



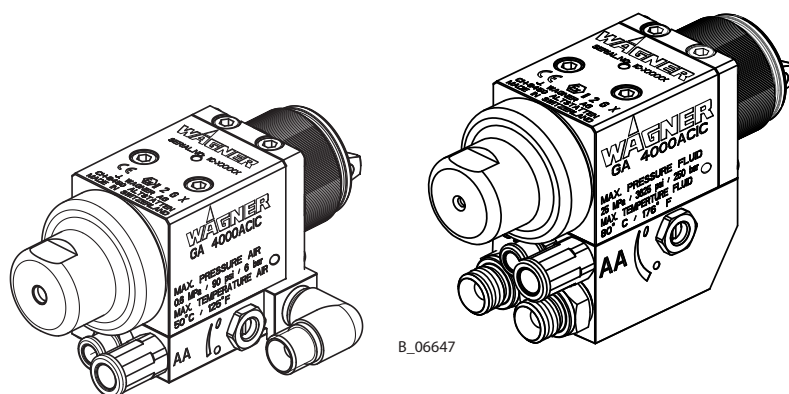
## Original Operating Manual

For professional use.  
Always follow the information in this manual,  
particularly the safety instructions and the warning  
instructions. Store the manual in a safe place.

Version 05/2018

**GA 4000ACIC-S**  
**GA 4000ACIC-R**

**AirCoat**  
**Automatic spray gun**



B\_06647



II 2 GT6 X



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## 1 ABOUT THESE INSTRUCTIONS

### 1.1 PREFACE

The operating manual contains information about safely operating, maintaining, cleaning and repairing the device.

The operating manual is part of the device and must be available to the operating and service personnel.

The device may only be operated by trained personnel and in compliance with this operating manual.

Operating and service personnel should be instructed according to the safety instructions. This equipment can be dangerous if it is not operated according to the instructions in this operating manual.

### 1.2 WARNINGS, NOTICES AND SYMBOLS IN THESE INSTRUCTIONS

Warning instructions in this manual highlight particular dangers to users and to the device and state measures for avoiding the hazard. These warning instructions fall into the following categories:

 **DANGER** Immediate risk of danger.  
Non-observance will result in death or serious injury.

 **WARNING** Potential risk.  
Non-observance may result in death or serious injury.

 **CAUTION** Potentially hazardous situation.  
Non-observance may result in minor injury.

 **NOTICE** Potentially hazardous situation.  
Non-observance may result in damage to property.

**Notice** Provides information about particular characteristics and how to proceed.

#### Explanation of warning notice:

##### **LEVEL OF DANGER**

**This notice warns you of a hazard!**

Possible consequences of not observing the warning notice.

→ The measures for preventing the hazard and its consequences.



### 1.3 LANGUAGES

The operating manual is available in the following languages:

| Language | Order No. | Language | Order No. |
|----------|-----------|----------|-----------|
| English  | 2439562   | --       | --        |

Additional languages on request or at: [www.wagner-group.com](http://www.wagner-group.com)

### 1.4 ABBREVIATIONS

| Order No. | Order number                              |
|-----------|-------------------------------------------|
| ET        | Spare part                                |
| K         | Marking in the spare parts lists          |
| Pos       | Position                                  |
| Stk       | Number of pieces                          |
| SW        | Wrench size (tool)                        |
| TX        | Torx size (tool)                          |
| RP        | Replaceable Packing (replaceable packing) |
| PTFE      | Polytetrafluorethylene (PTFE)             |
| GF        | Fiber optics                              |
| PE        | Polyethylene                              |
| UWMW-PE   | Ultra-high molecular polyethylene         |
| FPM       | Fluoropolymer rubber (Viton)              |
| POM       | Polyoxymethylene (Acetal)                 |
| PA        | Polyamide                                 |

**1.5 TERMINOLOGY FOR THE PURPOSE OF THIS MANUAL**

| <b>Cleaning</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cleaning                        | Manual cleaning of devices and device parts with cleaning agent                                                                                                                                                                                                                                                                                                                                                                         |
| Flushing                        | Internal flushing of paint-wetted parts with compressed air                                                                                                                                                                                                                                                                                                                                                                             |
| Product pressure generator      | Pump or pressure tank                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Personnel qualifications</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Trained person                  | Is instructed in the tasks assigned to him/her, the potential risks associated with improper behavior as well as the necessary protective devices and measures.                                                                                                                                                                                                                                                                         |
| Electrically trained person     | Is instructed by an electrician about the tasks assigned to him/her, the potential risks associated with improper behavior as well as the necessary protective devices and measures.                                                                                                                                                                                                                                                    |
| Electrician                     | Can assess the work assigned to him/her and detect possible hazards based on his/her technical training, knowledge and experience in relevant provisions.                                                                                                                                                                                                                                                                               |
| Skilled person                  | A person, who, based on his/her technical training, experience and recent vocational experience, has sufficient technical knowledge in the areas of explosion protection, protection from pressure hazards and electric hazards (if applicable) and is familiar with the relevant and generally accepted rules of technology so that he/she can inspect and assess the status of devices and coating systems based on workplace safety. |

## 2 CORRECT USE

### 2.1 DEVICE TYPE

Automatic gun for automatic coating of work pieces.

### 2.2 TYPE OF USE

The gun is suitable for atomizing liquid products, particularly coating products, using the AirCoat process.

WAGNER explicitly prohibits any other use!

The device may only be operated under the following conditions:

- Use the device only to work with the products recommended by WAGNER.
- Only operate the device as a whole.
- Do not deactivate safety fixtures.
- Use only WAGNER original spare parts and accessories.
- The operating personnel must be trained on the basis of this operating manual.
- Follow the instructions in the operating manual.

### 2.3 FOR USE IN POTENTIALLY EXPLOSIVE AREAS

The device is suitable for use in potentially explosive areas as defined by UK statutory requirement SI 2016/1107, (see Explosion protection marking Chapter [3.1](#)).



### 2.4 PROCESSIBLE WORKING MATERIALS

Top-coat lacquers, primer paints, corrosion protection, textured lacquers, lyes, staining solvents, clear lacquers, separating agents, etc. with a solvent or water base. If you want to spray working materials other than the aforementioned, contact a WAGNER representative.

When operating the device with a coating product with a temperature of > 43 °C; 109.4 °F, identify the device with a warning label that says "Warning - hot surface" according to Chapter [4.2.6](#).

**Note:**

Contact your local WAGNER dealer and the lacquer manufacturer if you encounter application problems.

### 2.5 MISUSE

Misuse can lead to physical injury and/or property damage!

Special attention must be paid that:

- no dry coating products, e.g. powder are processed;
- no food, medicine or cosmetics are processed.

### 3 IDENTIFICATION

#### 3.1 EXPLOSION PROTECTION IDENTIFICATION

As defined by UK statutory requirement SI 2016/1107 (ATEX), the device is suitable for use in potentially explosive areas.

Device type: AirCoat automatic gun  
 Manufacturer: Wagner International AG  
 9450 Altstätten  
 Switzerland

**UK  
CA**

**UK  
CA**  II 2 G T6 X

UKCA UKCA-mark (UK Conformity Assessed)  
 Ex Symbol for explosion protection  
 II Device class II  
 2 Category 2 (zone 1)  
 G Ex-atmosphere gas  
 T6 Temperature class: maximum surface temperature < 85 °C;  
 185 °F  
 X Special notice



#### 3.2 IDENTIFICATION "X"

The maximum surface temperature corresponds to the permissible product temperature. This and the permissible ambient temperature can be found in the "Technical Data" chapter.

##### Safe Handling of WAGNER Spray Devices

Mechanical sparks can form if the device comes into contact with metal.

In an explosive atmosphere:

- Do not knock or push the device against steel or rusty iron.
- Do not drop the spray gun.
- Use only tools that are made of a permitted material.

##### Ignition temperature of the coating product

- Ensure that the ignition temperature of the coating product is above the maximum surface temperature.

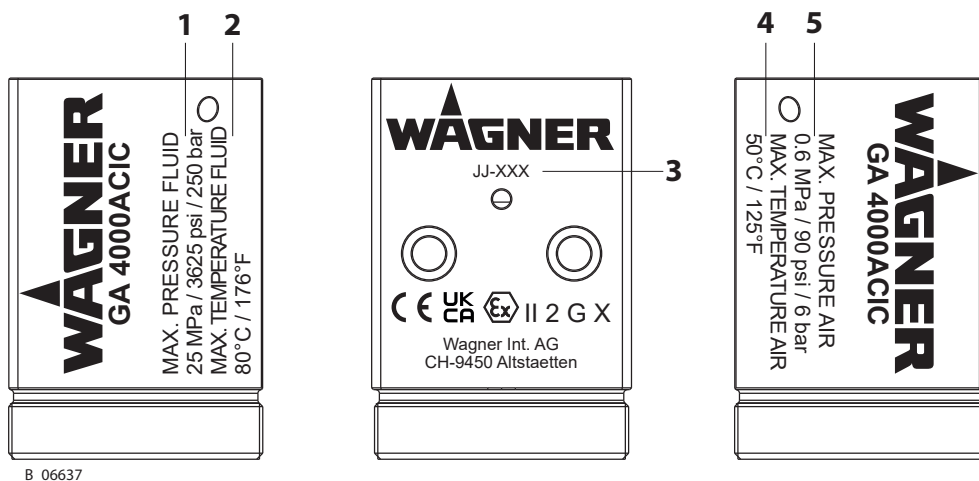
##### Medium supporting atomizing

- To atomize the product, use only weakly oxidizing gases, e.g., air.

##### Cleaning

If there are deposits on the surfaces, the device may form electrostatic charges. Flames or sparks can form during discharge.

- Remove deposits from the surfaces to maintain conductivity.

**3.3 TYPE PLATE**

| Pos | Designation                 |
|-----|-----------------------------|
| 1   | Maximum product pressure    |
| 2   | Maximum product temperature |
| 3   | Serial number               |
| 4   | Maximum air temperature     |
| 5   | Maximum air inlet pressure  |

## 4 BASIC SAFETY INSTRUCTIONS

### 4.1 SAFETY INSTRUCTIONS FOR THE OPERATOR

- Keep this operating manual at hand near the device at all times.
- Always follow local regulations concerning occupational safety and accident prevention.



#### 4.1.1 ELECTRICAL DEVICES AND EQUIPMENT

##### **Electric shock hazard!**

Danger to life from electric shock.

- Prepare device in accordance with the local safety requirements with regard to the operating mode and ambient influences.
- May only be maintained by skilled electricians or under their supervision. With open housings, the mains voltage poses a danger.
- Operate device in accordance with the safety regulations and electrotechnical regulations.
- Must be repaired immediately in the event of problems.
- Decommission if it poses a hazard or is damaged.
- Must be de-energized before work is commenced. Inform personnel about planned work. Observe electrical safety regulations.
- Ground all devices to a common grounding point.
- Only operate the device with a properly installed socket with a protective ground wire connection.
- Keep liquids away from electrical devices.



#### 4.1.2 A SAFE WORK ENVIRONMENT

##### **Hazard due to dangerous fluids or vapors!**

Severe or fatal injuries due to explosion hazard or inhalation, swallowing or contact with the skin or eyes.

- Ensure that the floor in the working area is static dissipative in accordance with BS EN 61340-4-1:2004+A1:2015 (resistance must not exceed 100 MΩ).
- Paint mist extraction systems/ventilation systems must be fitted on site according to local regulations.
- Make sure that the ground connection and potential equalization of all system parts are reliable and continuous and can withstand the expected stress (e.g. mechanical stress, corrosion).
- Ensure that product/air hoses that have been adapted to the working pressure are used.
- Ensure that personal protective equipment (see Chapter [4.2.1](#)) is available and is used.
- Ensure that all persons within the working area wear static dissipative shoes. Footwear must comply with BS EN ISO 20344:2011. The measured insulation resistance must not exceed 100 MΩ.
- Protective clothing, including gloves, must comply with BS EN 1149-5:2018. The measured insulation resistance must not exceed 100 MΩ.
- Ensure that there are no ignition sources such as naked flames, sparks, glowing wires, or hot surfaces in the vicinity. No smoking.
- Ensure that the pipe joints, hoses, equipment parts and connections are permanently, technically leak-proof:
  - Periodic preventative maintenance and service (replacing hoses, checking tightness of connections, etc.).
  - Regular monitoring of leaks and defects via visual inspection and odor testing, e.g. daily before commissioning, at the end of work or weekly.
- In the event of defects, immediately bring the device or system to a stop and arrange to have repairs carried out immediately.



#### 4.1.3 PERSONNEL QUALIFICATIONS

##### **Hazard due to incorrect use of device!**

Risk of death due to untrained personnel.

- Ensure that the operating personnel has been instructed by the operator in accordance with the operating manual and the operating instructions. The device must only be operated, maintained and repaired by trained personnel. Refer to the operating instructions for information about the required personnel qualifications.

## 4.2 SAFETY INSTRUCTIONS FOR THE PERSONNEL

- Always follow the information in this manual, particularly the safety instructions and the warning instructions.
- Always follow local regulations concerning occupational safety and accident prevention.
- In electrostatics applications: Persons belonging to a risk group defined by the UK statutory requirement SI 2016 No. 588 (EMF) (e.g., carriers of active implants), must not enter the high-voltage area.



### 4.2.1 PERSONAL SAFETY EQUIPMENT

#### **Hazard due to dangerous fluids or vapors!**

Serious or fatal injuries due to inhalation, swallowing or contact with the skin or eyes.

- When preparing or working with lacquer and when cleaning the device, follow the working instructions of the manufacturer of the lacquers, solvents, and cleaning agents being used.
- Take the specified protective measures. In particular wear safety goggles, protective clothing and gloves, as well as hand protection cream if necessary.
- Use a mask or breathing apparatus if necessary.
- For sufficient health and environmental safety: Operate the device in a spray booth or on a spraying wall with the ventilation (extraction) switched on.
- Wear suitable protective clothing when working with hot products.



**4.2.2 SAFE HANDLING OF WAGNER SPRAY DEVICES****Hazard due to injection of lacquer or flushing agent into the skin!**

The spray jet is under pressure and can cause dangerous injuries. Avoid injection of lacquer or flushing agents:

- Never point the spray gun at people.
- Never reach into the spray jet.
- Before any work on the device, in the event of work interruptions and malfunctions:
  - Switch off the energy/compressed air supply.
  - Relieve the pressure from the spray gun and device.
  - Secure the spray gun against actuation.
  - Disconnect the control unit from the mains.
  - In the event of functional faults: remedy the fault as described in the "Troubleshooting" chapter.
- If necessary or at least every 12 months, the liquid ejection devices must be checked for safe working conditions by an expert (e.g. WAGNER Service Technician) in accordance with the guidelines for liquid ejection devices (DGUV [German Statutory Accident Insurance] regulation 100-500 section 2.29 and 2.36).
  - For shut down devices, the examination can be suspended until the next start-up.
- Carry out the work steps as described in the "Pressure relief" chapter:
  - if pressure relief is required,
  - if the spraying work is interrupted or stopped.
  - before the device is cleaned on the outside, checked, or serviced,
  - before the spray nozzle is installed or cleaned.

**In the event of skin injuries caused by lacquer or flushing agents:**

- Note the lacquer or flushing agent that you have been using.
- Consult a doctor immediately.

**4.2.3 GROUNDING THE UNIT****Hazard due to electrostatic charge!**

Explosion hazard and damage to the device.

Friction, flowing liquids and air or electrostatic coating processes create charges. Flames or sparks can form during discharge.

Correct grounding of the entire spraying system prevents electrostatic charges.

- Ensure that all devices and tanks are grounded before each spraying process.
- Ground the work pieces to be coated.
- Ensure that all persons inside the working area are grounded, e.g., that they are wearing static dissipative shoes.
- The spray substance supply (spray substance tank, pump, etc.) must be grounded.



#### 4.2.4 PRODUCT HOSES

**Hazard due to bursting of product hose!**

The product hose is under pressure and may cause dangerous injuries.

