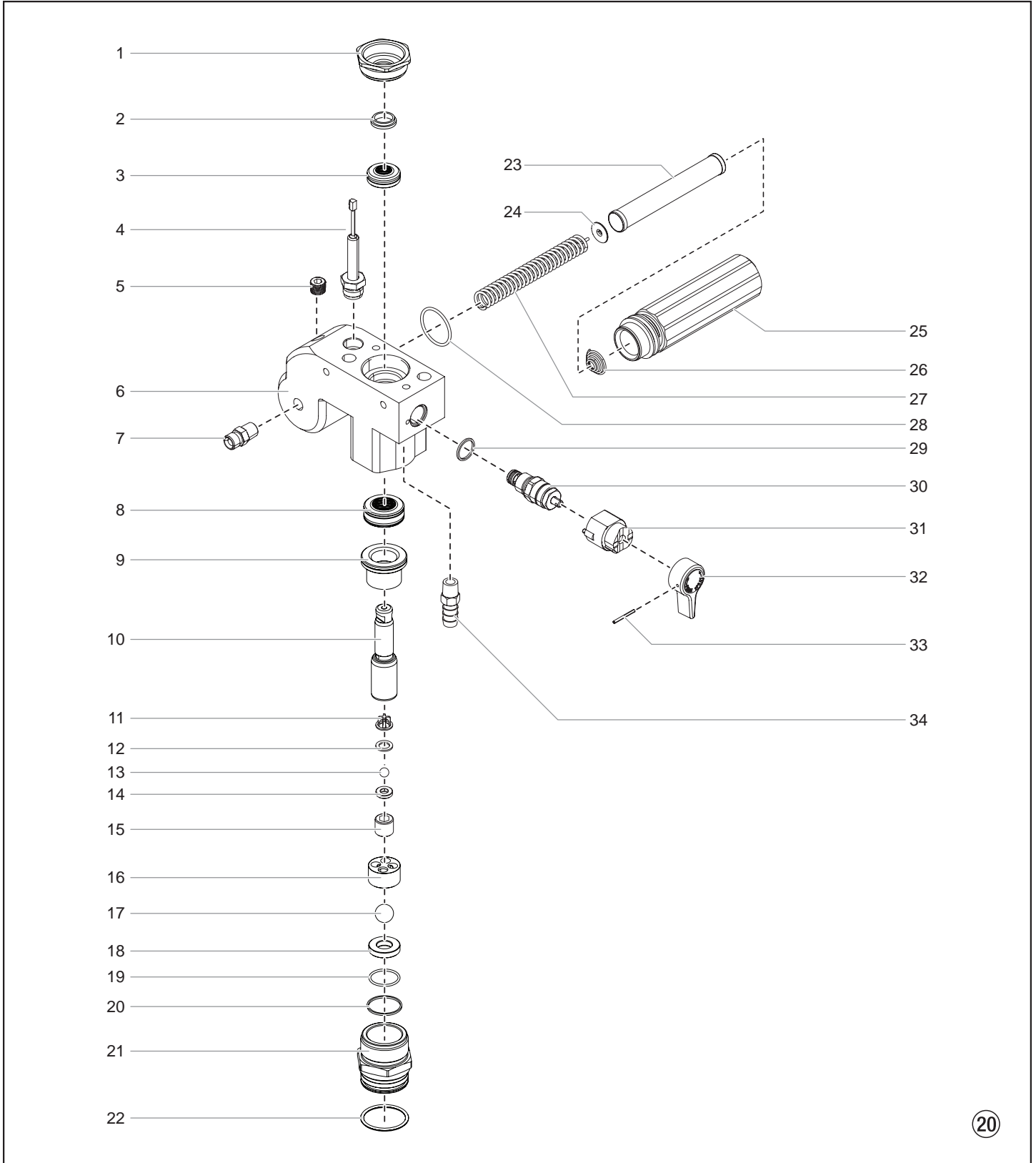
| Item | Part No.  | Description   |
|------|-----------|---|
| 1    | 0290 230  | Motor shroud  |
| 2    | 9800 340  | Ground screw  |
| 3    | 0551 757  | Transducer jumper                                       |
| 4    | 0290 225  | Electronic cover  |
| 5    | 0290 229  | Belly pan   |
| 6    | 9802 266  | Screw (2)   |
| 7    | 0508 559  | Screw (2)   |
| 8    | 0290 228  | Door  |
| 9    | 0509 218  | Screw (2)   |
| 10   | 0558 460  | Plug*   |
| 11   | -----     | Strap*  |
| 12   | 9805 317  | Screw (2)   |
| 13   | 0290 212  | Handle cover, back                                      |
| 14   | 0290 213  | Handle cover, front                                     |
| 15   | -----     | Drive assembly  |
| 16   | 0522 210  | Mounting plate  |
| 17   | 9852 344  | Fuse, 8A  |
| 18   | 0509 218  | Screw (4)   |
| 19   | 0290 278  | Face plate / oiler assembly                             |
| 20   | 9804 916  | Screw   |
| 21   | 0558 307A | Control panel assembly, complete (includes items 30-37) |
| 22   | 0509 218  | Screw (4)   |
| 23   | 9805 348  | Screw (4)   |
| 24   | 0509 636  | Plug (2)  |
