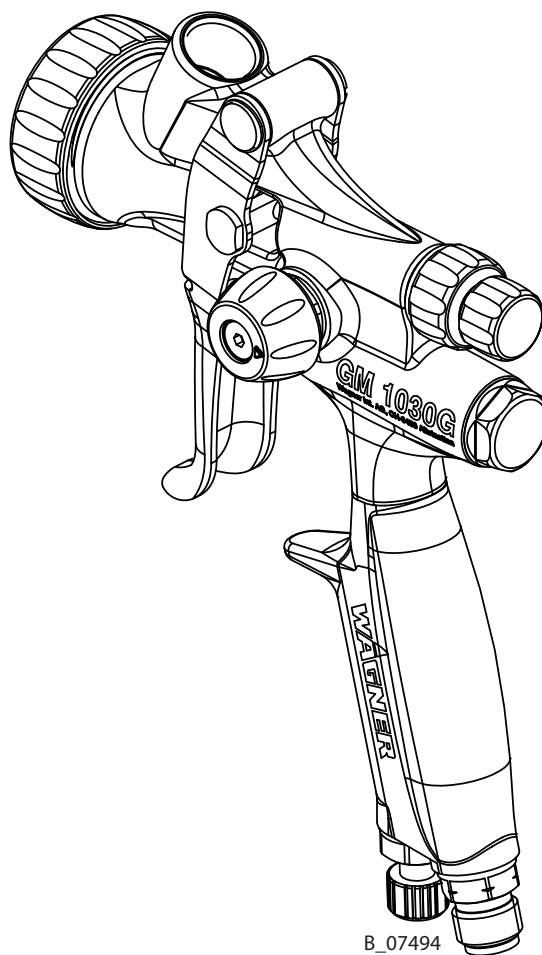




B_07494

Gravity feed spray gun

TOPFINISH GM 1030G

Translation of the Original Operating Manual

CE  II 2 G T85°C X

For professional use.

Always observe the information in this manual, particularly the safety instructions and the warning instructions. Store the manual in a safe place.

Edition: 11/2022

TABLE OF CONTENTS

1	About these Instructions	5
1.1	Preface	5
1.2	Warnings, Notices and Symbols in these Instructions	5
1.3	Languages	5
1.4	Abbreviations	6
1.5	Terminology for the Purpose of this Manual	6
2	Using in Accordance with the Instructions	7
2.1	Device type	7
2.2	Type of Use	7
2.3	For Use in Potentially Explosive Areas	7
2.4	Processible Working Materials	7
2.5	Misuse	7
3	Identification	8
3.1	Explosion Protection Identification	8
3.2	Identification "X"	8
3.3	Type Plate	9
4	Basic Safety Instructions	10
4.1	Safety Instructions for the Operator	10
4.2	A Safe Work Environment	10
4.3	Personnel Qualifications	10
4.4	Safety Instructions for the Personnel	11
4.5	Personal Safety Equipment	11
4.6	Safe Handling of WAGNER Spray Devices	11
4.7	Grounding the Device	12
4.8	Cleaning and Flushing	12
4.9	Maintenance and Repair	13
4.10	Protective and Monitoring Equipment	13
5	Description	14
5.1	Components	14
5.2	Functioning	14
5.3	Standard Equipment	15
5.4	Data	15
5.4.1	Materials of the Parts Transporting Paint	15
5.4.2	Technical data	15
5.4.3	Dimensions and Connections	15
5.4.4	Air flow	16
6	Assembly and Commissioning	17
6.1	Training of Assembly/Commissioning Personnel	17
6.2	Storage conditions	17
6.3	Installation Conditions	17
6.4	Installation and connection	17
6.4.1	Ventilation of the Spray Booth	17
6.4.2	Air Supply Lines	17
6.4.3	Product Supply Lines	18
6.5	Safety Checks	18
6.6	Lacquer Preparations	18
6.7	Start up	18
6.7.1	Procedure	18

6.7.2	Verifying a Safe Operational Condition	18
7	Operation	19
7.1	Training the Operating Personnel	19
7.2	Tasks	19
7.2.1	Starting to Spray with the Airspray	19
7.3	Adjusting the Spray Pattern	19
7.3.1	Adjusting Spray Pattern	20
7.3.2	Setting the Product Flow Rate	21
7.4	Pressure Relief / Work Interruption	21
7.5	Cleaning the Nozzle and Eliminating Nozzle Clogging	22
8	Cleaning and Maintenance	23
8.1	Cleaning	23
8.1.1	Safety Instructions	23
8.1.2	Cleaning Personnel	23
8.1.3	Flushing and Cleaning the Spray Gun	23
8.2	Maintenance	23
8.2.1	Maintenance Personnel	23
8.2.2	Safety instructions	24
8.2.3	Safety Checks and Maintenance Intervals	24
8.2.4	Replacing the Air Hose	25
9	Troubleshooting and rectification	27
10	Repairs	28
10.1	Repair Personnel	28
10.2	Repair notes	28
10.3	Tools	28
10.4	Replacing the Needle Packing	29
10.5	Changing the Air Valve	30
10.6	Changing Shaping Air Regulator	31
10.7	Tightening Nozzle Nut	31
10.8	Replacing Nozzle or Needle	32
11	Function Test	33
12	Disposal	34
13	Accessories	35
13.1	Air caps	35
13.2	Nozzles and Needles	35
13.3	Nozzles	35
13.4	Additional accessories	36
14	Spare Parts	38
14.1	How to Order Spare Parts	38
14.2	Spare Parts List for Topfinish GM 1030G	39
15	Declaration of Conformity	41
15.1	EU Declaration of Conformity	41

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 danger. Non-observance may result in death or serious injury.
	CAUTION	Potentially dangerous situation. Non-observance may result in minor injury.
	NOTICE	Potentially dangerous situation. Non-observance may result in damage to property.
	Info	Provides information about particular characteristics and how to proceed.

Explanation of warning notice:

WARNING

This notice warns you of a danger!

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:

Original operating manual

Language	Order no.
German	2423106

Translation of the original operating manual

Language	Order no.	Language	Order no.
English	2426144	Spanish	2426147
French	2426146	Russian	2426148
Italian	2426145	Chinese	2426149

Additional languages upon request or at: 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
LV	Low viscosity
HV	High viscosity
LA	Low Air
GM	Manual gun

1.5 TERMINOLOGY FOR THE PURPOSE OF THIS MANUAL

Cleaning

Cleaning	Manual cleaning of devices and device parts with cleaning agent.
Flushing	Internal flushing of paint-wetted parts with flushing agent.
Product pressure generator	Pump or pressure tank.

Personnel qualifications

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 in accordance with TRBS 1203 (2010/Revision 2012)	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 USING IN ACCORDANCE WITH THE INSTRUCTIONS

2.1 DEVICE TYPE

Manual gun for manually coating work pieces:

Topfinish GM 1030G

2.2 TYPE OF USE

The spray gun is suitable for atomizing liquid products, particularly coating products, using the Airspray process:

- Non-ignitable products.
- Ignitable products.

WAGNER explicitly prohibits any other use!