- Ensure that the hose material is chemically resistant to the sprayed products and the flushing agents used.
- Ensure that the product hose and the fittings are suitable for the pressure generated.
- Ensure that the following information can be seen on the high-pressure hose:
  - manufacturer,
  - permissible operating pressure,
  - date of manufacture.
- Make sure that the hoses are laid only in suitable places. Hoses should not be laid in the following places under any circumstances:
  - in high-traffic areas,
  - on sharp edges,
  - on moving parts or
  - on hot surfaces.
- Ensure that the hoses are never run over by vehicles (e.g., fork lift trucks), or that the hoses are never put under pressure from the outside in any other way.
- Ensure that the hoses are never kinked. Observe maximum bending radii.
- Ensure that no work is ever performed with a damaged hose.
- Make sure that the hoses are never used to pull or move the equipment.
- The electrical resistance of the product hose, measured at both valves, must be less than 1 MΩ.
- Suction hoses may not be subjected to pressure.



#### 4.2.5 CLEANING AND FLUSHING

##### **Hazard due to cleaning and flushing!**

Explosion hazard and damage to the device.

- Preference should be given to non-ignitable cleaning and flushing agents.
- When carrying out cleaning work with flammable cleaning agents, make sure that all equipment and resources (e.g., collection tank, funnel, transport cart) are conductive or static dissipative and grounded.
- Observe the specifications of the lacquer manufacturer.
- Ensure that the flash point of the cleaning agent is at least 15 K above the ambient temperature or that cleaning is undertaken at a cleaning station with technical ventilation.
- Explosive gases are produced when aluminum comes into contact with halogenated hydrocarbons. To clean aluminum, do not use liquids containing halogenated hydrocarbons.
- Take measures for workplace safety (see Chapter [4.1.2](#)).
- When commissioning or emptying the device, please note that:
  - depending upon the coating product used,
  - depending on the flushing agent (solvent) used.an explosive mixture may temporarily exist inside the lines and components of equipment.
- Only electrically conductive tanks may be used for cleaning and flushing agents.
- The tanks must be grounded.

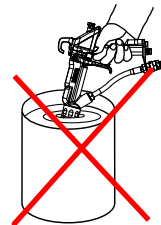
An explosive gas/air mixture forms in closed tanks.

- Never spray into a closed tank when using solvents for flushing.

##### **External Cleaning**

When cleaning the exterior of the device or its parts, also observe the following:

- Relieve the pressure from the device.
- De-energize the device electrically.
- Disconnect the pneumatic supply line.
- Use only moistened cloths and brushes. Never use abrasive agents or hard objects and never spray cleaning agents with a gun. Cleaning the device must not damage it in any way.
- Ensure that no electrical component is cleaned with or even immersed in solvent.



#### 4.2.6 TOUCHING HOT SURFACES

**Hazard due to hot surfaces because of hot coating products!**

Risk of burn injuries.

- Only touch hot surfaces if you are wearing protective gloves.
- When operating the device with a coating product with a temperature of > 43 °C; 109 °F:
  - Identify the device with a warning label "Warning – hot surface".

**Order No.**

9998910 Instruction label

9998911 protection label

**Note:** Order the two stickers together.



#### 4.2.7 MAINTENANCE AND REPAIR

**Hazard due to improper maintenance and repair!**

Danger to life and equipment damage.

- Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts.
- Do not change or modify the device; if change is necessary, contact WAGNER.
- Only repair and replace parts that are listed in Chapter 13 and Chapter 14 that are assigned to the unit.
- Do not use any defective components.
- Exclusively use accessories listed in Chapter 13 and that are assigned to the unit.
- Before all work on the device and in the event of work interruptions:
  - Switch off the energy and compressed air supply.
  - Relieve the pressure from the spray gun and device.
  - Secure the spray gun against actuation.
- Observe the operating and service manual for all work.

#### 4.2.8 PROTECTIVE AND MONITORING EQUIPMENT

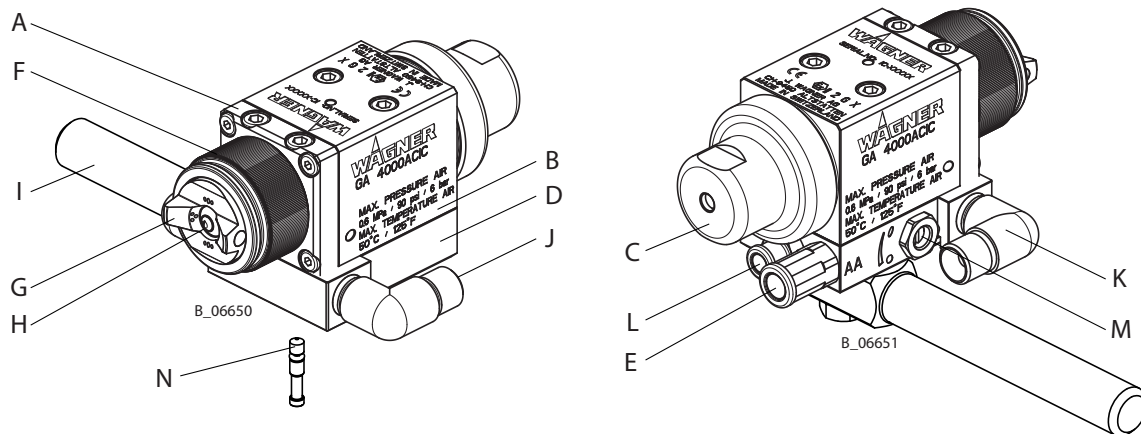
**Hazard due to removal of protective and monitoring equipment!**

Danger to life and equipment damage.

- Protective and monitoring equipment must not be removed, modified or rendered unusable.
- Regularly check for perfect functioning.
- If defects are detected on protective and monitoring equipment, the system must not be operated until these defects are remedied.

## 5 DESCRIPTION

### 5.1 COMPONENTS

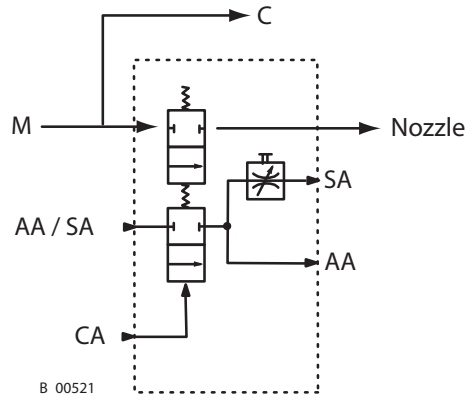


| Pos | Designation                      |
|-----|----------------------------------|
| A   | Gun head                         |
| B   | Spray gun body                   |
| C   | Tension sleeve drive             |
| D   | Base plate                       |
| E   | Atomizing air connection (blue)  |
| F   | Union nut                        |
| G   | Air cap (blue, red or bronze)    |
| H   | Nozzle                           |
| I   | Standard holder                  |
| J   | Connecting fitting (product)     |
| K   | Connecting fitting (product)     |
| L   | Connection for control air (red) |
| M   | Shaping air throttle             |
| N   | Product channel lock pin         |

The device consists of a gun head (A), gun body (B), drive (C) and base plate (D). The air cap (G), appropriate nozzle (H) and various parts for sealing and fastening are attached to the gun head (A). The product valve and packing are housed in the gun head (A). The clamping mechanism for the packing is installed in the gun body (B). The gun body also serves as a connecting piece between the drive (C) and the gun head (A). The drive (C) consists of a diaphragm and a pressure spring for the product valve. The base plate (D) contains all connections (E, J, K) and a shaping air throttle (M). It can be used to connect the gun to the corresponding reciprocator or gun holder.

**5.2 FUNCTIONAL DESCRIPTION****5.2.1 MODE OF OPERATION****Diagram:**

SA = Shaping air  
 AA = Atomizing air  
 CA = Control air  
 M = Product  
 C = Circulation

**Open:**

The piston in the drive is charged with control air and moves toward the rear. This ensures that the air valve which releases the shaping and atomizing air is opened first. The product valve is then opened with a mechanical delay. In this position, the pressurized coating product is applied to the work piece.

**Close:**

The piston is relieved, and the product valve closes due to the pressure spring which presses against the product valve tappet. The air valve is then closed, again with a spring force and mechanical delay.

**Additional functions:**

The shaping air throttle is used to regulate the shaping air volume, while the atomizing air is adjusted via an external pressure regulator. The two air streams do not flow separately until they are downstream of the air valve, so that the pressure of the shaping air corresponds roughly to that of the atomizing air and so that they influence each other during adjustment.

The product connections and the paint channels in the base plate are arranged so that several guns can run in circulation mode.

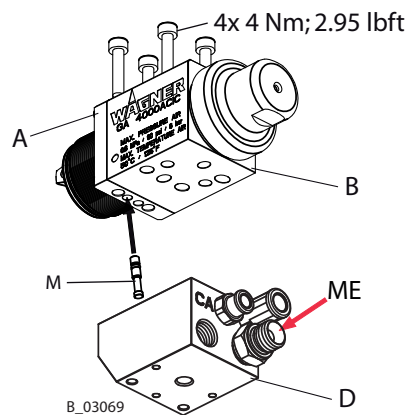
**5.2.2 MODE "NC" AND "C"****⚠ DANGER****Spurting out of liquids with high pressure!**

Danger to life and equipment damage.

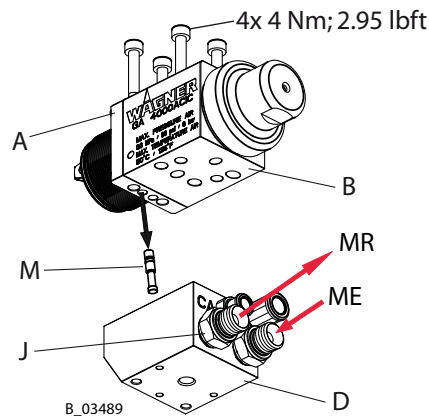
- For the operating mode NC (no product circulation), the spray gun may only be connected if the lock pin is installed.

**5.2.2.1 MODE "NC" WITHOUT PRODUCT CIRCULATION**

In this mode of operation, the left or the right product channel in the gun head (A) is locked by the lock pin (M) and the product entrance (ME) is always on the opposite side.

**5.2.2.2 MODE "C" WITH PRODUCT CIRCULATION**

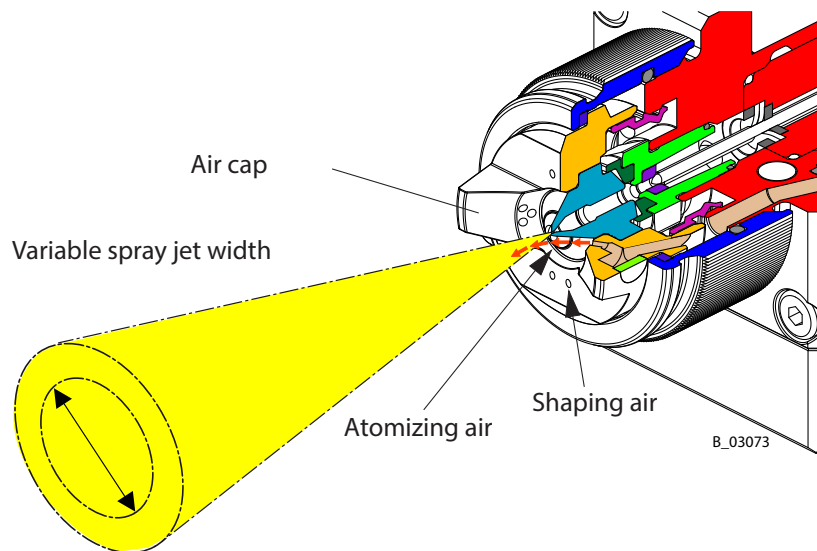
In this mode of operation, the lock pin (M) must be removed from the left or right product channel in the gun head (A). Screw on additional connection fitting (J). The product entrance (ME) and the product return (MR) are freely selectable in this mode of operation.



### 5.2.3 SPRAYING PROCEDURE

#### 5.2.3.1 AIRCOAT FLAT SPRAYING PROCEDURE

For normal applications with the AirCoat flat jet process, the spray product is atomized at a pressure of 3-12 MPa; 30-120 bar; 435-1740 psi. For normal applications, a soft, optimum spray jet is achieved with help of the atomizing air, which has a pressure of 0.05-0.25 MPa; 0.5-2.5 bar; 7.2-36 psi. This eliminates most overlapping problems in the peripheral zones. The shaping air allows the width of the spray jet to be increased or decreased.



#### Advantages:

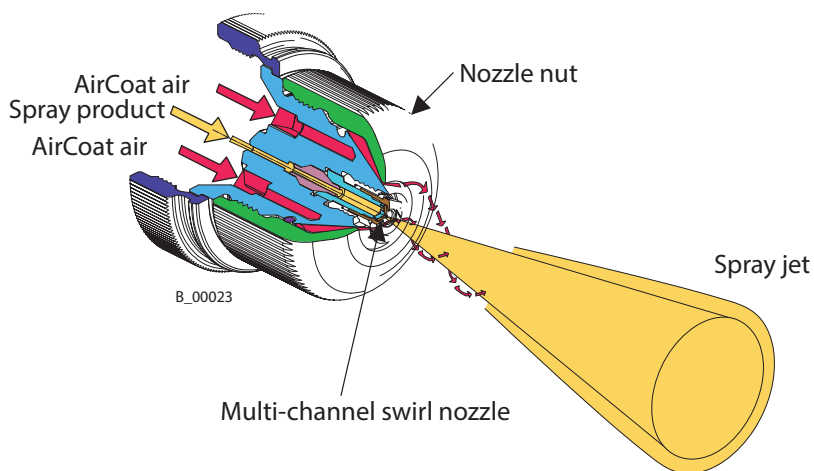
- Large application volume.
- Low fogging tendency.
- Good finish.
- High-viscosity products can easily be applied.
- Jet width adjustment.

**5.2.3.2 AIRCOAT ROUND SPRAYING PROCEDURE**

For normal applications with the AirCoat round jet process, the spray product is atomized at a pressure of 3-12 MPa; 30-120 bar; 435-1740 psi.

For normal applications, the air at 0.05-0.25 MPa; 0.5-2.5 bar; 7.2-36 psi produces a soft spray jet. The spray jet can be adjusted by turning the nozzle nut.

The multi-channel swirl nozzle produces fine paint particles, while at the same time reducing their forwards speed and swirling them to produce a rotating motion. The result is a soft, extremely well atomized spraying cloud.

**Advantages:**

- Large application volume.
- Low fogging tendency.
- Good finish.
- High-viscosity products can easily be applied.