| 25   | 0558 298A | Fluid section assembly                                  |
| 26   | 0290 205  | Pusher assembly, stand and low boy cart models          |
|      | 0290 206  | Pusher assembly, upright cart models                    |
| 27   | 0508 553  | Screw (2)   |
| 28   | 0508 559  | Screw   |
| 29   | 0551 705  | Siphon assembly, stand and low boy cart models          |
| 30   | 0290 227  | Control panel cover with label                          |
| 31   | 0507 749  | Nut with seal   |
| 32   | 0290 202  | Set screw   |
| 33   | 0290 218  | Knob  |
| 34   | 9850 936  | Switch  |
| 35   | 0290 220  | Digital Electronic Spray Control (DESC) display         |
| 36   | 0508 579  | Potentiometer   |
| 37   | 0522 007  | LED assembly  |
| 38   | 0508 549  | Washer (2)  |
| 39   | 0508 550  | Screw (2)   |
| 40   | 0508 551  | Pail hook   |
| 41   | 0507 783  | Clip  |
| 42   | 0290 224  | Suction tube  |
| 43   | 0508 293  | Return tube   |
| 44   | 0509 218  | Screw (4)*  |
| 45   | 0522 424  | EMI filter, 20A*  |
| 46   | 9800 340  | Ground screw (2)*                                       |
| 47   | 0558 452  | Bracket cover*  |