The device may only be operated under the following conditions:

- ▶ Use the device only to work with the materials recommended by WAGNER.
- ▶ 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 in Directive 2014/34/EU (ATEX), (see Explosion protection Identification [▶▶ 8]).



2.4 PROCESSIBLE WORKING MATERIALS

Lacquers and paints, greases, oils and corrosion inhibitor, glue, ceramic glazes, stains. If you want to spray working materials other than the aforementioned, contact a WAGNER representative.

Info

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:

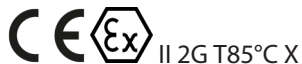
- ▶ No dry coating products, e.g., powder are processed.
- ▶ No food, medicine or cosmetics are processed. It is important to note that the device's materials are not food-safe.

3 IDENTIFICATION

3.1 EXPLOSION PROTECTION IDENTIFICATION

As defined in Directive 2014/34/EU (ATEX), the device is suitable for use in potentially explosive areas.

Device type	Airspray manual gun Topfinish GM 1030G
Manufacturer	Wagner International AG 9450 Altstätten Switzerland



CE	European Communities
Ex	Symbol for explosion protection
II	Device class II
2	Category 2 (zone 1)
G	Ex-atmosphere gas
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 Chapter Technical data [►► 15].

Safe Handling of WAGNER Spray Devices

Mechanical sparks can form if the device comes into contact with metal. In an explosive atmosphere:

- ▶ knocking or pushing metal against metal is to be avoided;
- ▶ Do not drop the device.

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.

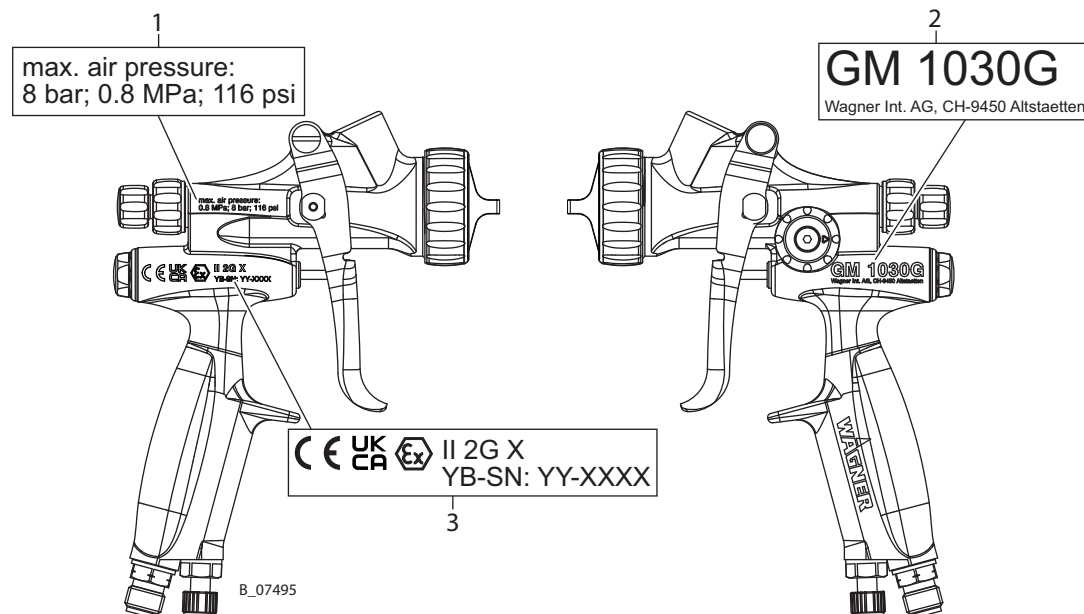
Cleaning

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

1. Remove deposits from the surfaces to maintain conductivity.
2. Use only a damp cloth to clean the device.



3.3 TYPE PLATE



Pos	Designation
1	Maximum air inlet pressure
2	Spray gun model and manufacturer
3	Explosion protection identification and year of manufacture serial number (YB-SN)

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 existing regulations concerning occupational safety and accident prevention regulations.



4.2 A SAFE WORK ENVIRONMENT

Danger due to dangerous fluids or vapors!

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

- ▶ Ensure that the floor in the working area is static dissipative in accordance with EN 1081:2018+A1:2020 or 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 hoses/air hoses adapted to the working pressure are used.
- ▶ Ensure that personal protective equipment is available and is used.
- ▶ Make sure that all people within the work area wear static dissipative shoes. Footwear must comply with EN 20344. The measured insulation resistance must not exceed 100 MΩ.
- ▶ Ensure that during spraying, persons wear static dissipative gloves. The grounding takes place via the spray gun's handle or its trigger.
- ▶ Protective clothing, including gloves, must comply with EN 1149-5. 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. Do not smoke.
- ▶ Ensure that the pipe joints, hoses, equipment parts and connections are permanently, technically leak-proof:
 - ▶ Periodic preventative maintenance and service (replacing hoses, checking tightness strength 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.
- ▶ Ensure that maintenance and safety checks are performed regularly.
- ▶ In the event of defects, immediately bring the device or system to a stop and arrange to have repairs carried out immediately.



4.3 PERSONNEL QUALIFICATIONS

Danger 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.

4.4 SAFETY INSTRUCTIONS FOR THE PERSONNEL

- ▶ Always observe the information in this manual, particularly the safety instructions and the warning instructions.
- ▶ Always follow existing regulations concerning occupational safety and accident prevention regulations.



Danger due to high-voltage field!

Danger to life from malfunction of active implants.

- ▶ Persons belonging to a risk group according to EMF guideline 2013/35/EU (e.g., carriers of active implants), must not enter the high-voltage area.



4.5 PERSONAL SAFETY EQUIPMENT

Danger 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.
- ▶ Implement the prescribed safety measures, in particular the wearing of safety glasses, safety clothing and protective gloves as well as the use of protective hand cream.
- ▶ 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.



4.6 SAFE HANDLING OF WAGNER SPRAY DEVICES

Danger 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.
- ▶ Perform the following measures 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 chapter on troubleshooting and rectification.
- ▶ If needed, the liquid ejection devices must be checked by experts (e.g., WAGNER service technician) at least every 12 months for their work-safe condition in accordance with DGUV regulation 100-500 chapter 2.29 and chapter 2.36.



- ▶ For shut down devices, the examination can be suspended until the next start-up.

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.

Danger due to recoil forces!

Actuating the trigger can cause strong recoil forces. Thereby, the user can lose his balance and injure himself when falling.

Avoid risk of injury from recoil forces:

- ▶ Ensure that you have firm footing when operating the spray gun.



4.7 GROUNDING THE DEVICE

Danger due to electrostatic charge!

Risk of injury, 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.
- ▶ Make sure that the ground and potential equalization of all system parts are performed reliably and continuously and can withstand the expected stress (e.g., mechanical stress, corrosion).
- ▶ Earth the workpieces being painted.
- ▶ Ensure that all persons inside the working area are grounded, e.g., that they are wearing static dissipative shoes.
- ▶ Wear static dissipative gloves when spraying. The grounding takes place via the spray gun's handle or its trigger.



4.8 CLEANING AND FLUSHING

Danger due to cleaning and flushing!

Explosion hazard and damage to the device.