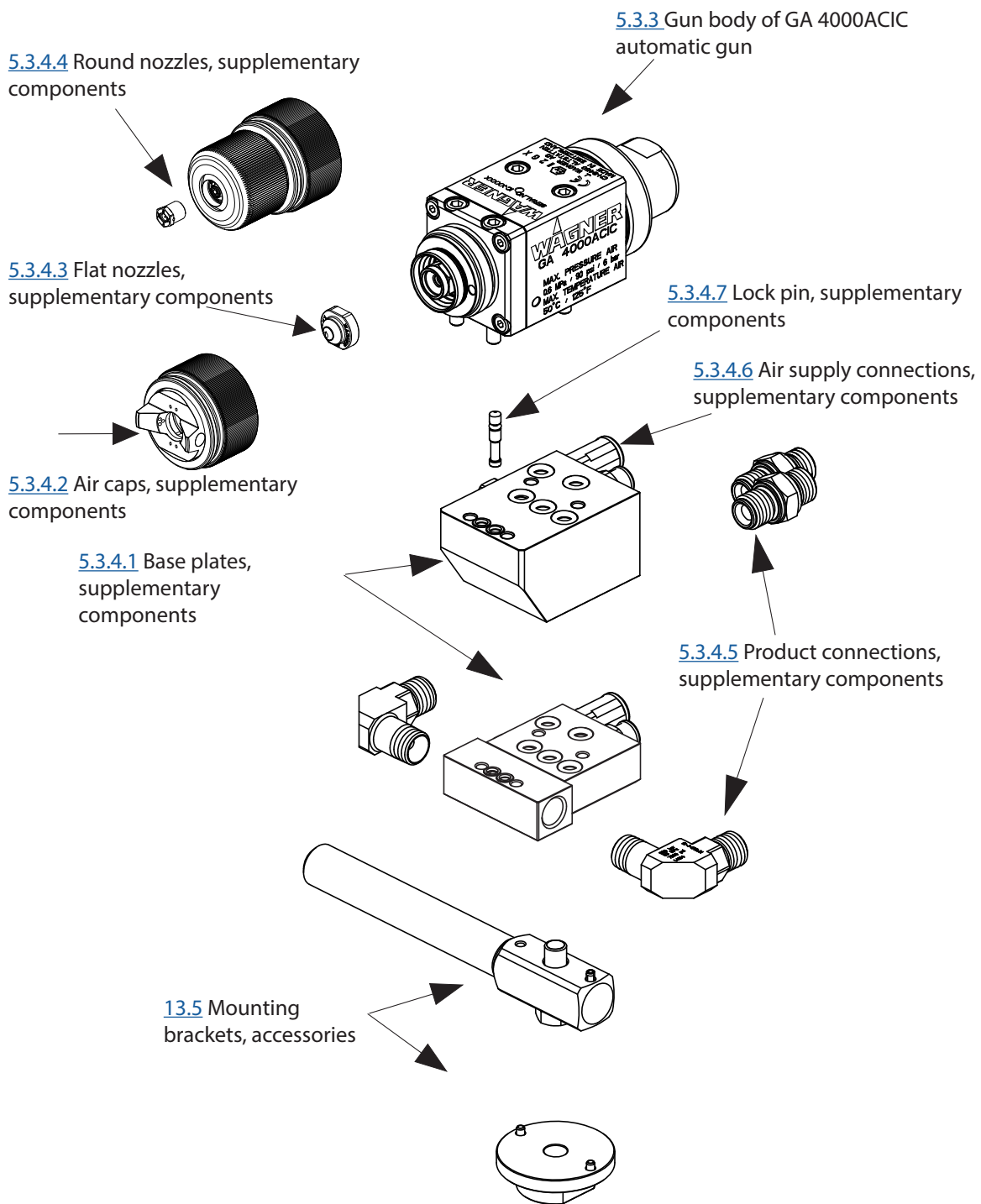
**5.3 INCLUDED ITEMS****5.3.1 TYPE DESCRIPTION**

|           |             |           |           |
|-----------|-------------|-----------|-----------|
| <b>GA</b> | <b>4000</b> | <b>AC</b> | <b>XX</b> |
| ①         | ②           | ③         | ④         |

- ① **GA** = Automatic gun
- ② **4000** = Gun type
- ③ **AC** = AirCoat spraying process
- ④ **IC** = Shaping and atomizing air controlled via valve within gun.
- EC** = Shaping and atomizing air controlled via valve outside of gun.

**5.3.2 OVERVIEW**

The Aircoat automatic gun is composed of the gun body and supplementary components. Circulation operating mode is possible.



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**5.3.3 STANDARD VARIANT**

| Stk | Order No. | Designation                            |
|-----|-----------|----------------------------------------|
| 1   | 2312132   | AirCoat automatic gun GA 4000ACIC      |
| 1   | 2338603   | AirCoat automatic gun GA 4000ACIC (RP) |

The basic equipment includes:

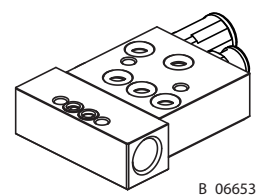
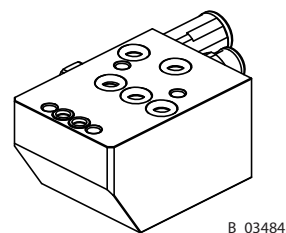
| Stk | Order No.     | Designation                        |
|-----|---------------|------------------------------------|
| 1   | 2315627       | Declaration of Conformity          |
| 1   | 2312955       | Operating manual, German           |
| 1   | See Chap. 1.3 | Operating manual in local language |

The supplementary components can be used to harmonize and supplement the standard equipment of the automatic gun perfectly to any application depending upon requirements and accessory requests.

The delivery note shows the exact scope of delivery.

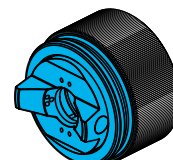
**5.3.4 SUPPLEMENTARY COMPONENTS****5.3.4.1 BASE PLATE**

| Order No. | Designation                                                     |
|-----------|-----------------------------------------------------------------|
| 2308810   | Base plate GA 4000ACIC R (including seals and air connections)  |
| 2363386   | Base plate, GA 4000ACIC S (including seals and air connections) |

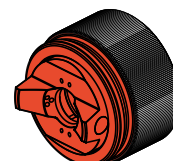


**5.3.4.2 AIR CAPS**

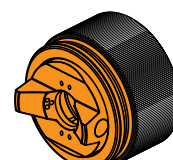
| Order No. | Designation                                        |
|-----------|----------------------------------------------------|
| 2308809   | Air cap HV plus (blue) for high viscosity products |
| 2308808   | Air cap LV plus (red) for low viscosity products   |
| 2313493   | Air cap LA plus (bronze)                           |
| 2340299   | Air cap LV plus (blank)                            |



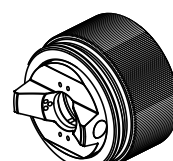
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**5.3.4.3 ACF3000 AIRCOAT FLAT JET NOZZLES**

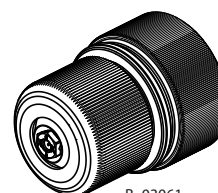
| Order No. | Designation                                                              |
|-----------|--------------------------------------------------------------------------|
| 379XXX    | A selection guide for nozzles can be found in Chapter <a href="#">13</a> |



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**5.3.4.4 AIRCOAT ROUND JET NOZZLES ACR3000**

| Order No. | Designation                                                              |
|-----------|--------------------------------------------------------------------------|
| 132XXX    | A selection guide for nozzles can be found in Chapter <a href="#">13</a> |



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**5.3.4.5 PRODUCT CONNECTIONS**

| Order No. | Designation                      |
|-----------|----------------------------------|
| 350550    | Straight connecting fitting      |
| 2314065   | Connecting fitting 90°; 1/4–NPSM |
| 2328186   | 90° connecting fitting; G1/4"    |



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**5.3.4.6 AIR SUPPLY CONNECTIONS**

| Order No. | Designation                                                                                |
|-----------|--------------------------------------------------------------------------------------------|
| 9998090   | Straight threaded fitting $\varnothing$ 6 mm–1/8"; $\varnothing$ 0.24 inch–1/8" * standard |
| 9998993   | Straight threaded fitting $\varnothing$ 8 mm–1/8"; $\varnothing$ 5/16"–1/8"                |



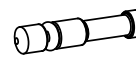
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**5.3.4.7 SHUTTER PIN**

| Order No. | Designation       |
|-----------|-------------------|
| 2310534   | Complete lock pin |



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**5.3.4.8 PACKING INSERT GA 4000AC**

| Order No. | Designation                   |
|-----------|-------------------------------|
| 2313516   | Packing Insert GA 4000AC      |
| 2338601   | Packing insert GA 4000AC (RP) |



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**5.3.4.9 VALVE MOUNTING**

| Order No. | Designation                                   |
|-----------|-----------------------------------------------|
| 2314279   | Valve mounting GA 4000AC complete (80° angle) |
| 2340315   | Valve mounting GA 4000AC complete (50° angle) |



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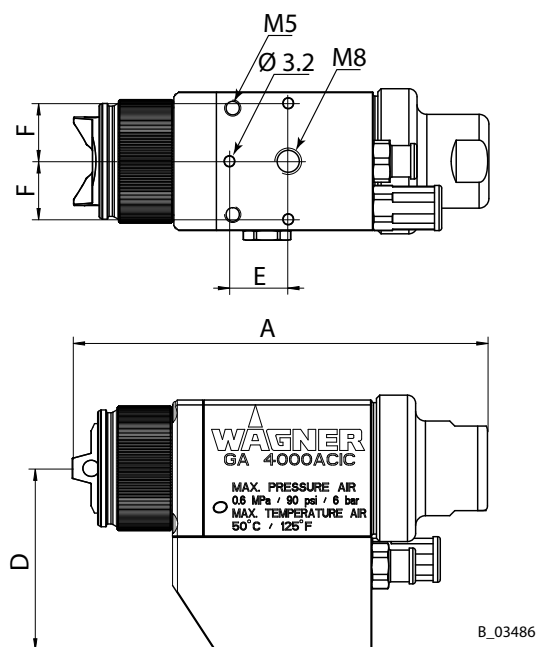
**5.4 DATA****5.4.1 MATERIALS OF PAINT-WETTED PARTS**

| Metals                 |                        | Plastics |        |
|------------------------|------------------------|----------|--------|
| Carbide                | Stainless steel 1.4305 | POM      | FPM    |
| Stainless steel 1.4310 | Stainless steel 1.4104 | PTFE     | PA 6.6 |
|                        |                        | UHMW-PE  | EPDM   |

**5.4.2 TECHNICAL DATA**

| Description                                                                                            | Units         | Value         |
|--------------------------------------------------------------------------------------------------------|---------------|---------------|
| Maximum air inlet pressure                                                                             | MPa; psi; bar | 0.6; 87; 6    |
| Maximum product pressure                                                                               | MPa; psi; bar | 25; 3625; 250 |
| Product connection (internal thread)                                                                   | inch          | G1/4"         |
| Air connection (internal thread)                                                                       | inch          | G1/8"         |
| Weight                                                                                                 | G; oz         | 880; 31       |
| Maximum product temperature                                                                            | °C; °F        | 80; 176       |
| Maximum air temperature                                                                                | °C; °F        | 50; 122       |
| Maximum ambient temperature                                                                            | °C; °F        | 5–40; 41–104  |
| Sound level at 0.3 MPa; 3 bar; 43.5 psi air pressure and 11 MPa; 110 bar; 1549 psi product pressure*** | dB(A)         | 82.0          |

\*\*\* A rated sound pressure level measured at 0.5 m distance, L<sub>pa</sub> 0.5 m, according to BS EN 14462:2015.

**5.4.3 MEASUREMENTS AND CONNECTIONS**

| Pos | mm     | inch       |
|-----|--------|------------|
| A   | 129    | 5.08       |
| B   | 47     | 1.85       |
| C   | 77.5   | 3.05       |
| D   | 55     | 2.17       |
| E   | 18±0.1 | 0.71±0.004 |
| F   | 18±0.1 | 0.71±0.004 |

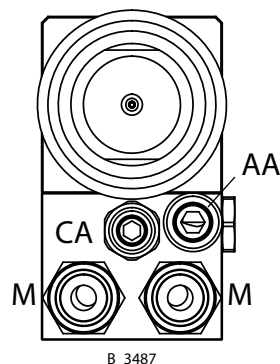
**Connection data:**

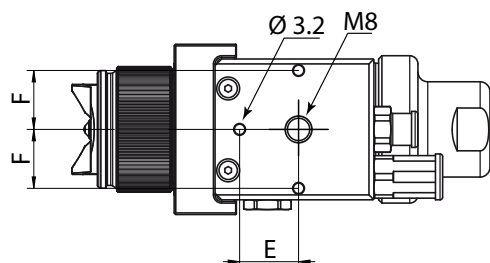
Base plate to GA 4000ACIC R

CA = G1/8" -&gt; 6 mm; 0.24 inch control air

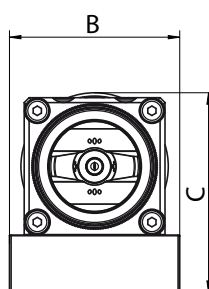
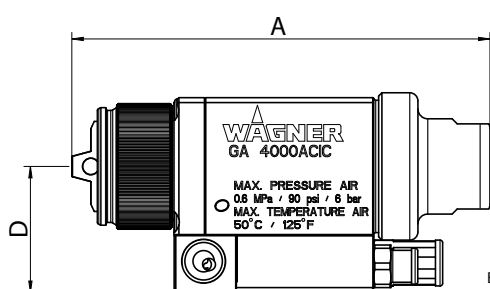
AA = G1/8" -&gt; 8 mm; 0.31 inch atomizing air

M = G1/4" -&gt; 1/4-NPSM product





| Pos | mm     | inch       |
|-----|--------|------------|
| A   | 129    | 5.08       |
| B   | 52     | 2.04       |
| C   | 61     | 2.40       |
| D   | 37.5   | 1.48       |
| E   | 18±0.1 | 0.71±0.004 |
| F   | 18±0.1 | 0.71±0.004 |

**Connection data:**

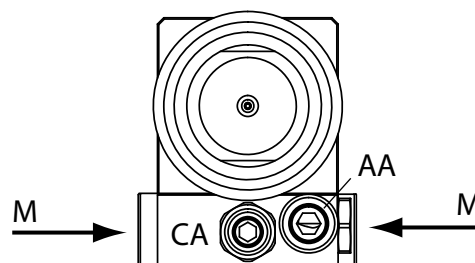
Base plate to GA 4000ACIC S

CA = G1/8" -&gt; 6 mm; 0.24 inch control air

AA = G1/8" -&gt; 8 mm; 0.31 inch atomizing air

M = G1/4" -&gt; 1/4-NPSM product

M = G1/4" -&gt; G1/4" product



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## **6 COMMISSIONING**

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### **6.1 TRAINING OF ASSEMBLY/COMMISSIONING PERSONNEL**

- The assembly and commissioning personnel must have the technical skills to safely commission the device.
- When assembling, commissioning and carrying out all work, read and follow the operating manuals and safety regulations for the additionally required system components.

A skilled person must check to ensure that the device is in a reliable state after it is installed and commissioned.

### **6.2 STORAGE CONDITIONS**

Until the point of assembly, the device must be stored in a dry location, free from vibrations and with a minimum of dust. The device must be stored in closed rooms.

The air temperature at the storage location must be between -20 °C and +60 °C (-4 °F and +140 °F).

The relative air humidity at the storage location must be between 10 and 95% (without condensation).

### **6.3 INSTALLATION CONDITIONS**

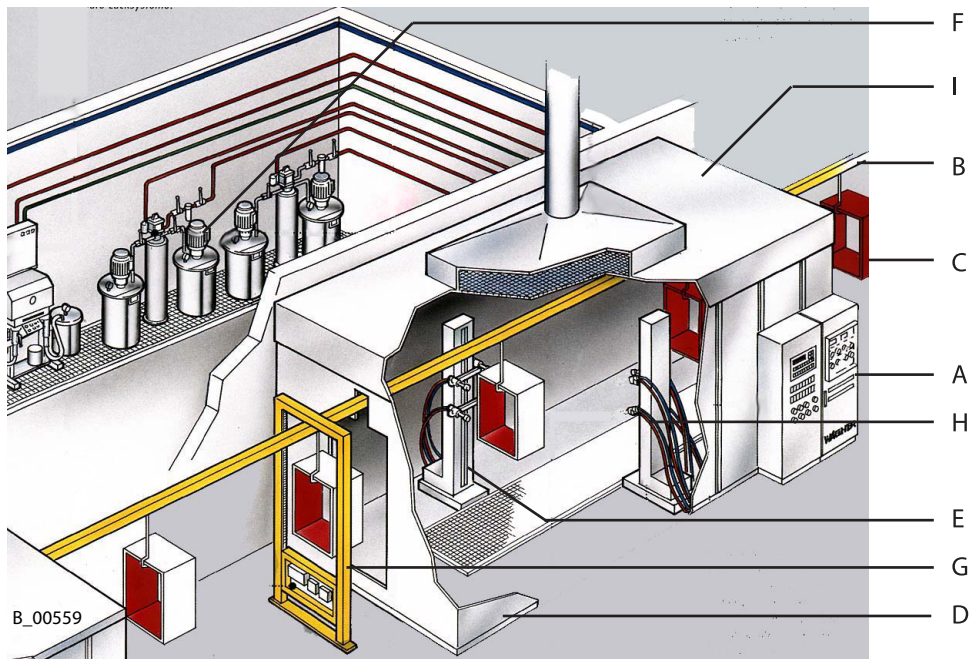
The air temperature at the installation site must be in a range between 0 °C and 40 °C (32 °F and 132 °F).