\* Australia only

# Spare parts list

## ProSpray 3.25

### Fluid section

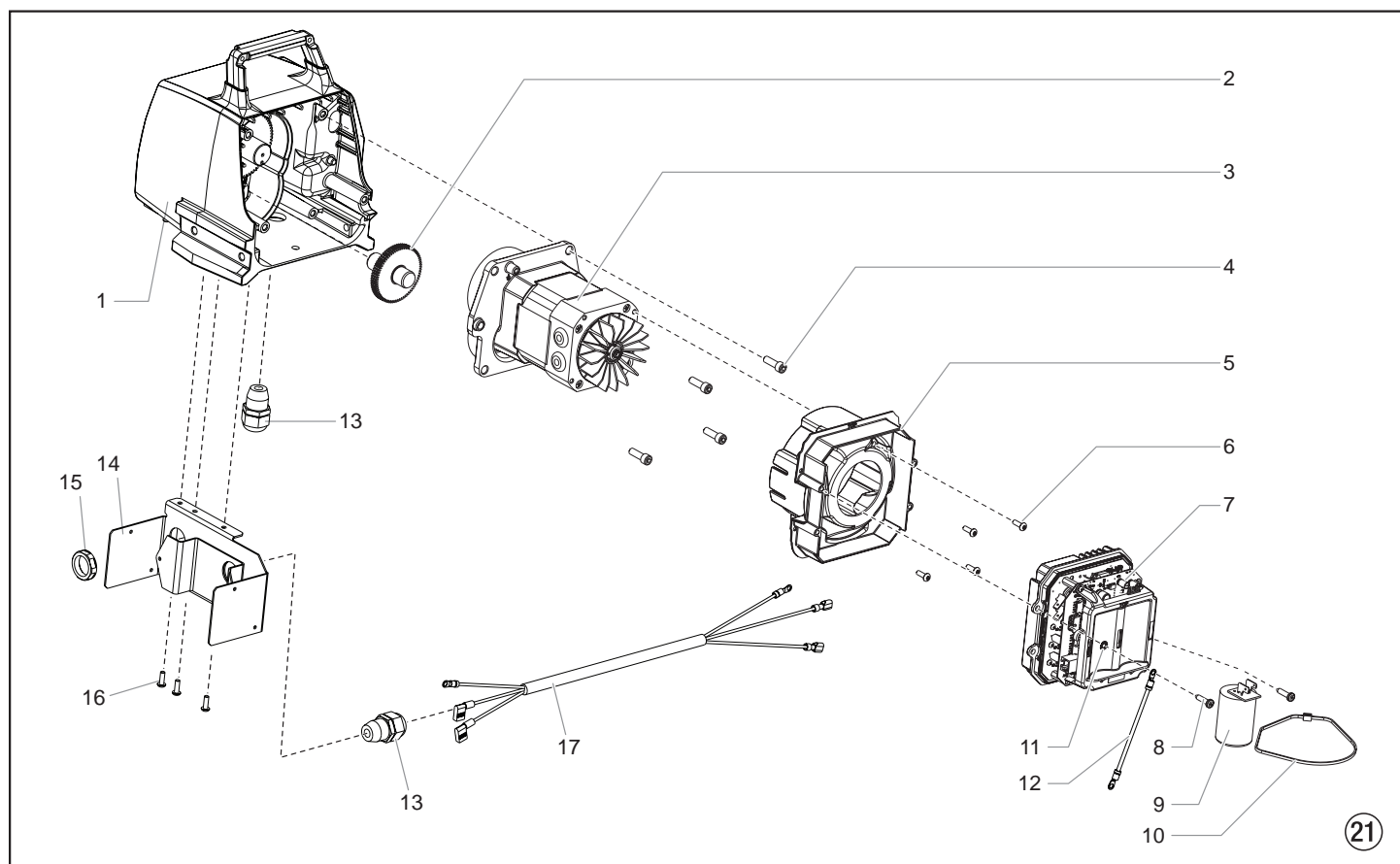


| Item | Part No. | Description  |
|------|----------|--|
| 1    | 0509 594 | Retainer   |
| 2    | 0509 584 | Piston guide   |
| 3    | -----    | Upper packing  |
| 4    | 0551 756 | Transducer assembly                                      |
| 5    | 0507 517 | Pipe plug  |
| 6    | 0290 209 | Pump manifold  |
| 7    | 0509 873 | Fitting  |
| 8    | -----    | Lower packing  |
| 9    | 0552 489 | Bushing  |
| 10   | 0290 277 | Piston rod   |
| 11   | 0551 262 | Upper cage   |
| 12   | 0551 263 | Crush washer   |
| 13   | 50164    | Outlet valve ball  |
| 14   | 0551 620 | Outlet valve seat  |
| 15   | 13481    | Outlet valve retainer                                    |
| 16   | 0509 591 | Lower ball guide   |
| 17   | 0509 583 | Inlet valve ball   |
| 18   | 0551 534 | Inlet valve seat   |
| 19   | 0509 582 | O-ring, PTFE   |
| 20   | 0509 581 | Inlet valve seal   |
| 21   | 0290 216 | Inlet valve housing                                      |
| 22   | 9871 160 | O-ring   |
| 23   | 0508 748 | Filter   |
| 24   | 0508 603 | Bearing ring   |
| 25   | 0508 601 | Filter housing   |
| 26   | 0508 602 | Conical spring   |
| 27   | 0508 749 | Bearing spring   |
| 28   | 0508 604 | O-ring   |
| 29   | 0507 745 | Gasket   |
| 30   | 0507 690 | Bypass valve assembly                                    |
| 31   | 0507 931 | Cam base   |
| 32   | 0508 744 | Relief valve knob  |
| 33   | 5006 543 | Groove pin   |
| 34   | 9885 612 | Return tube fitting                                      |
|      | 0509 151 | Piston assembly (includes items 10-15)                   |
|      | 0290 201 | Repacking kit (includes items 2-3, 8, 11-14, and 16-20). |
|      | 47266    | Relief valve kit (includes items 29-33).                 |