- ▶ Non-ignitable cleaning agents and flushing agents should preferably be used.
- ▶ 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.
- ▶ Never use chloride or halogenated solvents (such as trichloroethane and methylene chloride) with devices containing aluminium or galvanized/zinc-plated parts. They may react chemically thus producing an explosion danger.
- ▶ Take measures for workplace safety.
- ▶ It should be noted that when the device is put into operation or emptied: depending on the coating product used, depending on the rinsing agent (solvent) used, there may briefly be a mixture inside the pipes and equipment which can ignite.
- ▶ Only use electrically conductive tanks for cleaning and flushing agents.



- ▶ The tanks must be grounded.

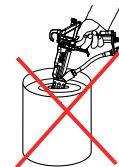
An explosive gas/air mixture forms in closed tanks.

- ▶ 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 electric component is cleaned with or immersed into solvent.



4.9 MAINTENANCE AND REPAIR

Danger 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.
- ▶ Repair or replacement of devices or parts of devices are only allowed to be performed outside the hazard area by qualified personnel.
- ▶ Use only WAGNER original spare parts and accessories.
- ▶ Do not change or modify the device; if change is necessary, contact WAGNER.
- ▶ Only repair and replace parts that are listed in the chapters Accessories [▶▶ 35] and Spare Parts [▶▶ 38] and that are assigned to the device.
- ▶ Do not use any defective components.
- ▶ Before all work on the device and in the event of work interruptions:
 - ▶ Relieve the pressure from the spray gun, product hoses and all devices.
 - ▶ Secure the spray gun against actuation.
 - ▶ Switch off the energy and compressed air supply.
 - ▶ Disconnect the control unit from the mains.
- ▶ Observe the operating and service manual for all work.

4.10 PROTECTIVE AND MONITORING EQUIPMENT

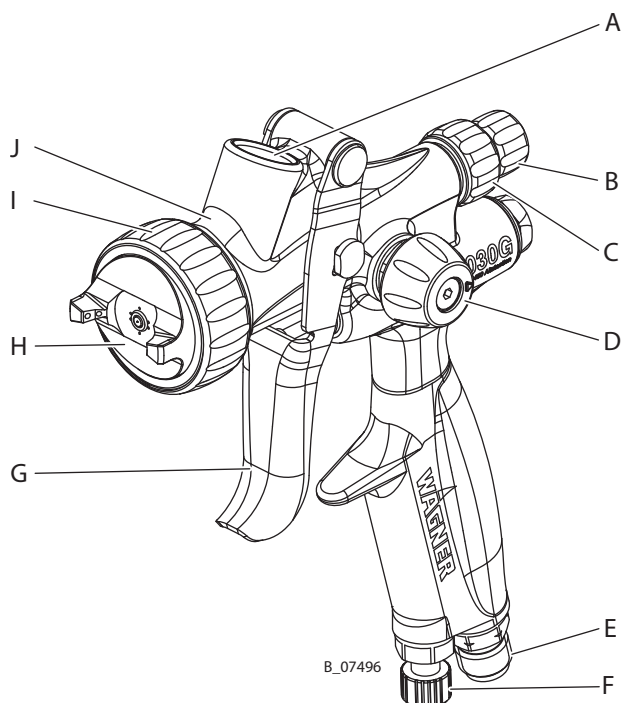
Danger due to removal of protective and monitoring equipment!

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	Cup receptacle
B	Needle stroke regulator
C	Needle stroke regulator lock
D	Shaping air adjustment
E	Air connection
F	Air regulation
G	Trigger
H	Nozzle / air cap
I	Air cap nut
J	Spray gun housing

5.2 FUNCTIONING

When pressing the trigger (G), first the atomizing air is released and then the material needle is retracted. In this way, the spray product moves through the nozzle (H) to the workpiece surface to be coated. The closing of the spray gun takes place in the reverse order. The product flow rate is dependent on the diameter of the nozzle (H) and the setting of the product pressure on the pressure vessel or product pressure regulator. The spray pattern is adjusted optimally to suit the object being sprayed using the shaping air regulator (D). The flow rate can be regulated by rotating the needle stroke regulator (B) and this setting can be fixed using the needle stroke regulator lock (C). The air supply is regulated using the air regulator (F).

5.3 STANDARD EQUIPMENT

Stk	Order no.	Designation
1	2426136	Declaration of Conformity
1	2423106	Operating manual, in German
1	see Chapter 1.3	Operating manual in local language

For special versions the delivery note applies.

5.4 DATA

5.4.1 Materials of the Parts Transporting Paint

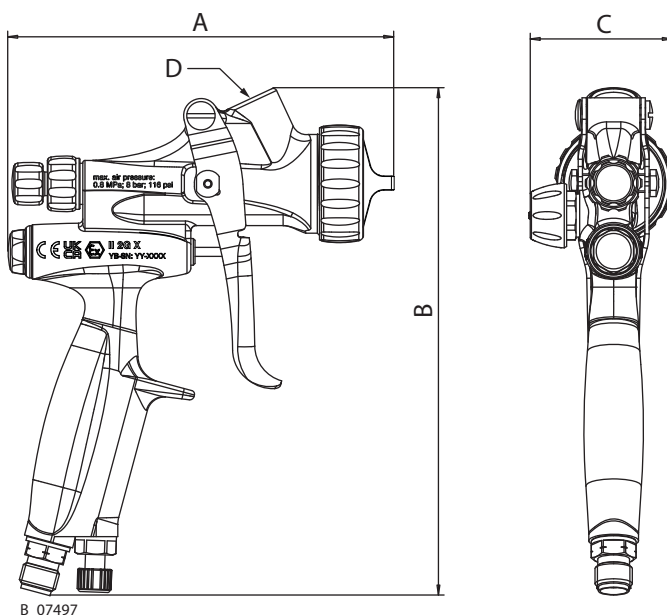
Metals	Plastics
Stainless steel 1.4305	PE-UHMW

5.4.2 Technical data

Description	Units	Value
Maximum air inlet pressure	bar; MPa; psi	8; 0.8; 116 recommended: 2; 0.2; 29
Cup connection	inch	M16x1.5
Air connection	inch	G1/4"
Weight	g; oz	419; 14.8
pH range of the product	pH	3.5–9.0
Maximum product temperature	°C; °F	40; 104
Operating temperature	°C; °F	5–40; 41–104
Sound level at 0.3 MPa; 3 bar; 43.5 psi air pressure and 0.3 MPa; 3 bar; 43.5 psi product pressure *	dB(A)	84.1

* A-rated emission sound pressure level measured at 1 m distance, LpA 1 m, according to DIN EN 14462:2015.