The relative air humidity at the installation site must be between 10 and 95% (without condensation).

### **6.4 INSTALLATION AND CONNECTION**

The spray gun must be combined with various components to make up a spraying system. The spraying system shown in the figure is only one example of an AirCoat spraying system. Your WAGNER distributor would be happy to assist you in creating a spraying system solution that meets your individual needs.

You must familiarize yourself with the operating manuals and the safety regulations of all additional system components before starting commissioning.

**6.4.1 TYPICAL AIRCOAT SPRAYING SYSTEM**

| Pos | Designation     |
|-----|-----------------|
| A   | Control cabinet |
| B   | Conveyor        |
| C   | Work piece      |
| D   | Spray booth     |
| E   | Reciprocator    |

| Pos | Designation                              |
|-----|------------------------------------------|
| F   | Paint supply                             |
| G   | Part recognition                         |
| H   | Spray guns                               |
| I   | Supply air system and exhaust air system |
|     |                                          |

**6.4.2 VENTILATION OF THE SPRAY BOOTH**

- Operate the device in a spray booth approved for the working materials.  
-or-
- Operate the device on an appropriate spraying wall with the ventilation (extraction) switched on.
- Observe national and local regulations for the exhaust air speed.

**6.4.3 AIR SUPPLY LINES**

Ensure that only dry, clean atomizing air is used in the spray gun! Dirt and moisture in the atomizing air worsens the spraying quality and spray pattern.

#### 6.4.4 PRODUCT SUPPLY LINES

##### ! NOTICE

##### **Impurities in the spraying system!**

Spray gun blockage, products harden in the spraying system.

→ Flush the spray gun and paint supply with a suitable flushing agent.

#### 6.5 GROUNDING

A conductive connection (potential equalization cable) must be established between original tank and the equipment.

→ Ground all device components.

→ Ground the work pieces to be coated.

#### 6.6 SAFETY CHECKS

→ Carry out safety checks in accordance with Chapter [8.2.3](#).

#### 6.7 LACQUER PREPARATIONS

The viscosity of the lacquer is of great importance. The best spraying results are obtained with values between 80 and 260 millipascal x Sec (mPas).

Processing of up to 260 mPas is generally possible without problems if high coating thicknesses are required. It is important for the optimum coating quality that the paint temperature is kept constant during coating.

Please also read the technical data sheet of the lacquer for optimal processing, viscosity adjustment and intermixing of the product.

In the case of application problems contact the lacquer manufacturer.

**6.7.1 VISCOSITY CONVERSION TABLE**

| Millipascal<br>x<br>Sec (mPas) | Centipoise | Poise | DIN Cup<br>4 mm<br>0.16 inch | Ford Cup 4 | Zahn 2 |
|--------------------------------|------------|-------|------------------------------|------------|--------|
| 10                             | 10         | 0.1   |                              | 5          | 16     |
| 15                             | 15         | 0.15  |                              | 8          | 17     |
| 20                             | 20         | 0.2   |                              | 10         | 18     |
| 25                             | 25         | 0.25  | 14                           | 12         | 19     |
| 30                             | 30         | 0.3   | 15                           | 14         | 20     |
| 40                             | 40         | 0.4   | 17                           | 18         | 22     |
| 50                             | 50         | 0.5   | 19                           | 22         | 24     |
| 60                             | 60         | 0.6   | 21                           | 26         | 27     |
| 70                             | 70         | 0.7   | 23                           | 28         | 30     |
| 80                             | 80         | 0.8   | 25                           | 31         | 34     |
| 90                             | 90         | 0.9   | 28                           | 32         | 37     |
| 100                            | 100        | 1     | 30                           | 34         | 41     |
| 120                            | 120        | 1.2   | 33                           | 41         | 49     |
| 140                            | 140        | 1.4   | 37                           | 45         | 58     |
| 160                            | 160        | 1.6   | 43                           | 50         | 66     |
| 180                            | 180        | 1.8   | 46                           | 54         | 74     |
| 200                            | 200        | 2     | 49                           | 58         | 82     |
| 220                            | 220        | 2.2   | 52                           | 62         |        |
| 240                            | 240        | 2.4   | 56                           | 65         |        |
| 260                            | 260        | 2.6   | 62                           | 68         |        |
| 280                            | 280        | 2.8   | 65                           | 70         |        |
| 300                            | 300        | 3     | 70                           | 74         |        |
| 320                            | 320        | 3.2   |                              |            |        |
| 340                            | 340        | 3.4   |                              |            |        |
| 360                            | 360        | 3.6   | 80                           |            |        |
| 380                            | 380        | 3.8   |                              |            |        |
| 400                            | 400        | 4     | 90                           |            |        |

## 6.8 COMMISSIONING

### 6.8.1 PREPARATION BEFORE COMMISSIONING

#### ! NOTICE

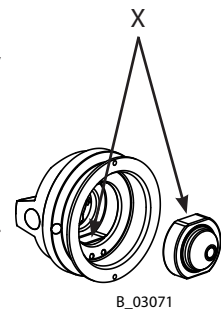
##### **Impurities in the spraying system!**

Spray gun blockage.

→ Flush the spray gun and paint supply with a suitable flushing agent before commissioning.

### 6.8.2 COMMISSIONING

1. Mount spray gun to reciprocator.
2. Connect product hoses (supply and return flow) to spray gun and product supply system.
3. Fit nozzle on nozzle seal. Fit air cap over nozzle.  
Note the flattened parts (X) on the nozzle and in the air cap.  
Fit the union nut and tighten by hand.
4. Connect control air hose and atomizing air hose to spray gun and to oil-free, dry air supply.
5. Visually check the permissible pressures for all the system components.
6. Make sure that the device and all other conductive parts within the work area are grounded.
7. Set operating pressure to 100 MPa; 10 bar; 1,450 psi and use a suitable medium to check no connections are leaking.
8. Relieve the pressure from the spray gun and device.



### 6.8.3 VERIFYING A SAFE OPERATIONAL CONDITION

A skilled person must check to ensure that the device is in a reliable state after it is installed and commissioned.

This includes:

- Carry out safety checks in accordance with Chapter [8.2.3](#).



## 7 OPERATION

### 7.1 TRAINING THE OPERATING PERSONNEL

- The operating personnel must be qualified to operate the entire system.
- The operating personnel must be familiar with the potential risks associated with improper behavior as well as the necessary protective devices and measures.
- Before work commences, the operating personnel must receive appropriate system training.

### 7.2 TASKS

#### CAUTION

##### **Spurting out of liquids with high pressure!**

Risk of injury and damage to the device.

- No persons should be located in the hazard area during operation.
- Make sure to keep a safe distance during setting up, installation and maintenance work.



Ensure that:

- The regular safety checks are carried out in accordance with Chapter [8.2.3](#),
- commissioning is carried out in accordance with Chapter [6.8](#).

#### 7.2.1 STARTING TO SPRAY WITH THE AIRCOAT

1. Set product supply to operating pressure of approx. 8 MPa; 80 bar; 1160 psi and start up.
2. Spray (release control air) and check the atomization.
3. Set the spray pressure on the product supply such that optimum product atomization is attained.
4. Open air pressure regulator for atomizing air and set.
5. Adjust the amount of air at the shaping air throttle until the optimum spray pattern is reached.

The relation between the spray pattern and shaping is shown in the illustration below.

##### **Note:**

Repeat points 4 and 5 until the optimum spray pattern is reached (iterative process).

**Spray pattern shapes**

No shaping air/  
atomizing air



Too little shaping  
air/atomizing air



Correct amount  
of shaping air/  
atomizing air

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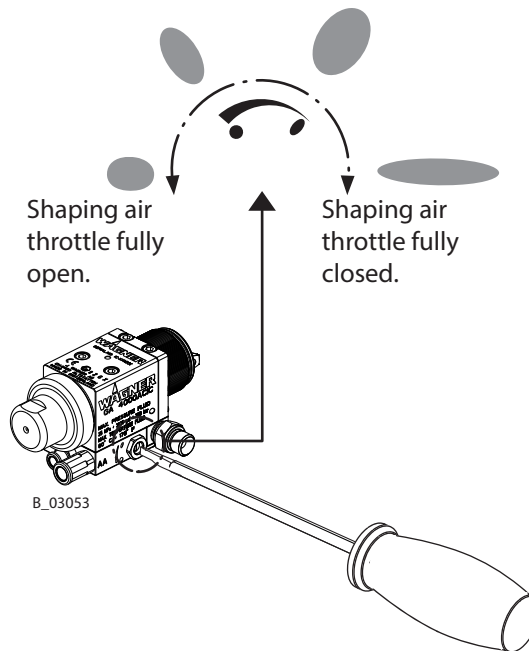
**Note:**

The flow rate can be changed by:

- changing the product pressure or
- Using a different flat jet nozzle (see Chapter [7.2.4](#) and Chapter [13](#)).

**7.2.2 ADJUSTING THE SPRAY PATTERN**

The spray pattern can be adjusted to suit the object being sprayed using the shaping air regulator. The illustration shows the influence of the shaping air regulator on the spray pattern. Other nozzle sizes can be mainly used to obtain larger or smaller spray patterns.

**7.2.3 PRESSURE RELIEF/WORK INTERRUPTION**

The pressure must always be relieved:

- when the spraying tasks are finished,
- before carrying out maintenance work on the spraying system,
- before carrying out cleaning tasks on the spraying system,
- before moving the spraying system to another location,
- if something must be checked on the spraying system,
- if the nozzle or the filter is removed from the spray gun.

The components for pressure relief on a CE-compliant spray system include:

- Air cock with pressure relief hole mounted between compressed air source and pneumatic pump.
- Product pressure relief valve mounted between pump and spray gun.

**Pressure Relief Procedure:**

1. Turn compressed air regulator for shaping and atomizing air on the superordinate control to "0".
2. Close the compressed air supply on the material side upon the product pressure generator.
3. Open product pressure relief valve (see system description) and relieve pressure from the system.
4. Leave product pressure relief valve open.

If the pressure is still not completely relieved after this:

- If the nozzle is obstructed: loosen the union nut, remove the air cap and nozzle to release remaining pressure.
- If product hose is obstructed: slowly loosen the hose connections to release the remaining pressure.

**Note:**

Always follow the procedure described above if pressure relief is specified in the instructions.

**7.2.4 CHANGING AIRCOAT NOZZLE****! NOTICE****Defective AirCoat nozzle!**

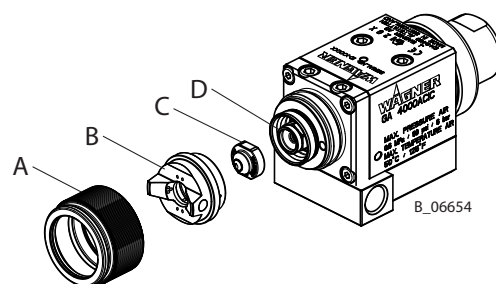
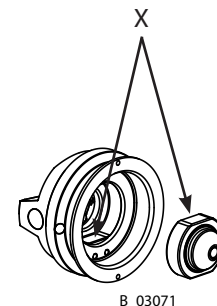
Insufficient paint application quality.

→ Do not use sharp-edged objects to treat carbide on the AirCoat nozzle.

1. Relieve the pressure of gun and device.
2. Secure gun (remove the control air hose).
3. Unscrew union nut (A).
4. Remove air cap (B).
5. Press AirCoat nozzle (C) out of air cap (B) by hand and treat with cleaning agent until all remaining paint has been dissolved.

**Assembly:**

6. Fit AirCoat nozzle (C) in nozzle seal (D).
7. Fit air cap (B) over nozzle (C).  
Note the flattened parts (X) on the nozzle and in the air cap.
8. Fit the union nut with nozzle guard (A) and tighten by hand.

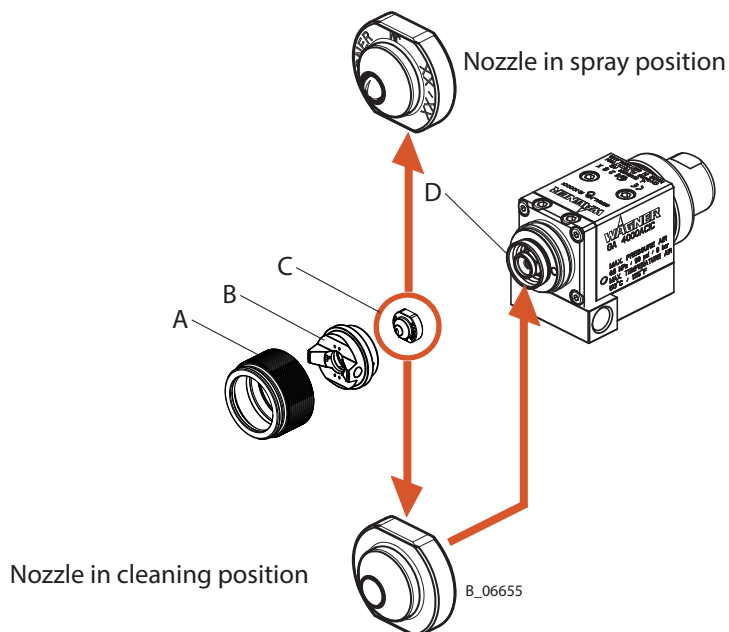
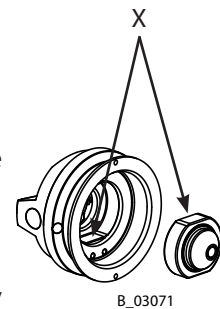
**7.2.5 CLEANING AIRCOAT NOZZLE**

For disassembly and assembly of AirCoat nozzles, see Chapter [7.2.4](#).

The AirCoat nozzle (C) can be placed into a cleaning solution which has been recommended by the paint manufacturer.

**7.2.6 ELIMINATING NOZZLE CLOGGING**

1. Relieve the pressure of gun and device.
2. Secure gun (remove the control air hose).
3. Unscrew union nut (A).
4. Remove air cap (B).
5. Push AirCoat nozzle (C) out of air cap (B) by hand and place on nozzle seal (D) the other way round with the nozzle tip towards the rear.
6. Fit air cap (B) on nozzle (C).
- Note the flattened parts (X) on the nozzle and in the air cap.
7. Screw on the union nut (A) over the air cap (B) onto the spray gun and tighten by hand.
8. Switch the product pressure back on.
9. Spray (connect control air hose).
10. When the blockage has been flushed out, switch off the spray gun.
11. Relieve the pressure of gun and device.
12. Secure gun (remove the control air hose).
13. Unscrew union nut (A).
14. Remove air cap (B) and push AirCoat nozzle (C) out by hand.
- Clean nozzle and nozzle seal and refit nozzle in spraying position on nozzle seal (D).
15. Fit air cap (B) on nozzle (C).
- Note the flattened parts (X) on the nozzle and in the air cap.
16. Screw on the union nut (A) over the air cap (B) onto the spray gun and tighten by hand.
17. Connect control air.
- Switch the product pressure and the air pressure back on.



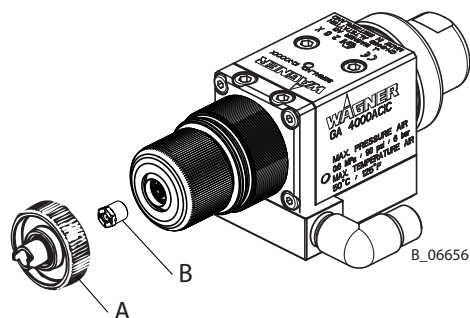
**7.2.7 REPLACING NOZZLE INSERT OF ROUND JET NOZZLE**

1. Relieve the pressure of gun and device.
2. Secure gun (remove the control air hose).
3. Remove nozzle insert (B) with nozzle spanner (A).
4. Fit new nozzle insert in reverse order (see Chapter [8.2.6](#)).