# Spare parts list

## ProSpray 3.25

### Drive Assembly



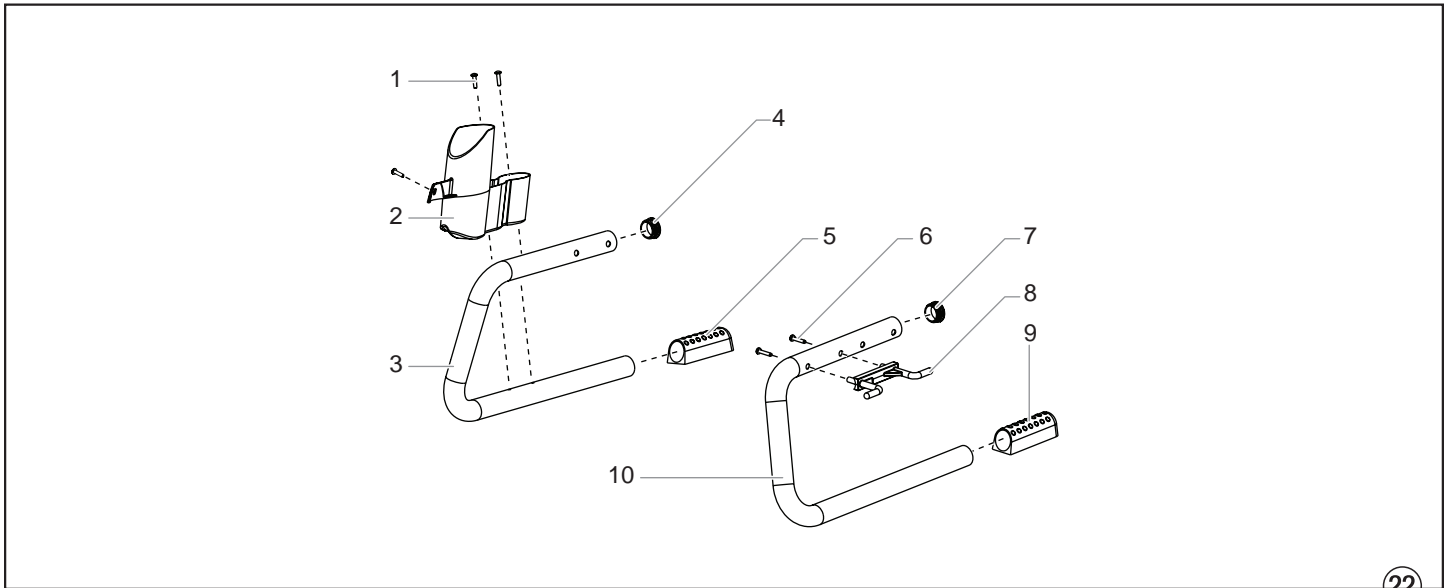
| Item | Part No.  | Description                 |
|------|-----------|-----------------------------|
| 1    | 0524 637A | Housing assembly            |
| 2    | 0509 121  | 2nd stage gear              |
| 3    | 0558 300A | Motor assembly              |
| 4    | 0508 559  | Screw (4)                   |
| 5    | 0290 226  | Baffle assembly             |
| 6    | 0509 218  | Screw (2)                   |
| 7    | 0558 534  | Electronic control assembly |
| 8    | 9802 266  | Screw                       |
| 9    | 0522 036  | Capacitor assembly          |
| 10   | 0551 543  | Tie wrap                    |
| 11   | 9822 106  | Washer*                     |
| 12   | 0522 040  | Wire assembly*              |
| 13   | 0551 714  | Cord grip (2)*              |
| 14   | 0558 449  | Bracket*                    |
| 15   | 0551 980  | Lock nut*                   |
| 16   | 0509 218  | Screw (3)*                  |
| 17   | 0558 476  | Power cord jumper           |