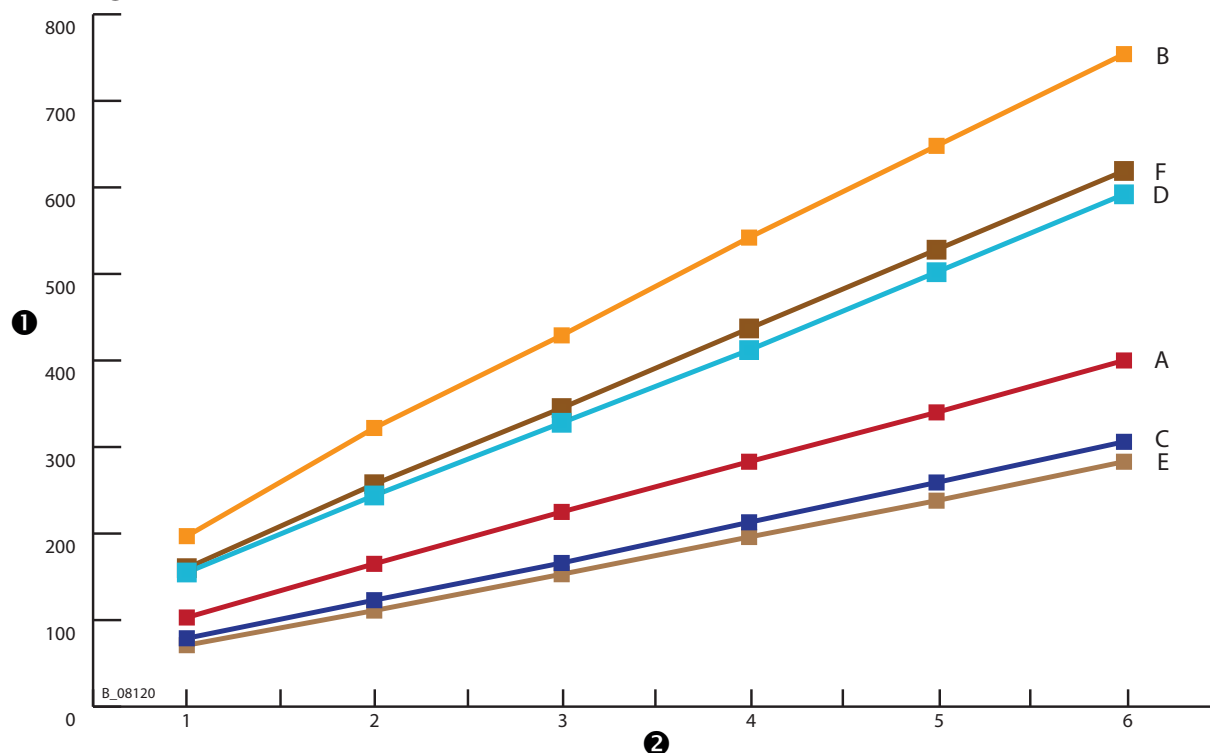
5.4.3 Dimensions and Connections



Dimensions	
Pos	mm; inch
A	130; 5.12
B	180; 7.09
C	50; 1.97
D	M16

5.4.4 Air flow

Flow diagram



1 Air flow in nl/min		2 Gun inlet pressure in bar					
Inlet pressure (MPa; bar; psi)		0.1; 1; 14.5	0.2; 2; 29.0	0.3; 3; 43.5	0.4; 4; 58.0	0.5; 5; 72.5	0.6; 6; 87.0
HVLP, round	A	103	165	225	283	340	400
HVLP, flat	B	197	322	429	542	648	754
HVLP+, round	C	79	123	166	213	259	306
HVLP+, flat	D	155	244	328	412	502	592
Convention, round	E	71	111	153	196	238	283
Convention, flat	F	160	257	345	437	528	619

Information on air flow in nl/min with an inlet pressure between 0.1; 1; 14.5 and 0.6; 6; 87.0 (MPa; bar; psi).

6 ASSEMBLY AND COMMISSIONING

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 assembled 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 4 °C and 40 °C; 39 °F and 104 °F.

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

6.4 INSTALLATION AND CONNECTION

The Airspray manual gun Topfinish GM 1030G must be supplemented with various components to make up a spraying system. The system shown in the figure is only one example of an Airspray 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 Ventilation of the Spray Booth

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

6.4.2 Air Supply Lines

WARNING

Hose connections!

Risk of injury and damage to the device.

- ▶ Do not mix up hose connections of product hose and air hose.
- ▶ 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.



6.4.3 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 before commissioning.

6.5 SAFETY CHECKS

- ▶ Carry out safety checks in accordance with Safety checks and maintenance intervals chapter.

6.6 LACQUER PREPARATIONS

The viscosity of the lacquer is of great importance.

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

6.7 START UP

! 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 before commissioning.

6.7.1 Procedure

1. Attach product tank to spray gun.
2. Connect air hose to spray gun and to oil-free, dry air supply.
3. Fit air cap over nozzle.
4. Screw on air cap nut and tighten by hand.
Visually check the permissible pressures for all the system components.
5. Make sure that the device and all other conductive parts within the work area are grounded.
6. Pull the trigger and check whether the spray gun closes correctly upon release.
7. Relieve the pressure from the spray gun and device.

6.7.2 Verifying a Safe Operational Condition

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

This includes:

- Safety checks in accordance with Safety checks and maintenance intervals chapter.
- Function test, in accordance with Function test chapter, after repair work.

7 OPERATION

7.1 TRAINING THE OPERATING PERSONNEL

- The operating personnel must be qualified to operate the entire system.
- The operating staff 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

Ensure that:

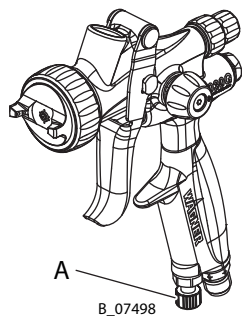
1. the regular safety checks are carried out in accordance with Chapter Safety Checks and Maintenance Intervals [►► 24],
2. commissioning is carried out in accordance with Chapter Start Up.

7.2.1 Starting to Spray with the Airspray

1. Set air pressure regulator to approx. 0.1 to 0.4 MPa; 1 to 4 bar; 14.5 to 58 psi.
2. Open air regulation (A) below on the gun.
3. Spray on a test object (pull trigger).
4. Adjust the product pressure and air pressure in accordance with the nozzle and object.
5. Use the shaping air controller on the spray gun to adjust the shaping air to atomizing air ratio, until the optimal spray pattern is achieved.

Note:

Repeat points 4 and 6 until the optimum spray pattern is reached (iterative process).