**Note:**

Flush out clogged round jet nozzle:

1. Use nozzle spanner (A) to loosen nozzle insert (B) by a half turn.
2. Remove the nozzle spanner and switch on the spray gun briefly.
3. After flushing the nozzle, re-tighten the nozzle insert.



## 8 CLEANING AND MAINTENANCE

### 8.1 CLEANING

#### 8.1.1 CLEANING PERSONNEL

Cleaning work should be undertaken regularly and carefully by qualified and trained personnel. They should be informed of specific hazards during their training.

The following hazards may arise during cleaning work:

- risk to health from inhaling solvent vapors,
- use of unsuitable cleaning tools and aids.

#### 8.1.2 FLUSHING AND CLEANING THE GUN

##### NOTICE

##### **Flushing agent in the air duct!**

Functional faults caused by swollen seals.

- When cleaning, always operate the spray gun at at least 0.05 MPa; 0.5 bar; 7.25 psi shaping air.
- Always point the spray gun down when cleaning.
- Ensure that neither paint nor flushing agent enters the air duct.
- Never immerse the spray gun in cleaning agent.

The spray gun and the device must be cleaned and flushed daily. The cleaning/flushing agents used for cleaning or flushing must correspond with the working material.

1. Relieve the pressure of gun and device.
2. Secure gun (remove the control air hose).
3. Connect the cleaning agent supply.
4. Dismount AirCoat nozzle and clean separately (see Chapter [7.2.4](#)).
5. Pressurize the cleaning agent supply to a maximum pressure of 4 MPa; 40 bar; 580 psi and thoroughly flush the spray gun.
6. Relieve the pressure of gun and device.
7. Secure gun (remove the control air hose).
8. Clean outside of spray gun with a cleaning agent recommended by the lacquer manufacturer and dry with a cloth or blow gun.

## 8.2 MAINTENANCE

### 8.2.1 MAINTENANCE PERSONNEL

Maintenance work should be undertaken regularly and carefully by qualified and trained personnel. They should be informed of specific hazards during their training.

The following hazards may arise during maintenance work:

- risk to health from inhaling solvent vapors,
- use of unsuitable tools and aids.

An authorized person must ensure that the device is checked for being in a reliable state after maintenance work is completed.

### 8.2.2 MAINTENANCE INSTRUCTIONS

#### **DANGER**

##### **Incorrect maintenance/repair!**

Danger to life and equipment damage.

- Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts.
- Only repair and replace parts that are listed in the "Spare parts" chapter and that are assigned to the unit.
- Before all work on the device and in the event of work interruptions:
  - Switch off the energy and compressed air supply.
  - Relieve the pressure from the spray gun and device.
  - Secure the spray gun against actuation.
- Observe the operating and service manual for all work.



#### **Prior to Maintenance**

- Flush and clean the system. → Chapter [8.1.2](#)

#### **After maintenance**

- Carry out safety checks in accordance with Chapter [8.2.3](#).
- Put the system into operation and check for leaks as described in Chapter [6.8](#).
- In accordance with the guideline for liquid ejection devices (DGUV regulation 100-500 sections 2.29 and 2.36):
  - The liquid ejection devices should be checked by an expert (e.g., WAGNER service technician) for their safe working conditions as required and at minimum every 12 months.
  - For shut down devices, the examination can be suspended until the next start-up.

**8.2.3 SAFETY CHECKS****8.2.3.1 GROUNDING CHECK**

**Daily:** Before starting work, carry out a visual inspection to ensure that the system is grounded.

**8.2.3.2 PRODUCT HOSES, PIPES AND COUPLINGS**

The service life of the complete hoses between product pressure generator and application device is reduced due to environmental influences even when handled correctly.

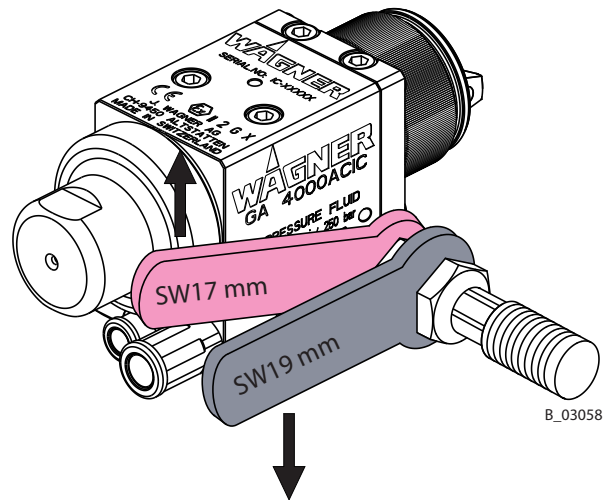
- Check hoses, pipes, and couplings every day and replace if necessary.
- Additionally, the operator must regularly check the complete hoses for wear and tear as well as for damage at intervals that he/she has set. Records of these checks must be kept.
- The complete hose is to be replaced as soon as one of the two following intervals has been exceeded:
  - 6 years from the date of the hose crimping (see fitting embossing).
  - 10 years from the date of the hose imprinting.

| Fitting embossing | Meaning                    |
|-------------------|----------------------------|
| xxx bar           | Pressure                   |
| yymm              | Crimping date (year/month) |
| XX                | Internal code              |

| Hose imprinting                            | Meaning                          |
|--------------------------------------------|----------------------------------|
| Wagner                                     | Name/Manufacturer                |
| yymm                                       | Date of manufacture (year/month) |
| xxx bar (xx MPa)<br>e.g., 270 bar (27 MPa) | Pressure                         |
| XX                                         | Internal code                    |
| DNxx (e.g., DN10)                          | Nominal diameter                 |

**8.2.4 REPLACING THE PAINT HOSE**

1. Decommissioning work and cleaning.
2. Relieve the pressure of gun and device.
3. Secure gun (remove the control air hose).
4. Place open-ended wrench size 17 mm; 0.67 inch on flats of product connection and counterhold.
5. Unscrew nut of product hose with open-ended wrench size 19 mm; 0.75 inch.
6. **Assembly:**  
Fit product hose by hand and tighten with 2 open-ended wrenches.

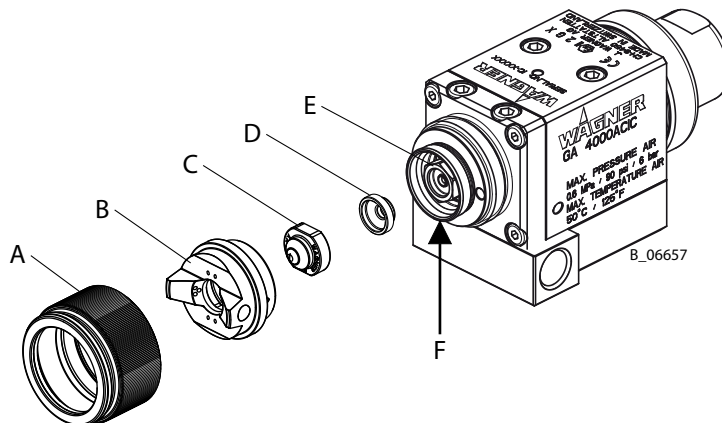
**8.2.5 REPLACING THE NOZZLE SEAL****! NOTICE****Shaping air and atomizer air not separate!**

Poor spray pattern.

Spray jet cannot be adjusted.

→ Treat the distributor seal (F) with care.

1. Decommissioning work and cleaning.
2. Relieve the pressure of gun and device.
3. Secure gun (remove the control air hose).
4. Unscrew union nut (A).
5. Remove air cap (B) and nozzle (C).
6. Release the nozzle seal (D) with the help of a screwdriver.
7. Fit new nozzle seal to valve housing (E).
8. Assemble in reverse order.

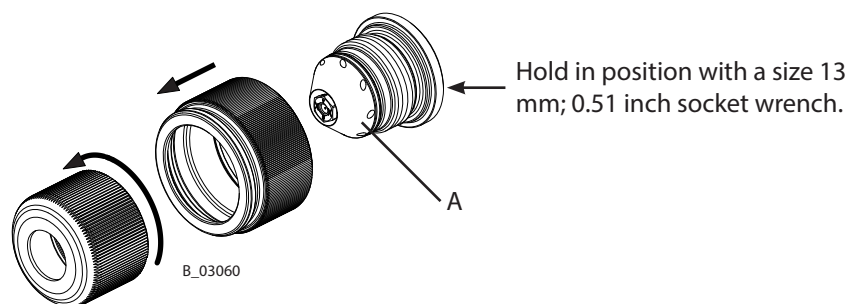
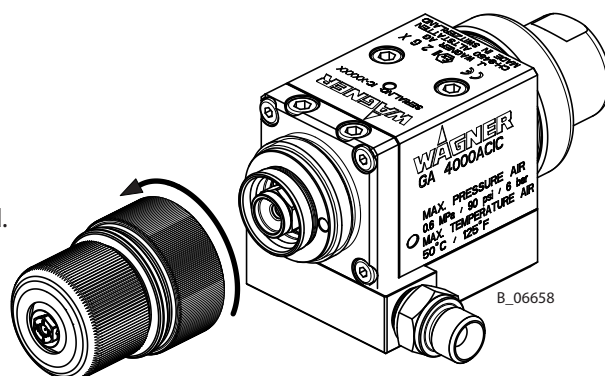
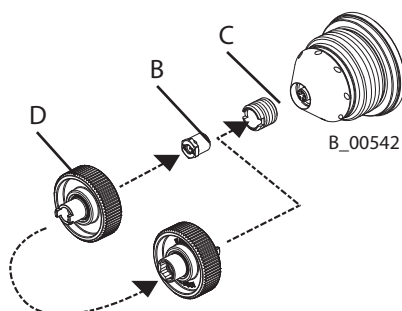


**8.2.6 REPLACING THE SEALING FITTING OF THE ROUND JET NOZZLE****! NOTICE****Defective nozzle body!**

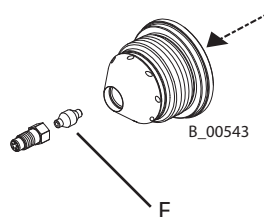
Poor spray pattern.

→ Handle the nozzle body (A) with care.

Unscrew the nozzle by hand.

Nozzle wrench (D)  
Order no. 128901Eject with  $\varnothing$  1.5 mm; 0.06 inch pin.**Note:**

The sealing fitting (E) can be pulled out of the nozzle body using a small eye wood bolt.



## 9 TROUBLESHOOTING AND RECTIFICATION

| Functional fault                                                    | Cause                                                                      | Remedy                                                                       | See Chapter                                     |
|---------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Insufficient product output</b>                                  | Nozzle too small                                                           | Select larger nozzle.                                                        | <a href="#">13</a>                              |
|                                                                     | Product pressure too low.                                                  | Increase product pressure.                                                   |                                                 |
|                                                                     | Filter upstream of gun or high-pressure filter clogged at pump.            | Clean or replace filter.                                                     |                                                 |
|                                                                     | Nozzle clogged.                                                            | Clean the nozzle.                                                            | <a href="#">7.2.6</a>                           |
|                                                                     | The valve rod path is too short.                                           | Increase the control air pressure.<br>Replace the valve rod.                 |                                                 |
| <b>Poor spray pattern</b>                                           | Atomizing air incorrectly adjusted.                                        | Readjust the atomizing air.                                                  | <a href="#">7.2.1</a>                           |
|                                                                     | Nozzle is too large.                                                       | Select a smaller nozzle.                                                     |                                                 |
|                                                                     | Nozzle worn.                                                               | Replace the nozzle.                                                          | <a href="#">7.2.4</a>                           |
|                                                                     | Product pressure too low.                                                  | Increase the product pressure at pump.                                       |                                                 |
|                                                                     | The product viscosity is too high.                                         | Dilute the spray product in accordance with the manufacturer's instructions. |                                                 |
|                                                                     | Nozzle partially clogged.                                                  | Clean the nozzle.                                                            | <a href="#">7.2.5</a> and <a href="#">7.2.6</a> |
|                                                                     | The drilled holes in the air cap are damaged or clogged.                   | Clean or replace the air cap.                                                |                                                 |
| <b>Air valve leaking / air leaks</b>                                | Incorrectly selected air cap.                                              | Use suitable air cap (high viscosity/low viscosity).                         |                                                 |
|                                                                     | The seals on the valve rod are damaged or the valve rod itself is damaged. | Replace the entire valve rod or the individual seals.                        |                                                 |
|                                                                     | Air valve seals are leaky.                                                 | Replace the air valve seal.                                                  | <a href="#">8.2.5</a>                           |
| <b>Packing leaking.</b>                                             | Packing worn.                                                              | Replace packing.                                                             |                                                 |
| <b>Spray gun will not shut off correctly/product valve leaking.</b> | The valve seat or the valve ball is damaged.                               | Replace the parts.                                                           |                                                 |

## 10 REPAIR WORK

### 10.1 REPAIR PERSONNEL

Repair work should be undertaken carefully by qualified and trained personnel. They should be informed of specific hazards during their training.

The following hazards may arise during repair work:

- risk to health from inhaling solvent vapors,
- use of unsuitable tools and aids.

A skilled person must check to ensure that the device is in a reliable state after it is repaired.

### 10.2 REPAIR NOTES

#### **DANGER**

##### **Incorrect maintenance/repair!**

Danger to life and equipment damage.

- Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts.
- Only repair and replace parts that are listed in the "Spare parts" chapter and that are assigned to the unit.
- Before all work on the device and in the event of work interruptions:
  - Switch off the energy and compressed air supply.
  - Relieve the pressure from the spray gun and device.
  - Secure the spray gun against actuation.
- Observe the operating and service manual for all work.



#### **Before Repair Work**

- Flush and clean the system according to Chapter [8.1.2](#).

#### **After Repair Work**

- Carry out safety checks in accordance with Chapter [8.2.3](#).
- Put the system into operation and check for leaks as described in Chapter [6.8](#).
- Function test in accordance with Chapter [11](#).
- In accordance with the guideline for liquid ejection devices (DGUV regulation 100-500 sections 2.29 and 2.36):
  - The liquid ejection devices should be checked by an expert (e.g., WAGNER service technician) for their safe working conditions as required and at minimum every 12 months.
  - For shut down devices, the examination can be suspended until the next start-up.

**10.3 REPLACING PARTS OF THE GUN BODY****10.3.1 DISASSEMBLY OF GA 4000ACIC****! NOTICE****Defective plunger shaft!**

Packing leaking.

Greater wear on the packing.