\* Australia only

# Spare parts list

## ProSpray 3.25

### Stand



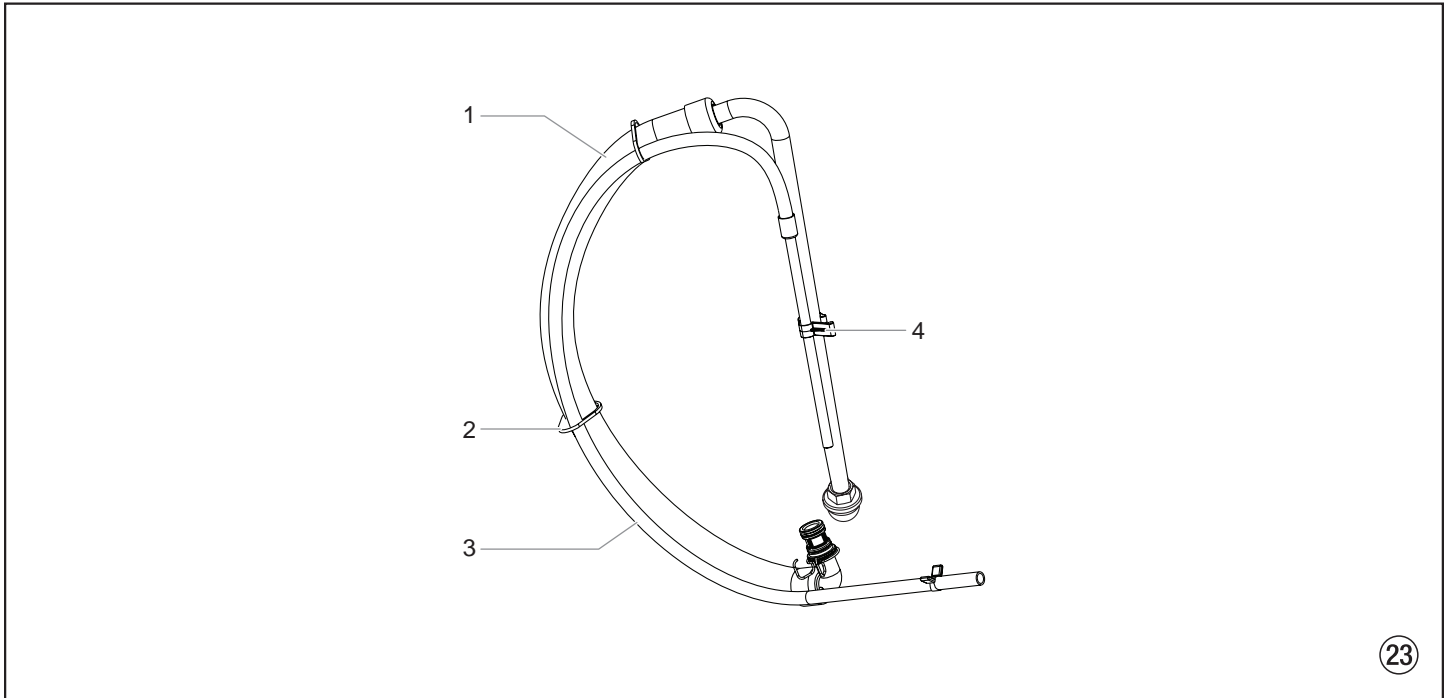
22

| Item | Part No. | Description                             |
|------|----------|---|
| 1    | 9805 367 | Screw (3)                               |
| 2    | 0290 215 | Drip cup                                |
| 3    | 0290 211 | Leg, right                              |
| 4    | 0294 635 | Plug                                    |
| 5    | 0290 214 | Foot                                    |
| 6    | 0508 660 | Screw (2)                               |
| 7    | 0294 635 | Plug                                    |
| 8    | 0290 219 | Cord holder                             |
| 9    | 0290 214 | Foot                                    |
| 10   | 0290 210 | Leg, left                               |
|      | 0290 203 | Left leg assembly (includes items 6-10) |
|      | 0290 204 | Right leg assembly (includes items 1-5) |