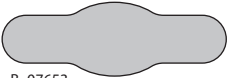
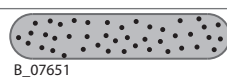


7.3 ADJUSTING THE SPRAY PATTERN

Desired spraying result



Rectifying defects in a spray pattern

Spray pattern	Deviation	Required setting
 B_07653	Spray pattern is too wide in the middle	Set a wider spray shape
 B_07652	Spray pattern is too wide on the ends	Set a rounder spray shape
 B_07651	Spray pattern has very coarse droplet distribution	Increase the atomizing air pressure
 B_07654	Material application is very thin in the middle of the spray pattern	Reduce the atomizing air pressure
 B_07655	The spray pattern is divided in the middle	Increase the nozzle diameter Reduce the atomizing air pressure Increase product pressure
 B_07656	Spray patter is too round	Reduce product pressure Increase the atomizing air pressure

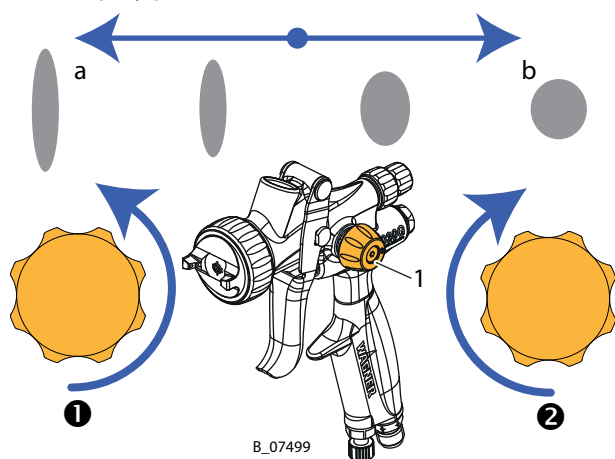
Note:

The flow rate can be changed by:

- changing the product pressure or limiting the needle stroke.
- use of another nozzle (see Chapter Replacing Nozzle or Needle [►► 32], Nozzles and Needles [►► 35] and Nozzles [►► 35]).

7.3.1 Adjusting Spray Pattern

The spray pattern can be optimally adjusted to suit the object being sprayed using the shaping air regulator (1). The illustration shows the influence of the shaping air regulator (1) on the spray pattern.



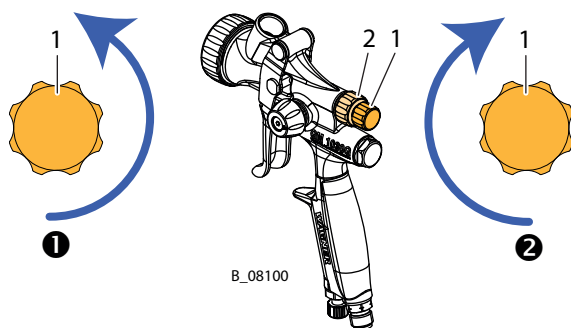
1	Opening the shaping air regulator	2	Closing the shaping air regulator
---	-----------------------------------	---	-----------------------------------

Pos	Description
a	If the shaping air regulator (1) is rotated counterclockwise, the spray pattern is widened and increasingly oval shaped.
b	If the shaping air regulator (1) is rotated clockwise, the spray pattern is narrowed and increasingly round.

7.3.2 Setting the Product Flow Rate

The flow rate can be adjusted by screwing the needle stroke regulator (1) in or out. The flow rate is increased by rotating it in a counterclockwise direction and is decreased by rotating it in a clockwise direction. If the desired flow rate is reached, the needle stroke regulator (1) can be fixed using the lock (2), to prevent adjustments.

Note: the desired flow rate is primarily to be specified by selecting the corresponding nozzle. The needle stroke regulator (1) only serves to make fine adjustments.



1	More product	2	Less product
---	--------------	---	--------------

7.4 PRESSURE RELIEF / WORK INTERRUPTION

The pressure must always be relieved:

- after the spraying tasks are finished,
- before servicing or repairing the spraying system,
- before carrying out cleaning tasks on the spraying system,
- before moving the spraying system to another location,
- before something must be checked on the spraying system,
- before the nozzle, needle or filter is removed on the spray gun.

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

- air cock with pressure relief hole mounted between compressed air source and pneumatic pump.
- outlet equipment (return valve) mounted between pump and spray gun.

Pressure relief procedure

1. Close the spray gun.
2. Relieve the air pressure in the product pressure generator in accordance with the respective operating manual.
3. Point the spray gun into the grounded metal tank for return product.
4. Open spray gun to relieve the pressure. Avoid splashback.
5. When no further overpressure is detected, close the spray gun.
 - In the case of a clogged nozzle, proceed in accordance with Chapter Cleaning the Nozzle and Eliminating Nozzle Clogging [» 22].

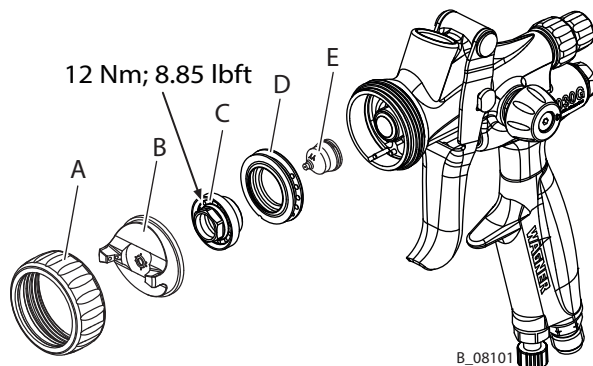
7.5 CLEANING THE NOZZLE AND ELIMINATING NOZZLE CLOGGING

! NOTICE

Defective Airspray Nozzle!

Change nozzle in case of leaking.

- ▶ Do not use sharp-edged objects on the Airspray nozzle.



Note: The Airspray nozzle and the needle are normally always changed at the same time! For more information, also see Chapter Replacing Nozzle or Needle [▶▶ 32]. Only loosen and tighten nozzle with the trigger pulled.

1. Relieve the pressure of the spray gun.
2. Unscrew air cap nut (A).
3. Remove air cap (B).
4. Unscrew nozzle nut (C) with a size 13 wrench, remove air control ring (D) and Airspray nozzle (E).
5. Treat nozzle nut (C) and Airspray nozzle (E) with cleaning agent until all the remaining paint has been dissolved (in case of stubborn soiling, leave them in cleaning agent for a longer period of time).
6. Insert Airspray nozzle (E) in nozzle nut (C). Insert air control ring (D) in spray gun and mount nozzle nut (C) on spray gun with size 13 wrench and tighten it with 12 Nm, 8.85 lbft.
7. Fit air cap (B) on nozzle nut (C).
8. Fit the the air cap nut (A) and tighten by hand.

8 CLEANING AND MAINTENANCE

8.1 CLEANING

8.1.1 Safety Instructions

WARNING

Incompatibility of cleaning/flushing agent and working medium!

Risk of explosion and danger of poisoning by toxic gases.

- ▶ Examine the compatibility of the flushing and cleaning agents and working media on the basis of the safety data sheets.



8.1.2 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.

8.1.3 Flushing and Cleaning the Spray Gun

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. Visual check: personal safety equipment, grounding and all devices ready to use.
2. Relieve the pressure of the spray gun according to Chapter Pressure Relief / Work Interruption [▶ 21].
3. Close air pressure regulator.
4. Dismount air cap and clean separately (see Chapter Cleaning the Nozzle and Eliminating Nozzle Clogging [▶ 22]).
5. Point the spray gun into the grounded metal tank for return product.
6. Thoroughly rinse out the spray gun with flushing agent.
7. Relieve the pressure of the spray gun according to Chapter Pressure Relief / Work Interruption [▶ 21].
8. Clean the gun body with a cleaning agent recommended by the lacquer manufacturer.
9. Switch on compressed air supply and open air pressure regulator.
10. Press the trigger of the spray gun and thoroughly blow out the air passages.
11. Close the compressed air supply.
12. Dry with a cloth.
13. Dispose of the contents of the tank for return product according to the local regulations.