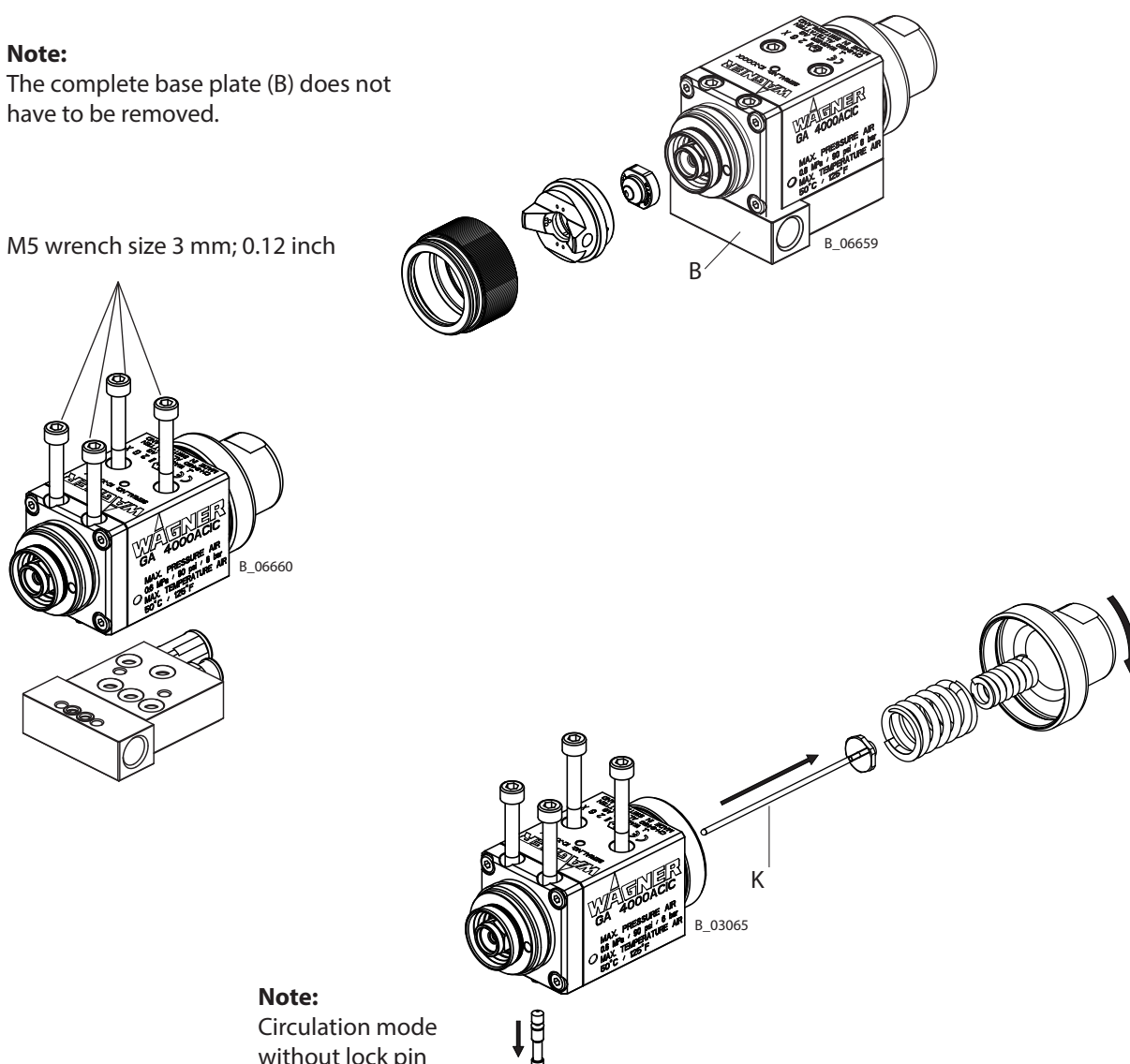
→ Handle the plunger shaft (K) with care.

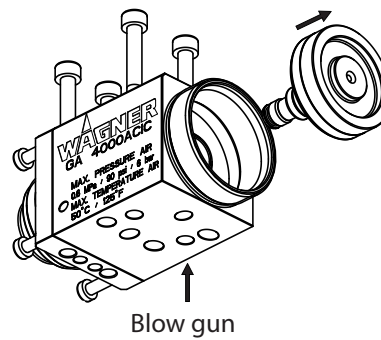
→ The plunger shaft has the function of a sliding surface.

**Note:**

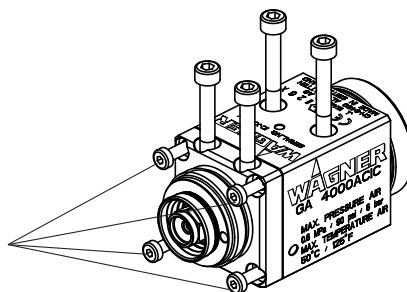
The complete base plate (B) does not have to be removed.

M5 wrench size 3 mm; 0.12 inch





M5 wrench size 3 mm; 0.12  
inch

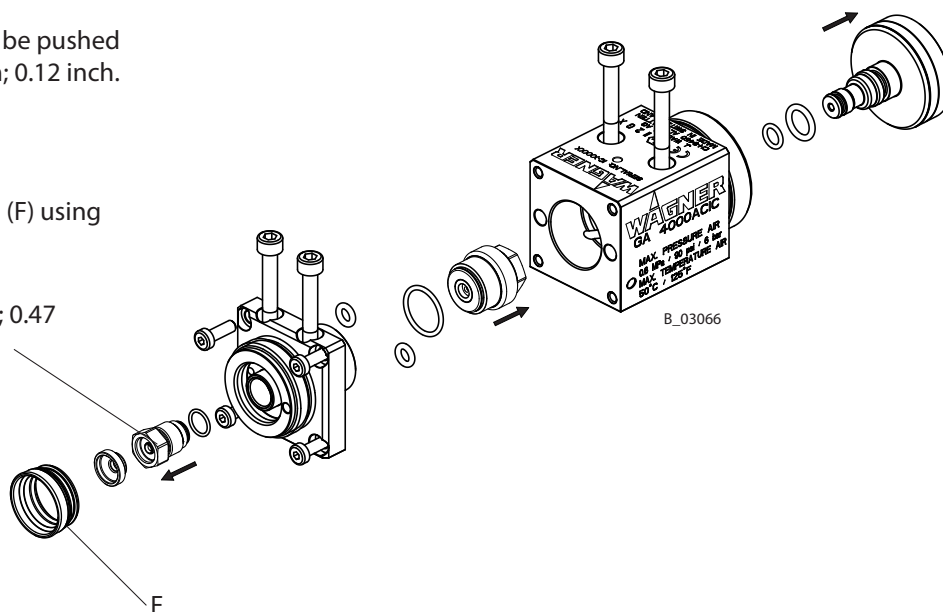
**Note:**

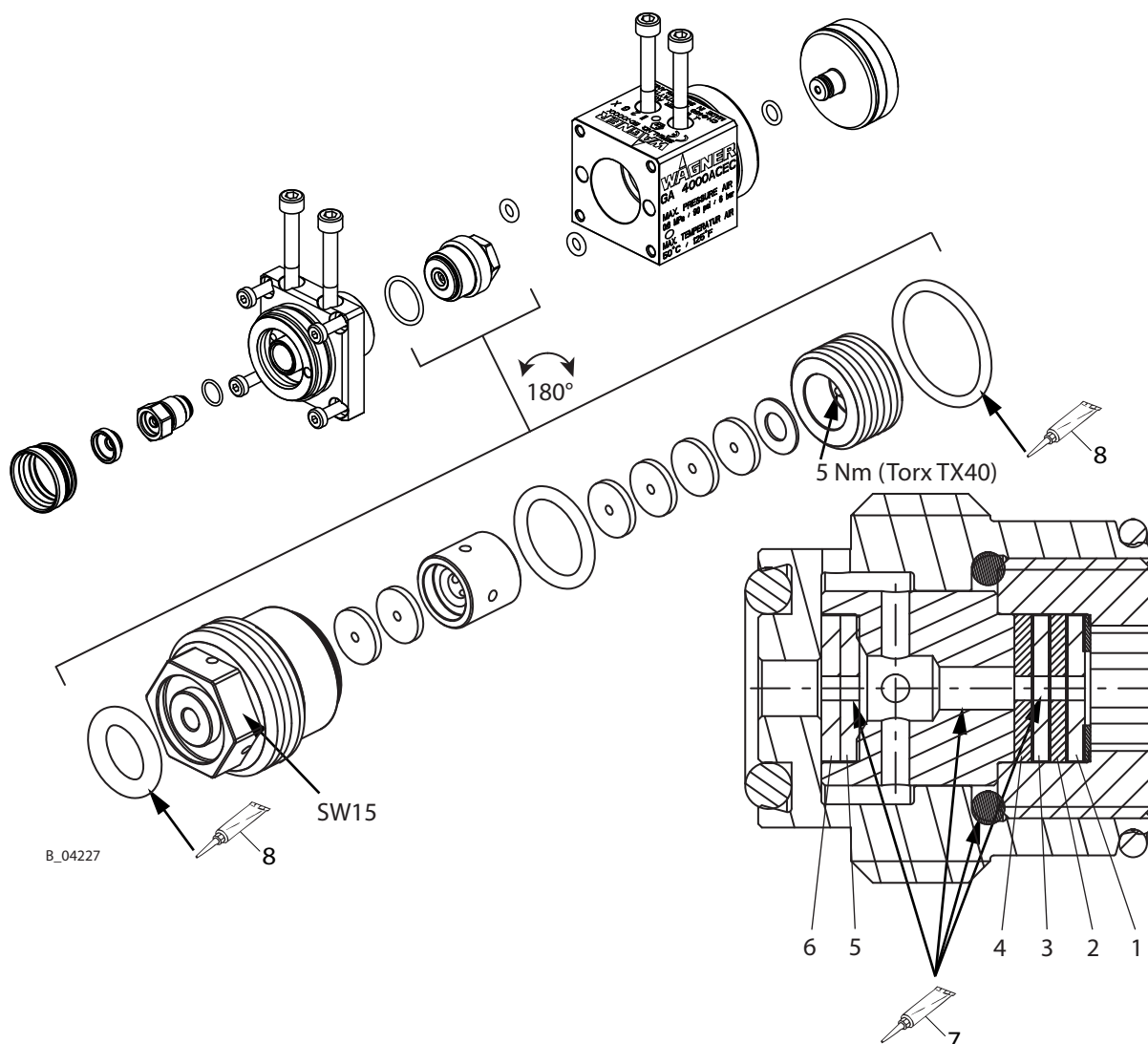
Stuck components can be pushed  
out with a drift  $\varnothing$  3 mm; 0.12 inch.

**Note:**

Pull out distributor seal (F) using  
pliers.

M5 wrench size 12 mm; 0.47  
inch



**10.3.2 PACKING INSERT GA 4000AC (RP)****Order of seals:**

1) Sealing set GA 4000 packing RP: Order No. 2339140

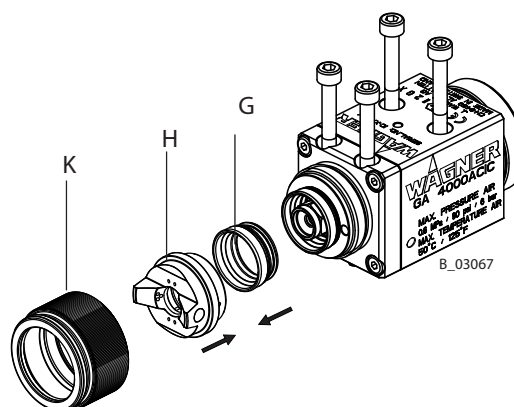
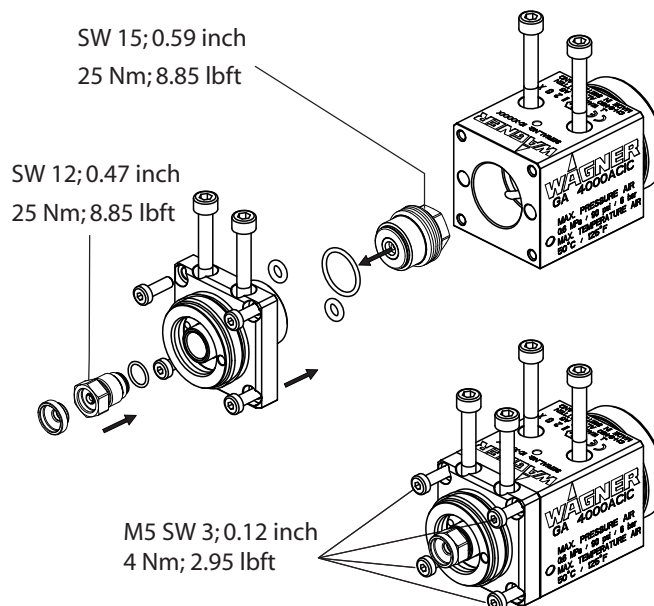
| Pos | Product              | Order No. | Order No. (set of 12 packings) |
|-----|----------------------|-----------|--------------------------------|
| 1   | PTFE + GF            | -         | 2339141                        |
| 2   | PE                   | -         | 2339142                        |
| 3   | PTFE + GF            | -         | 2339141                        |
| 4   | PE                   | -         | 2339142                        |
| 5   | PTFE + GF            | -         | 2339141                        |
| 6   | PTFE + GF            | -         | 2339141                        |
| 7   | Mobilux® EP 2 grease | 380924    | --                             |
| 8   | Vaseline white       | 9992698   | --                             |

2) Sealing set GA 4000 packing RP special: Order No. 2339810

| Pos | Product              | Order No. | Order No. (set of 12 packings) |
|-----|----------------------|-----------|--------------------------------|
| 1   | PTFE                 | -         | 2339143                        |
| 2   | PE                   | -         | 2339142                        |
| 3   | PTFE                 | -         | 2339143                        |
| 4   | PE                   | -         | 2339142                        |
| 5   | PTFE + GF            | -         | 2339141                        |
| 6   | PTFE + GF            | -         | 2339141                        |
| 7   | Mobilux® EP 2 grease | 380924    | --                             |
| 8   | Vaseline white       | 9992698   | --                             |

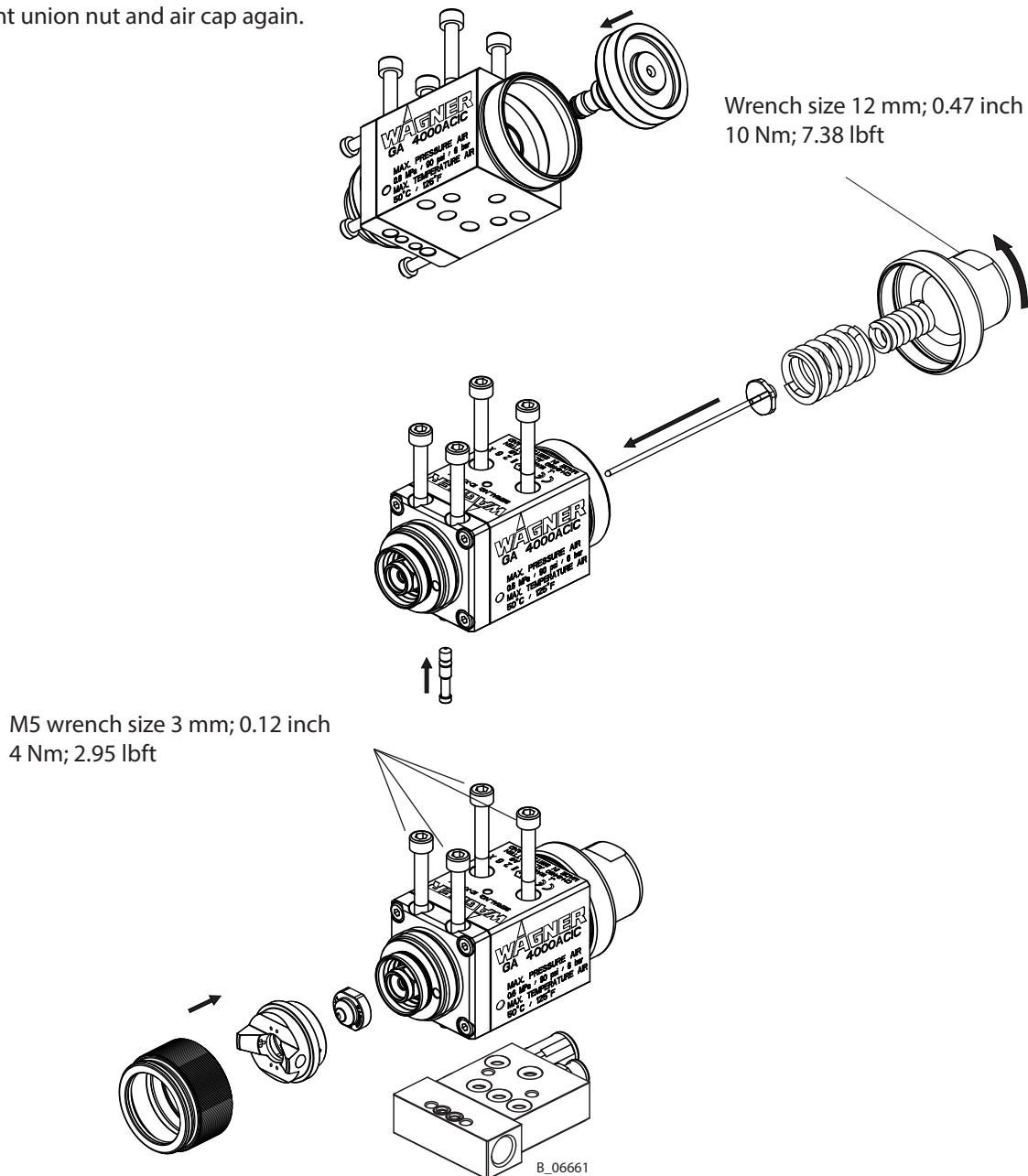
**10.3.3 ASSEMBLY OF GA 4000ACIC****General note:**

Lightly grease o-rings and sliding surfaces with Vaseline white PHV II.