## Spare parts list

### ProSpray 3.25

#### Suction system for stand and low boy cart



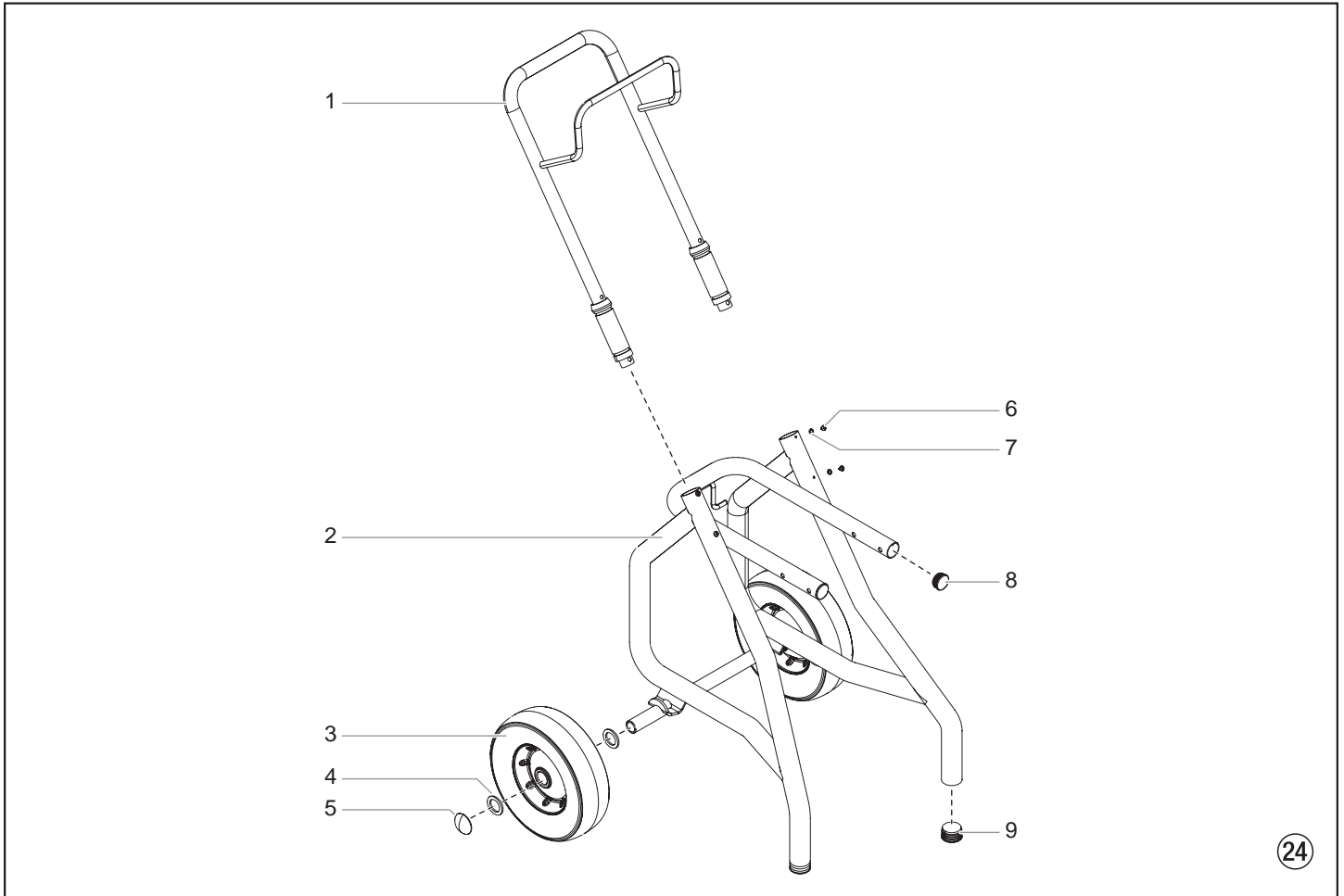
| Item | Part No. | Description                               |
|------|----------|---|
| 1    | 0551 706 | Siphon hose                               |
| 2    | 9850 638 | Tie wrap (2)                              |
| 3    | 0551 707 | Return tube                               |
| 4    | 0279 459 | Clip                                      |
|      | 0551 705 | Siphon tube assembly (includes items 1-4) |