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

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

8.2.2 Safety 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.
- ▶ Use only WAGNER original spare parts and accessories.
- ▶ Only repair and replace parts that are listed in the spare parts chapter and that are assigned to the device.
- ▶ Before all work on the device and in the event of work interruptions:
 - ▶ Relieve the pressure from the spray gun, product hoses and all devices.
 - ▶ Secure the spray gun against actuation.
 - ▶ Switch off the energy and compressed air supply.
 - ▶ Disconnect the control unit from the mains.
- ▶ Observe the operating and service manual for all work.



Prior to maintenance

- ▶ Flush and clean the system.

After maintenance

1. Carry out safety checks.
2. Put the system into operation and check for leaks.
3. Perform function test.
4. Have the system checked for safe condition by a skilled person.

8.2.3 Safety Checks and Maintenance Intervals

Every day

- ▶ Check grounding: see Chapter Grounding.
- ▶ Check hoses, tubes and couplings: see Chapter Replacing the Air Hose [▶▶ 25].
- ▶ Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [▶▶ 23].

Weekly

- ▶ Check spray guns for damage.

Yearly or as required

1. In accordance with DGUV regulation 100-500, Chapters 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 least every 12 months.

- ▶ For shut down devices, the examination can be suspended until the next start-up.

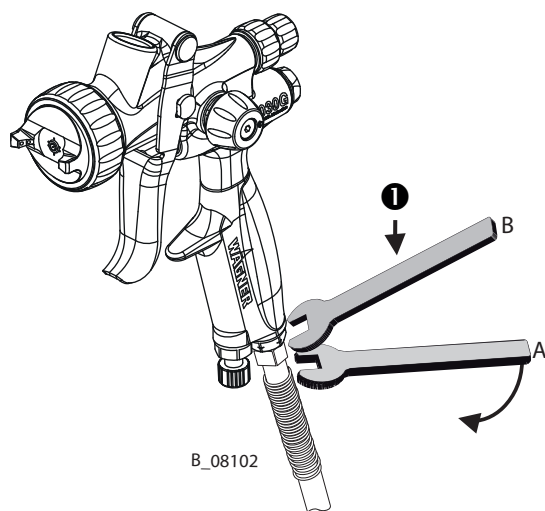
8.2.3.1 Product Hoses, Pipes and Couplings

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

1. Check hoses, pipes, and couplings every day and replace if necessary.
2. Before every commissioning, check all connections for leaks.
3. 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.
4. Replace the complete hose if one of the following two periods is exceeded:
 - ▶ 6 years from the date of the hose crimping (see fitting embossing).
 - ▶ 10 years from the date of the hose imprinting.

Fitting embossing (if present)	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) e.g., 270 bar (27 MPa)	Pressure
XX	Internal code
DNxx (e.g., DN10)	Nominal diameter

8.2.4 Replacing the Air Hose



- | | |
|---|-------------|
| 1 | Counterhold |
|---|-------------|
1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [▶▶ 23].
 2. Relieve the pressure of the spray gun and device.

Air hose

1. Place the size D wrench on the air connection and hold it in place.
2. Unscrew the air hose nut using the size C wrench.

Assembly:

- Screw on air hose by hand and tighten using two wrenches.

Description	Wrench A	Wrench B
Wrench size	17 mm; 0.67 inch	14 mm; 0.55 inch

9 TROUBLESHOOTING AND RECTIFICATION

Functional fault	Cause	Rectification	See Chapter
Insufficient product output	Nozzle too small	Select larger nozzle.	13 [▶▶ 35]
	Filter in cup clogged (if used)	Clean or replace filter.	
	Nozzle is clogged	Clean or replace nozzle.	7.5 [▶▶ 22], 10.8 [▶▶ 32]
	Product valve travel set too low	Increase product valve travel by turning the adjusting screw.	
Spray jet width cannot be adjusted	Air manifold ring incorrectly inserted	Insert air manifold ring correctly / replace if damaged.	
Poor spray pattern	Incorrectly adjusted atomizing air	Readjust the atomizing air.	
	Unfavorable nozzle size	Select a different nozzle.	13 [▶▶ 35]
	Air cap damaged	Use new air cap.	
	Incorrect air cap	Use a different type of air cap.	
	Spray product viscosity too high	Thin product in accordance with the spray product manufacturer's instructions.	
	Damaged nozzle	Attach new nozzle.	10.8 [▶▶ 32]
Needle or needle packing leaky	Needle packing (seal) on the needle damaged	Replace needle packing (seal).	10.4 [▶▶ 29]
Air valve leaks	Air valve damaged	Replace air valve.	10.5 [▶▶ 30]
Spray gun Does not close correctly	Nozzle nut not tightened enough	Tighten nozzle nut.	10.7 [▶▶ 31]
	Nozzle or needle damaged	Replace nozzle or needle.	10.8 [▶▶ 32]

10 REPAIRS

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. A function test should be performed.

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.
- ▶ Use only WAGNER original spare parts and accessories.
- ▶ Only repair and replace parts that are listed in the spare parts chapter and that are assigned to the device.
- ▶ Before all work on the device and in the event of work interruptions:
 - ▶ Relieve the pressure from the spray gun, product hoses and all devices.
 - ▶ Secure the spray gun against actuation.
 - ▶ Switch off the energy and compressed air supply.
 - ▶ Disconnect the control unit from the mains.
- ▶ Observe the operating and service manual for all work.



Before repair work

- ▶ Flush and clean the system in accordance with chapter Flushing and Cleaning the Spray Gun [▶ 23].
- ▶ Interrupt the air supply.

After repair work

- ▶ Carry out safety checks in accordance with Chapter Safety Checks and Maintenance Intervals [▶ 24].
- ▶ Put the system into operation and check for leaks as described in chapter Start up [▶ 18].
- ▶ Have the system checked for safe condition by a skilled person.
- ▶ Function test in accordance with chapter Function Test [▶ 33].

10.3 TOOLS

The following tools are required for carrying out the repair work on the gun described below:

- Gun wrench sizes 17 mm; 16 mm; 14 mm; 13 mm; 12 mm; 7 mm. For the repairs described below only wrench sizes 16 mm; 13 mm; and 7 mm are needed.

- Allen wrench, 10 mm
- 4 mm screw driver for needle packing
- 8 mm wrench size for needle carrier

Assembly aids:

Order no.	Quantity	Designation	Smaller tanks
9992831	1 pc = 50 ml	Loctite® 542	
9992590	1 pc = 50 ml	Loctite® 222	
9992698	1 pc = 200 g	Vaseline white, PHHV II	
9992616	1 pc = 1 kg can	Molykote® DX grease	50 g tube = Order no. 2355419
V0000000001	1 pc = 10 g	Grease packet	

Brand notice:

The brands specified in this document are property of the respective owners.
Loctite®, for example, is a registered brand of Henkel.

Note:

The grease packet supplied with the spray gun (order no. V0000000001) can be used as a replacement for Vaseline (order no. 9992698) as well as Molykote® (order no. 9992616).