**Note:**

Put distributor seal (G) on air cap (H) and place seal and air cap in gun housing. Screw union nut (K) in until the distributor seal ring catches in the groove (audible click).

Dismount union nut and air cap again.



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## **11 FUNCTION TEST AFTER REPAIR WORK**

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After all repair work, the spray gun must be checked for safe condition before recommissioning. The necessary scope of inspection and testing depends on the repair carried out and must be documented by the repair personnel.

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## **12 DISPOSAL**

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When the equipment must be scrapped, please differentiate the disposal of the waste materials.

The following materials have been used:

- Stainless steel
- Aluminum
- Elastomers
- Plastic
- Carbide

The consumable products (lacquers, adhesives, solvents) must be disposed of in accordance with the applicable specific standards.

## 13 ACCESSORIES

### 13.1 AIRCOAT NOZZLES ACF3000

| Order No. | Marking | Drilled hole Ø<br>inch; mm | Spray angle | Recommended gun filter         |                                      |                                        |          |
|-----------|---------|----------------------------|-------------|--------------------------------|--------------------------------------|----------------------------------------|----------|
|           |         |                            |             |                                | Recommended edge filter              |                                        |          |
|           |         |                            |             |                                |                                      | Application                            |          |
| 379107    | 07/10   | 0.007-0.18                 | 10°         | Red 200 mesh                   | 200 mesh                             | Natural lacquer                        |          |
| 379207    | 07/20   | 0.007-0.18                 | 20°         |                                |                                      | Clear lacquer<br>Oils                  |          |
| 379209    | 09/20   | 0.009-0.23                 | 20°         |                                |                                      |                                        |          |
| 379309    | 09/30   | 0.009-0.23                 | 30°         |                                |                                      |                                        |          |
| 379409    | 09/40   | 0.009-0.23                 | 40°         |                                |                                      |                                        |          |
| 379509    | 09/50   | 0.009-0.23                 | 50°         |                                |                                      | Synthetic resin lacquer<br>PVC lacquer |          |
| 379609    | 09/60   | 0.009-0.23                 | 60°         |                                |                                      |                                        |          |
| 379111    | 11/10   | 0.011-0.28                 | 10°         |                                |                                      |                                        |          |
| 379211    | 11/20   | 0.011-0.28                 | 20°         |                                |                                      |                                        |          |
| 379311    | 11/30   | 0.011-0.28                 | 30°         |                                |                                      | Yellow 100 mesh                        | 100 mesh |
| 379411    | 11/40   | 0.011-0.28                 | 40°         |                                |                                      |                                        |          |
| 379511    | 11/50   | 0.011-0.28                 | 50°         |                                |                                      |                                        |          |
| 379611    | 11/60   | 0.011-0.28                 | 60°         |                                |                                      |                                        |          |
| 379113    | 13/10   | 0.013-0.33                 | 10°         | Filler<br>Rust proofing paints |                                      |                                        |          |
| 379213    | 13/20   | 0.013-0.33                 | 20°         |                                |                                      |                                        |          |
| 379313    | 13/30   | 0.013-0.33                 | 30°         |                                |                                      |                                        |          |
| 379413    | 13/40   | 0.013-0.33                 | 40°         |                                |                                      |                                        |          |
| 379513    | 13/50   | 0.013-0.33                 | 50°         | 60 mesh                        | Rust proofing paints<br>Latex paints |                                        |          |
| 379613    | 13/60   | 0.013-0.33                 | 60°         |                                |                                      |                                        |          |
| 379813    | 13/80   | 0.013-0.33                 | 80°         |                                |                                      |                                        |          |
| 379115    | 15/10   | 0.015-0.38                 | 10°         |                                |                                      |                                        |          |
| 379215    | 15/20   | 0.015-0.38                 | 20°         |                                |                                      |                                        |          |
| 379315    | 15/30   | 0.015-0.38                 | 30°         |                                |                                      |                                        |          |
| 379415    | 15/40   | 0.015-0.38                 | 40°         |                                |                                      |                                        |          |
| 379515    | 15/50   | 0.015-0.38                 | 50°         |                                |                                      |                                        |          |
| 379615    | 15/60   | 0.015-0.38                 | 60°         |                                |                                      |                                        |          |
| 379815    | 15/80   | 0.015-0.38                 | 80°         |                                |                                      |                                        |          |
| 379217    | 17/20   | 0.017-0.43                 | 20°         |                                |                                      |                                        |          |
| 379317    | 17/30   | 0.017-0.43                 | 30°         |                                |                                      |                                        |          |
| 379417    | 17/40   | 0.017-0.43                 | 40°         |                                |                                      |                                        |          |
| 379517    | 17/50   | 0.017-0.43                 | 50°         |                                |                                      |                                        |          |
| 379617    | 17/60   | 0.017-0.43                 | 60°         |                                |                                      |                                        |          |
| 379817    | 17/80   | 0.017-0.43                 | 80°         |                                |                                      |                                        |          |



B\_00021

| Order No. | Marking | Drilled hole<br>inch, mm | Spray angle | Recommended gun filter |                                      |
|-----------|---------|--------------------------|-------------|------------------------|--------------------------------------|
|           |         |                          |             | 50 mesh                | Recommended edge filter              |
|           |         |                          |             |                        | Application                          |
| 379219    | 19/20   | 0.019-0.48               | 20°         | Yellow 100 mesh        | Rust proofing paints<br>Latex paints |
| 379319    | 19/30   | 0.019-0.48               | 30°         |                        |                                      |
| 379419    | 19/40   | 0.019-0.48               | 40°         |                        |                                      |
| 379519    | 19/50   | 0.019-0.48               | 50°         |                        |                                      |
| 379619    | 19/60   | 0.019-0.48               | 60°         |                        |                                      |
| 379819    | 19/80   | 0.019-0.48               | 80°         | White 50 mesh          | 60 mesh                              |
| 379221    | 21/20   | 0.021-0.53               | 20°         |                        |                                      |
| 379421    | 21/40   | 0.021-0.53               | 40°         |                        |                                      |
| 379521    | 21/50   | 0.021-0.53               | 50°         |                        |                                      |
| 379621    | 21/60   | 0.021-0.53               | 60°         |                        |                                      |
| 379821    | 21/80   | 0.021-0.53               | 80°         |                        |                                      |
| 379423    | 23/40   | 0.023-0.58               | 40°         |                        |                                      |
| 379623    | 23/60   | 0.023-0.58               | 60°         |                        |                                      |
| 379823    | 23/80   | 0.023-0.58               | 80°         |                        |                                      |
| 379425    | 25/40   | 0.025-0.64               | 40°         |                        |                                      |
| 379625    | 25/60   | 0.025-0.64               | 60°         |                        |                                      |
| 379825    | 25/80   | 0.025-0.64               | 80°         |                        |                                      |
| 379427    | 27/40   | 0.027-0.69               | 40°         |                        |                                      |
| 379627    | 27/60   | 0.027-0.69               | 60°         |                        |                                      |
| 379827    | 27/80   | 0.027-0.69               | 80°         |                        |                                      |
| 379429    | 29/40   | 0.029-0.75               | 40°         |                        |                                      |
| 379629    | 29/60   | 0.029-0.75               | 60°         |                        |                                      |
| 379829    | 29/80   | 0.029-0.75               | 80°         |                        |                                      |
| 379431    | 31/40   | 0.031-0.79               | 40°         |                        |                                      |
| 379531    | 31/60   | 0.031-0.79               | 60°         |                        |                                      |
| 379631    | 31/80   | 0.031-0.79               | 80°         |                        |                                      |
| 379435    | 35/40   | 0.035-0.90               | 40°         |                        |                                      |
| 379635    | 35/60   | 0.035-0.90               | 60°         |                        |                                      |
| 379835    | 35/80   | 0.035-0.90               | 80°         |                        |                                      |



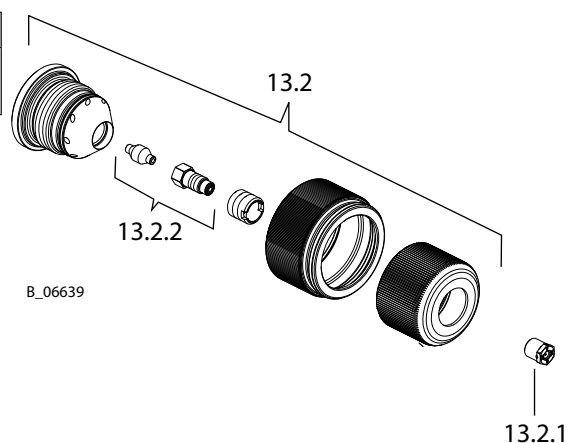
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**13.2 AIRCOAT NOZZLES ACF3000 S2 (4 PIECES)**

| Order No. | Marking  | Drilled hole $\varnothing$ inch; mm | Spray angle |
|-----------|----------|-------------------------------------|-------------|
| 2391811   | 9/40 S2  | 0.009; 0.23                         | 40°         |
| 2391809   | 11/10 S2 | 0.011; 0.28                         | 10°         |
| 2368877   | 11/20 S2 | 0.011; 0.28                         | 20°         |
| 2396188   | 11/30 S2 | 0.011; 0.28                         | 30°         |
| 2368879   | 11/40 S2 | 0.011; 0.28                         | 40°         |
| 2368896   | 11/60 S2 | 0.011; 0.28                         | 60°         |
| 2368876   | 11/80 S2 | 0.011; 0.28                         | 80°         |
| 2368880   | 13/40 S2 | 0.013; 0.33                         | 40°         |
| 2368897   | 13/60 S2 | 0.013; 0.33                         | 60°         |
| 2368898   | 13/80 S2 | 0.013; 0.33                         | 80°         |
| 2368899   | 15/60 S2 | 0.015; 0.38                         | 60°         |
| 2396189   | 17/80 S2 | 0.017; 0.43                         | 80°         |

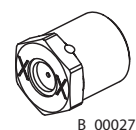
**13.3 ROUND JET NOZZLE ATTACHMENT**

| Order No. | Designation                                         |
|-----------|-----------------------------------------------------|
| 394180    | Round jet nozzle attachment (without nozzle insert) |



**13.3.1 RXX NOZZLE INSERTS**

| Order No. | Designation       | Marking | Jet Ø **          |
|-----------|-------------------|---------|-------------------|
| 132720    | Nozzle insert R11 | 11      | approx. 250; 9.84 |
| 132721    | Nozzle insert R12 | 12      | approx. 250; 9.84 |
| 132722    | Nozzle insert R13 | 13      | approx. 250; 9.84 |
| 132723    | Nozzle insert R14 | 14      | approx. 250; 9.84 |
| 132724    | Nozzle insert R15 | 15      | approx. 250; 9.84 |
| 132725    | Nozzle insert R16 | 16      | approx. 250; 9.84 |
| 132726    | Nozzle insert R17 | 17      | approx. 250; 9.84 |
| 132727    | Nozzle insert R18 | 18      | approx. 250; 9.84 |
| 132728    | Nozzle insert R19 | 19      | approx. 250; 9.84 |
| 132729    | Nozzle insert R20 | 20      | approx. 250; 9.84 |
| 132730    | Nozzle insert R21 | 21      | approx. 250; 9.84 |
| 132731    | Nozzle insert R22 | 22      | approx. 250; 9.84 |

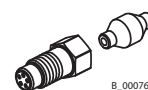


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\*\* Jet width in mm; inches at a distance of approx. 30 cm; 11.8 inches from the object and at a pressure of 10 MPa; 100 bar; 1450 psi, synthetic resin paint, 20 DIN4 seconds.

**13.3.2 NOZZLE SCREW JOINT, COMPLETE**

| Order No. | Designation                  |
|-----------|------------------------------|
| 132922    | Nozzle screw joint, complete |



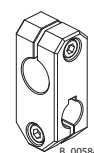
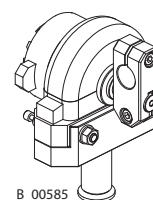
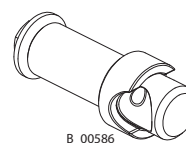
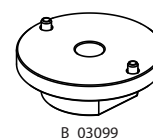
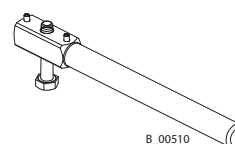
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**13.4 HOSES**

| Order No. | Designation                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------|
| 9984405   | High-pressure hose M16x1.5, 1 m; 3.28 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi    |
| 9984507   | High-pressure hose M16x1.5, 15 m; 98.4 ft, DN 6 mm; ID 0.24 inch, 27 MPa; 270 bar; 3916 psi   |
| 9984510   | High-pressure hose M16x1.5, 7.5 m; 24.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi  |
| 9984573   | High-pressure hose NPSM1/4", 7.5 m; 24.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi |
| 9984574   | High-pressure hose NPSM1/4"; 15 m; 98.4 ft, DN 6 mm; ID 0.24 inch, 27 MPa; 270 bar; 3916 psi  |
| 9982035   | Air hose, red, outer Ø 6 mm; 0.24 inch, inner Ø 4 mm; 0.16 inch, polyamide, per meter         |
| 9982061   | Air hose, blue, outer Ø 6 mm; 0.24 inch, inner Ø 4 mm; 0.16 inch, polyamide, per meter        |
| 9982033   | Air hose, green, outer Ø 6 mm; 0.24 inch, inner Ø 4 mm; 0.16 inch, polyamide, per meter       |
| 9982062   | Air hose, blue, outer Ø 8 mm; 0.32 inch, inner Ø 5.5 mm; 0.22 inch, polyamide, per meter      |

**13.5 MISCELLANEOUS**

| Order No. | Designation                                                         |
|-----------|---------------------------------------------------------------------|
| 9997001   | Nozzle cleaning brush                                               |
| 8612001   | Nozzle cleaning needle set, 12 pieces                               |
| 123446    | Double fitting M16x1.5 (for extension for product hose)             |
| 367560    | Double fitting NPSM 1/4" for product hose extension                 |
| 380941    | Standard mounting bracket, 180 mm; Ø 16 mm, 7.1 inches; Ø 0.63 inch |
| 2314079   | Cefla adapter plate                                                 |
| 380942    | Rotary gun holder (standard)                                        |
| 380945    | Rotary holder, 40/40/5                                              |
| 380943    | Complete swivel drive                                               |
| 380944    | Cross clamp for swivel drive                                        |



## 14 SPARE PARTS

### 14.1 HOW CAN SPARE PARTS BE ORDERED?

Always supply the following information to ensure delivery of the right spare part:

#### **Order number, designation and quantity**

The quantity need not be the same as the number given in the quantity column "**Stk**" on the list. This number merely indicates how many of the respective parts are used in each component.

The following information is also required to ensure smooth processing of your order:

- address for the invoice,
- address for delivery,
- name of the person to be contacted in the event of any queries,
- type of delivery (normal mail, express delivery, air freight, courier, etc.).

#### **Identification in spare parts lists.**

Explanation of column "**K**" (labeling) in the following spare parts lists:

- ◆ Wearing part

**Note:** These parts are not covered by warranty terms.

- Not part of standard equipment, available, however, as additional extra.