# Spare parts list

## ProSpray 3.25

### Upright cart assembly

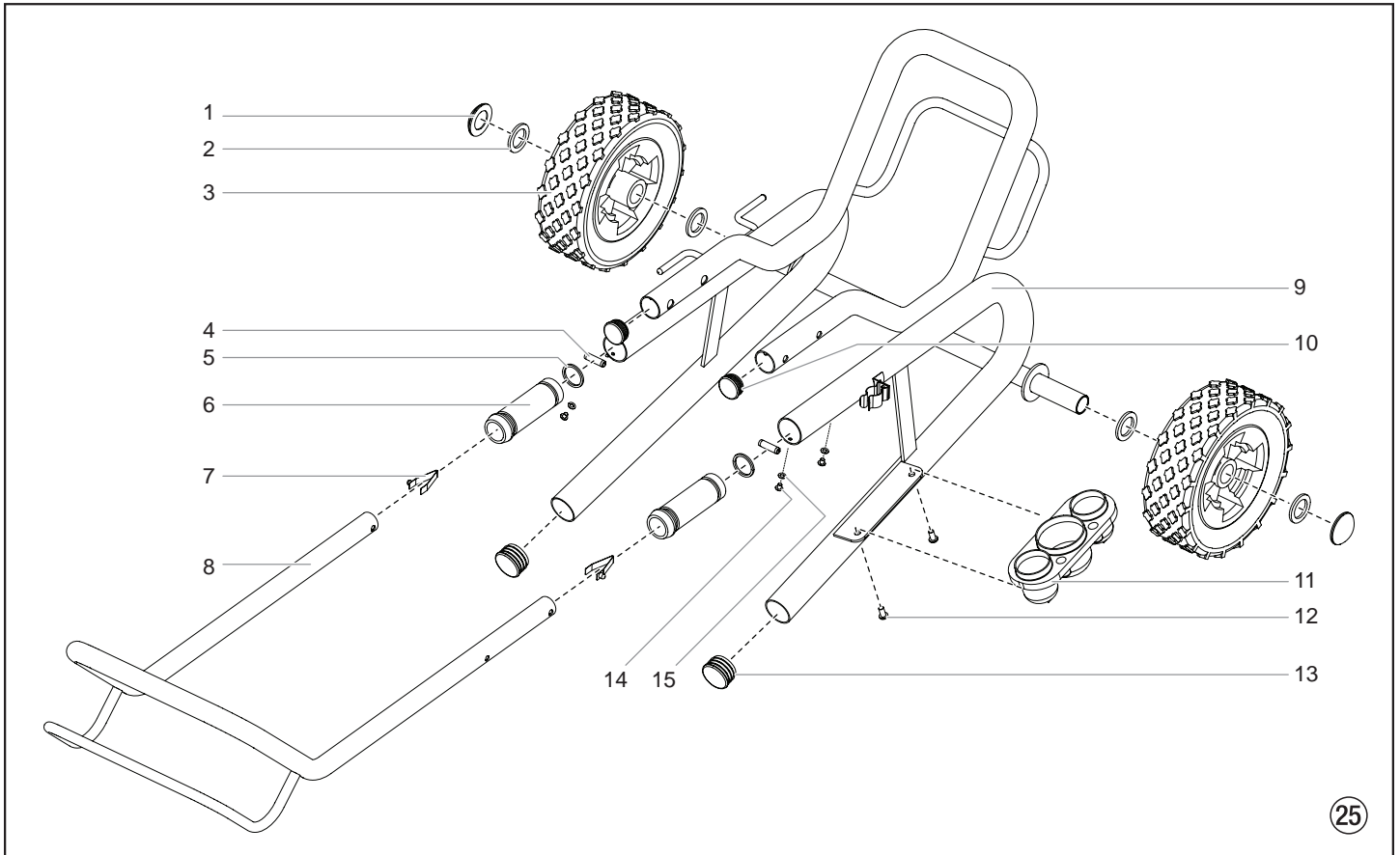


| Item | Part No. | Description                          |
|------|----------|--------------------------------------|
| 1    | 0290 207 | Handle assembly (includes items 6-7) |
| 2    | 0290 208 | Cart weldment                        |
| 3    | 0278 373 | Wheel (2)                            |
| 4    | 0294 534 | Spacer (4)                           |
| 5    | 9890 104 | Axle cap (2)                         |
| 6    | 0295 608 | Screw (2)                            |
| 7    | 0509 386 | Washer (6)                           |
| 8    | 0294 635 | Plug (2)                             |
| 9    | 9885 571 | Plug (2)                             |

# Spare parts list

## ProSpray 3.25

### Low boy cart



| Item | Part No. | Description       |
|------|----------|-------------------|
| 1    | 9890 104 | Axle cap (2)      |
| 2    | 0294 534 | Spacer (4)        |
| 3    | 0270 394 | Wheel (2)         |
| 4    | 0295 610 | Pin (2)           |
| 5    | 0295 609 | Washer (2)        |
| 6    | 0295 607 | Sleeve (2)        |
| 7    | 9841 504 | Spring button (2) |
| 8    | 0290 200 | Handle            |
| 9    | 0558 463 | Cart weldment     |
| 10   | 0294 635 | Plug (2)          |
| 11   | 0507 397 | Drip cup          |
| 12   | 9805 230 | Screw (2)         |
| 13   | 9885 571 | Plug (2)          |
| 14   | 0295 608 | Screw (2)         |
| 15   | 0507 786 | Washer (6)        |

## Important notes on product liability

As a result of an EC regulation being effective as from January 1, 1990, the manufacturer shall only be liable for his product if all parts come from him or are released by him, and if the devices are properly mounted and operated.

If the user applies outside accessories and spare parts, the manufacturer's liability can fully or partially be inapplicable; in extreme cases usage of the entire device can be prohibited by the competent authorities (employer's liability insurance association and factory inspectorate division).

Only the usage of original WAGNER accessories and spare parts guarantees that all safety regulations are observed.

## 3+2 years guarantee for professional finishing

Wagner professional guarantee  
(Status 01.02.2009)

### 1. Scope of guarantee

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