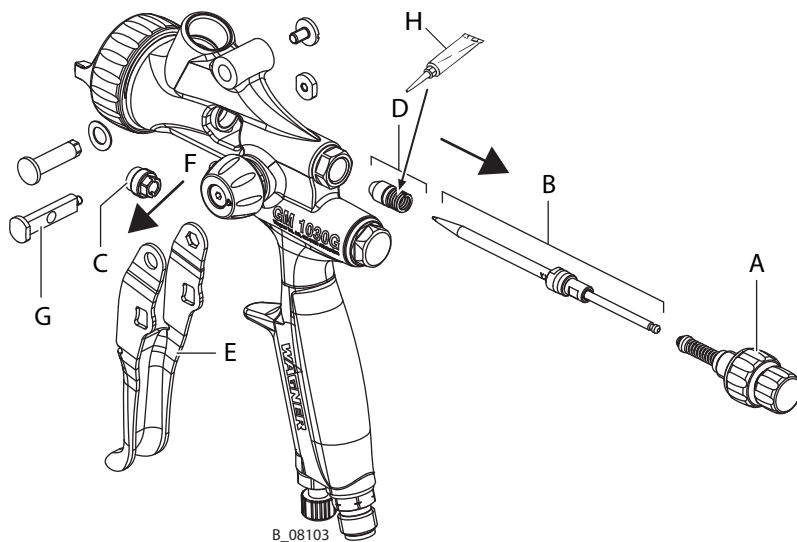
10.4 REPLACING THE NEEDLE PACKING

! NOTICE

Unsuitable tool!

Damage to seals and sealing surfaces.

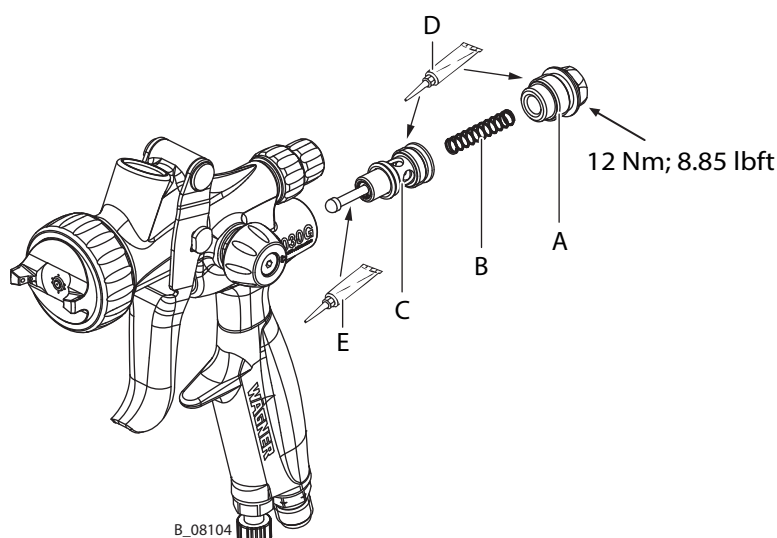
- Hold the needle with pliers or a similar tool.



1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [► 23].
2. Relieve the pressure of the product pressure generator and of the spray gun in accordance with Chapter Pressure Relief / Work Interruption [► 21].
3. Unscrew needle stroke regulator (A) by hand.
4. Carefully pull out needle (B) from the rear.

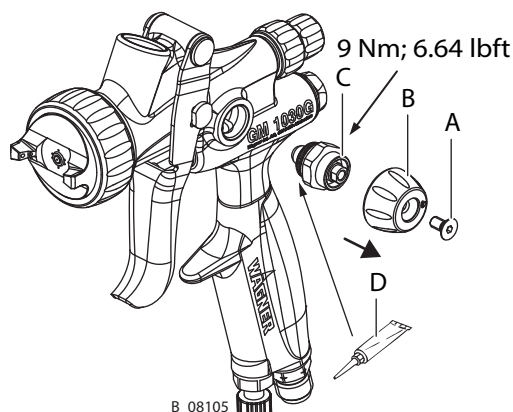
5. Remove trigger (E) and needle carrier (G).
6. Loosen the clamping sleeve (C) of the needle packing (D) from behind using a screwdriver and push it out through the side opening at (F).
7. Push out needle packing (D) and coat new needle packing (D) with Vaseline (H) and insert it.
8. Place clamping sleeve (C) and tighten it by one rotation.
9. Insert the needle (B) together with trigger (E) and needle carrier (G) and fix it with the needle stroke regulator (A).
10. Tighten the clamping sleeve (C).
11. Fit trigger (E) and needle carrier (G) again.

10.5 CHANGING THE AIR VALVE



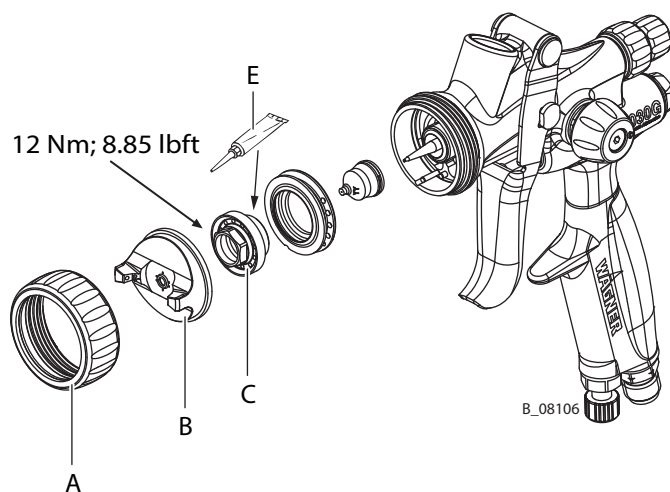
1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [►► 23].
2. Relieve the pressure of the product pressure generator and of the spray gun in accordance with Chapter Pressure Relief / Work Interruption [►► 21].
3. Unscrew locking cap (A) with a size 14 wrench.
4. Carefully remove pressure spring (B) and unscrew air valve (C) with a size 10 Allen wrench.
5. Replace air valve (C), coat with Loctite® 542 (D) and put back in, together with the pressure spring (B), then tighten with 6 Nm; 4.43 lbft.
6. Apply Loctite® 542 (D) to the locking cap (A) and retighten with a size 14 mm wrench and a torque of 12 Nm; 8.85 lbft.

10.6 CHANGING SHAPING AIR REGULATOR



1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [►► 23].
2. Relieve the pressure of the product pressure generator and of the spray gun in accordance with Chapter Pressure Relief / Work Interruption [►► 21].
3. Unscrew countersunk head screw (A) with a 2.5 mm Allen wrench.
4. Pull off the air adjustment knob (B) and unscrew the shaping air regulator (C) using a 16 mm open-end wrench.
5. Replace shaping air regulator (C), apply Loctite® 542 to thread, then screw back in and tighten to a torque of 9 Nm; 6.64 lbft.
6. Put on air adjustment knob (B) and screw in countersunk head screw (A).