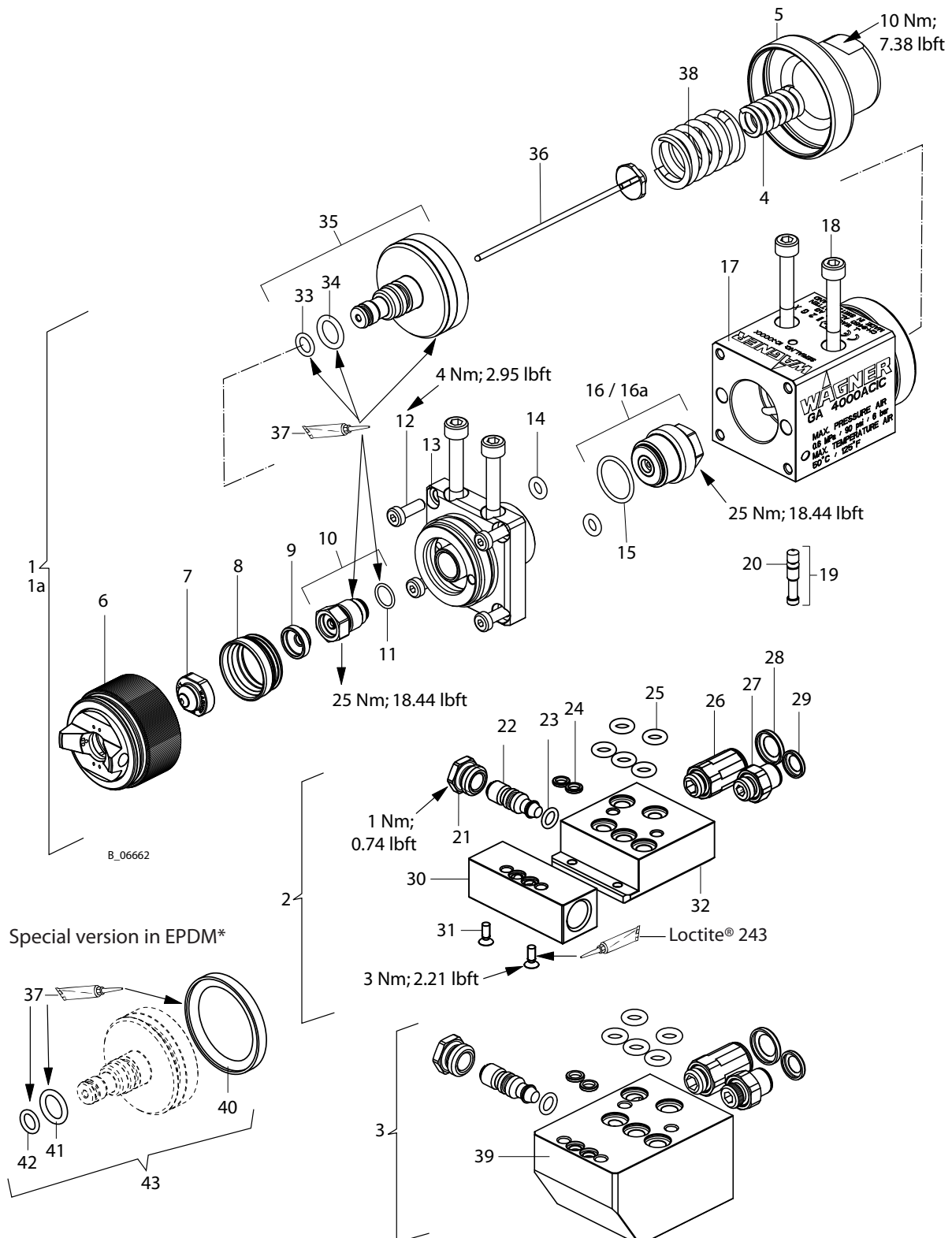
#### **DANGER**

##### **Incorrect maintenance/repair!**

Danger to life and equipment damage.

- Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts.
- Only repair and replace parts that are listed in the "Spare parts" chapter and that are assigned to the unit.
- Before all work on the device and in the event of work interruptions:
  - Switch off the energy and compressed air supply.
  - Relieve the pressure from the spray gun and device.
  - Secure the spray gun against actuation.
- Observe the operating and service manual for all work.



**14.2 SPARE PARTS LIST FOR GA 4000ACIC**

\* EPDM version suitable for UV lacquers and acetone

| Pos | K   | Stk | Order No. | Designation                                                                  |
|-----|-----|-----|-----------|------------------------------------------------------------------------------|
| 1   | ◆   | 1   | 2312132   | Spray gun body, GA 4000ACIC                                                  |
| 1a  | ◆   | 1   | 2338603   | Spray gun body, GA 4000ACIC (RP)                                             |
| 2   | ◆ ● | 1   | 2363386   | Base plate, GA 4000ACIC-S, complete                                          |
| 3   | ◆ ● | 1   | 2308810   | Base plate, GA 4000ACIC-R, complete                                          |
| 4   |     | 1   | 2309945   | Helical spring                                                               |
| 5   |     | 1   | 2314274   | End cap short                                                                |
| 6   | ●   | 1   | 2308808   | Air cap LV plus (red)                                                        |
| 6   | ●   | 1   | 2308809   | Air cap HV plus (blue)                                                       |
| 6   | ●   | 1   | 2313493   | Air cap LA plus (bronze)                                                     |
| 6   | ●   | 1   | 2340299   | Air cap LV plus (blank)                                                      |
| 7   | ●   | 1   | 379...    | AC nozzle                                                                    |
| 8   | ◆   | 1   | 394339    | Sealing ring                                                                 |
| 9   | ◆   | 1   | 364328    | Nozzle seal                                                                  |
| 10  | ◆   | 1   | 2314279   | Valve housing, complete                                                      |
| 11  | ◆   | 1   | 9974245   | O-ring                                                                       |
| 12  |     | 4   | 2307893   | Socket cap screw                                                             |
| 13  |     | 1   | 2314278   | Head piece                                                                   |
| 14  | ◆   | 2   | 9974153   | O-ring                                                                       |
| 15  | ◆   | 1   | 367528    | O-ring                                                                       |
| 16  | ◆   | 1   | 2313516   | Packing insert GA 4000AC (standard version, can only be replaced completely) |
| 16a | ◆   | 1   | 2338601   | Packing insert GA 4000AC (RP)                                                |
| 17  |     | 1   | 2314277   | Piston housing IC                                                            |
| 18  |     | 4   | 2308292   | Socket cap screw                                                             |
| 19  | ●   | 1   | 2310534   | Complete product channel lock pin                                            |
| 20  | ◆   | 1   | 2307873   | O-ring                                                                       |
| 21  |     | 1   | 2307739   | Mounting nut                                                                 |
| 22  |     | 1   | 2307868   | Round spray jet reduction                                                    |
| 23  | ◆   | 1   | 9971388   | O-ring                                                                       |
| 24  | ◆   | 2   | 2310473   | Sealing product                                                              |
| 25  | ◆   | 5   | 9974265   | O-ring                                                                       |
| 26  |     | 1   | 9998993   | Straight screw-in fitting                                                    |
| 27  |     | 1   | 9998090   | Straight screw-in fitting                                                    |
| 28  |     | 1   | 9998618   | Coding ring blue                                                             |
| 29  |     | 1   | 9998995   | Coding ring red                                                              |
| 30  |     | 1   | 2382911   | Product adapter plate                                                        |
| 31  |     | 2   | 2310556   | Hexagon socket countersunk head screw                                        |
| 32  |     | 1   | 2316367   | Adapter plate IC-S                                                           |
| 33  | ◆   | 1   | 248314    | O-ring                                                                       |
| 34  | ◆   | 1   | 9971025   | O-ring                                                                       |
| 35  | ◆   | 1   | 2314275   | IC piston, complete                                                          |
| 36  | ◆   | 1   | 2346098   | IC valve rod, complete                                                       |
| 37  | ●   | 1   | 9992698   | Vaseline white PHHV                                                          |
| 38  |     | 1   | 9998991   | Helical spring                                                               |

◆ = Wearing parts

-> For service sets, see Chapter [14.3](#).

● = Not part of the standard equipment but available as a special accessory

| Pos | K   | Stk | Order No. | Designation                  |
|-----|-----|-----|-----------|------------------------------|
| 39  |     | 1   | 2314242   | Base plate, GA 4000ACIC R    |
| 40  | ◆ ● | 1   | 2322531   | Piston seal EPDM             |
| 41  | ◆ ● | 1   | 2322530   | O-ring                       |
| 42  | ◆ ● | 1   | 9974179   | O-ring                       |
| 43  | ◆ ● | 1   | 2322532   | Seal set, GA 4000ACIC (EPDM) |

◆ = Wearing parts

-> For service sets, see Chapter [14.3](#).

● = Not part of the standard equipment but available as a special accessory

### 14.3 SERVICE SETS AND SPARE PARTS GROUPS

| Order No. | Designation                                    | Consisting of spare parts items |
|-----------|------------------------------------------------|---------------------------------|
| 2314353   | Service set - Spray gun body, GA 4000ACIC      | 8, 9, 11, 14, 16, 33, 34        |
| 2338657   | Service set - Spray gun body, GA 4000ACIC (RP) | 8, 9, 11, 14, 33, 34            |
| 2314355   | Service set - Base plate, GA 4000ACIC          | 23, 24, 25                      |
| 2322532   | Seal set, GA 4000ACIC (EPDM)                   | 40, 41, 42                      |

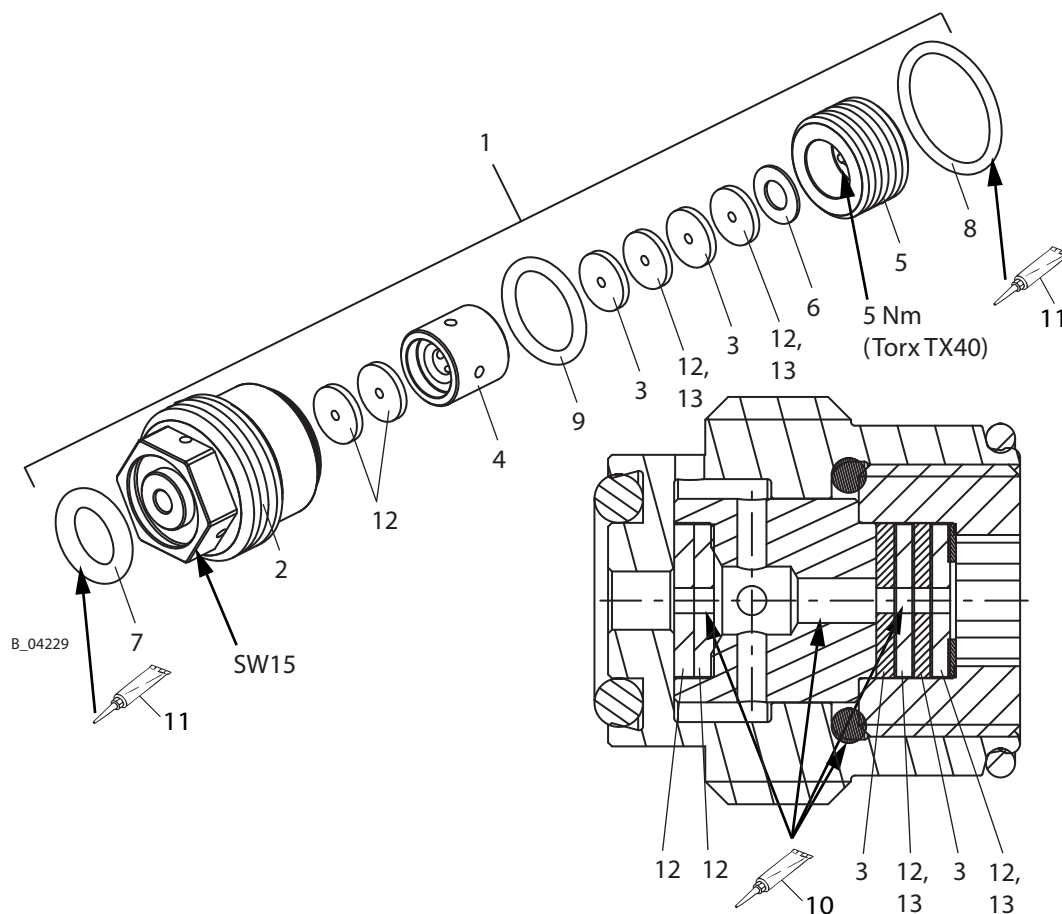
### 14.4 PACKING INSERT GA 4000AC (RP)

| Spare parts list |     |                                           |     |           | set of 12 packings |
|------------------|-----|-------------------------------------------|-----|-----------|--------------------|
| Pos              | K   | Designation                               | Stk | Order No. | Order No.          |
| 1                |     | Packing insert GA 4000AC (RP)             | 1   | 2338601   | --                 |
| 2                |     | Housing                                   | 1   | --        | --                 |
| 3                | ◆   | PE sealing washer                         | 2   | --        | 2339142            |
| 4                |     | Housing insert                            | 1   | --        | --                 |
| 5                |     | Housing screw                             | 1   | --        | --                 |
| 6                | ◆   | Pressure disk                             | 1   | 2338567   | --                 |
| 7                | ◆   | O-ring                                    | 1   | 9974196   | --                 |
| 8                | ◆   | O-ring                                    | 1   | 367528    | --                 |
| 9                | ◆   | O-ring                                    | 1   | 2338570   | --                 |
| 10               |     | Mobilux® EP 2 grease                      | 1   | 9998808   | --                 |
| 11               |     | Vaseline white, PHHV II                   | 1   | 9992698   | --                 |
| 12               | ◆   | PTFE + GF sealing washer                  | 4   | --        | 2339141            |
| 13               | ◆ ● | PTFE sealing washer                       | 2   | --        | 2339143            |
| 14               |     | Assembly manual for GA4000AC packing (RP) | 1   | 2338708   | --                 |

◆ = Wearing parts

-> For sealing sets, see Chapter [14.5](#).

● = Not part of the standard equipment but available as a special accessory.

**Packing insert****14.5 SEALING SET GA 4000 PACKING RP AND RP SPECIAL**

| Order No. | Designation                            | Consisting of spare parts items |
|-----------|----------------------------------------|---------------------------------|
| 2339140   | Sealing set GA 4000 packing RP         | 3, 6, 7, 8, 9, 12, 14           |
| 2339810   | Sealing set GA 4000 packing RP special | 3, 6, 7, 8, 9, 12, 13, 14       |

## 15 DECLARATION OF CONFORMITY

### 15.1 UK DECLARATION OF CONFORMITY

Herewith we declare that the supplied version of:

**GA 4000AC IC**

complies with the following guidelines:

|              |
|--------------|
| SI 2008/1597 |
| SI 2016/1107 |

Applied standards, in particular:

|                        |                         |
|------------------------|-------------------------|
| BS EN ISO 12100:2010   | BS EN ISO 80079-36:2016 |
| BS EN 1953:2013        |                         |
| BS EN ISO 13732-1:2008 |                         |
| BS EN 14462:2015       |                         |
| BS EN 1127-1:2019      |                         |

Applied national technical standards and specifications, in particular:

|    |  |
|----|--|
| -- |  |
|----|--|

**Identification:**



II 2 GT6 X

### UK Declaration of Conformity

The UK Declaration of Conformity is enclosed with this product. If needed, further copies can be ordered through your WAGNER dealer by specifying the product name and serial number.

**Order number:** 2315627



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#### United Kingdom

Wagner Spraytech (UK) Ltd.  
Innovation Centre  
Silverstone Park Silverstone

**NN12 8GX Northants**

Telefon +44 (0) 1327 368 410

E-Mail [enquiries@wagner-group.com](mailto:enquiries@wagner-group.com)

Order No. 2439562

Edition 05/2018

#### Germany

J. Wagner GmbH  
Otto-Lilienthal-Str. 18  
Postfach 1120

**88677 Markdorf**

Phone +49/ (0)7544 / 5050

Telefax +49/ (0)7544 / 505200

E-Mail [ts-liquid@wagner-group.com](mailto:ts-liquid@wagner-group.com)

#### Switzerland

Wagner International AG  
Industriestrasse 22

**9450 Altstätten**

Phone +41/ (0)71 / 757 2211

Telefax +41/ (0)71 / 757 2222

More contact addresses:

[www.wagner-group.com](http://www.wagner-group.com)

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