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

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

### 2. Guarantee period and registration

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

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

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

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

Registration can be completed on the Internet under [www.wagner-group.com/profi-guarantee](http://www.wagner-group.com/profi-guarantee). The guarantee certificate is valid as confirmation, as is the original purchase document that carries the date of the purchase. Registration is only possible if the buyer is in agreement with having the data being stored that is entered during registration.

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

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

### 3. Handling

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

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

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

### 4. Exclusion of guarantee

Guarantee claims cannot be considered

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

### 5. Additional regulations.

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

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

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

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

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

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

**Note on disposal:**

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



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

**CE Declaration of conformity**

Herewith we declare that the supplied version of

**WAGNER ProSpray 3.25**

Complies with the following provisions applying to it:

**2004/108, 92/31 EWG, 93/68 EWG, 2006/42.**

Applied harmonized standards, in particular:

**EN 292-1/-2, EN 1953, EN 55014, EN 60335-1, EN 61000-3.**

Applied national technical standards and specifications, in particular:

**Date: 15.03.2010**

A handwritten signature in black ink, appearing to read 'J. Alled', is written over a faint dotted line.

Signature - Person responsible for documentation

**J. Wagner GmbH**  
Otto-Lilienthal-Straße 18  
88677 Markdorf  
Deutschland

## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>