10.7 TIGHTENING NOZZLE NUT

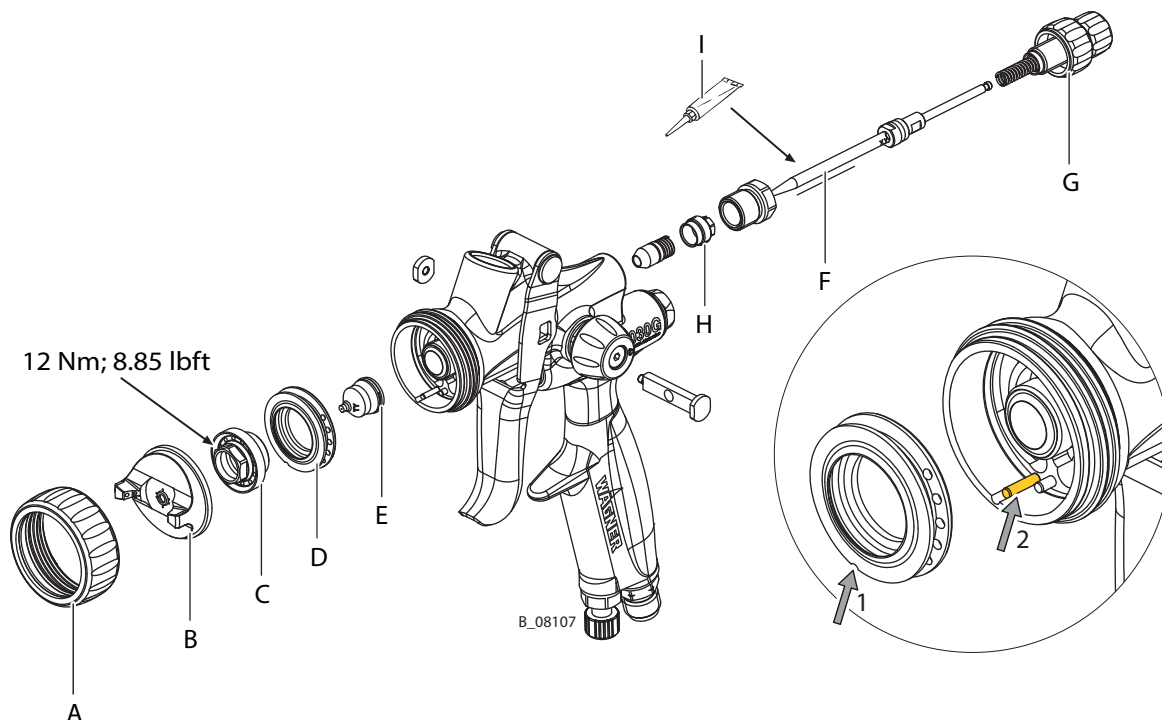


1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [►► 23].
2. Relieve the pressure of the product pressure generator and of the spray gun in accordance with Chapter Pressure Relief / Work Interruption [►► 21].
3. Remove air cap nut (A) and air cap (B).
4. Check nozzle nut (C) for correct seating and, if necessary, tighten with a size 13 wrench. Coat the inside with Molykote® DX (E).

Note: Tighten only with the trigger pulled!

5. Fit air cap (B) back onto nozzle nut (C) and tighten air cap (A) by hand.

10.8 REPLACING NOZZLE OR NEEDLE



Note: Only loosen and tighten nozzle with the trigger pulled.

Disassembly:

1. Flush and clean the spray gun in accordance with Chapter Flushing and Cleaning the Spray Gun [►► 23].
2. Relieve the pressure of the product pressure generator and of the spray gun in accordance with Chapter Pressure Relief / Work Interruption [►► 21].
3. Unscrew needle stroke regulator (G) by hand.
4. Carefully pull needle (F) out from the rear (if necessary, loosen the clamping sleeve (H) of the needle packing).
5. Remove air cap nut (A) and air cap (B).
6. Unscrew nozzle nut (C) with a size 13 wrench, remove air deflector ring (D) and nozzle (E).
7. Treat parts with cleaning agent until all remaining paint has been dissolved.

Assembly:

1. Place nozzle (E) in nozzle nut (C) and insert air control ring (D) in the spray gun. Make sure that the recess (1) is aligned with the recessed pin (2)! Tighten nozzle nut (C) with a size 13 wrench and with a torque of 12 Nm; 8.85 lbft.
2. Insert air cap (B) and tighten by hand with air cap nut (A).
3. Cover needle (F) with Vaseline (I). Loosen clamping sleeve (H) of the needle packing and carefully insert needle (F).
4. Unscrew needle stroke regulator (G) by hand and retighten clamping sleeve (H).

11 FUNCTION TEST

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.

Assembly inspection

Assembly inspection	
Activity	Aid tools
- Leak test - Connect 1 bar; 0.1 MPa; 14.50 psi air pressure to the air connection. Place the spray gun completely into the water bath and check all sealing points with 4 bar; 0.4 MPa; 58 psi for leaks. At 4 bar; 0.4 MPa; 58 psi, slight leakage can be tolerated.	Air connection, 1 bar Water bath
Injection and Final Inspection	
Activity	Aid tools
- Trigger lever function test - The trigger lever must be able to be pulled through to the stop. Make sure that the trigger lever can move slightly in its resting position.	Manual inspection
- Leak test - Connect spray gun, connect cup for product and allow product to flow through. - Trigger and flush the spray gun multiple times. - Check the following: ⇒ The product connection is sealed when the spray gun is closed. ⇒ The product valve is sealed. ⇒ Product does not discharge at the valve rod seal. If product leaks, tighten clamping sleeve: Clamping sleeve of the needle packing on the valve rod must be tightened. If necessary, tighten the clamping sleeve with the wrench. (In doing so, it is important to make sure that the valve rod still runs smoothly and the gun closes reliably).	Visual inspection Product connection 8 bar, air connection 3 bar, 7 mm wrench size for the clamping sleeve
Activity	Aid tools
- Checking the switching sequence – Mount nozzle and air cap nut. - Actuate trigger slowly, observe switching sequence "Switch on" and "Switch off". Switch on: atomizing air on, product on Switch off: product off, atomizing air off	Visual inspection
- Flush the spray gun - Switch off the air supply, pull trigger lever and flush spray gun or blow out with air. Flush spray gun without nozzle and air cap. The air connection hose can be removed in the process. - When almost no more product comes out, remove the product cup and remove the remaining test medium with a cloth.	

12 DISPOSAL

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

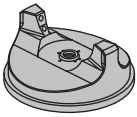
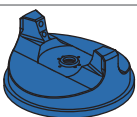
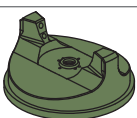
The following materials have been used:

- Stainless steel
- Aluminium
- Brass
- Plastics

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

13 ACCESSORIES

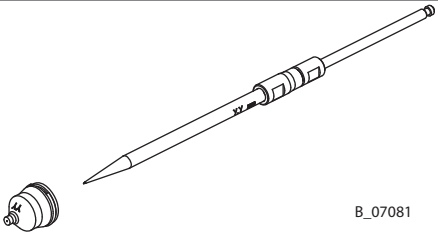
13.1 AIR CAPS

Order no.	Description	Processible Working Materials	
2401161	Air cap 0.3-1.8 mm CONV 8	Base lacquer, top coat, clear lacquer, separating agent, anti-dust	 B_07078
2401165	Air cap 2.0-2.5 mm CONV 8		
2401168	Air cap 0.3-1.8 mm CONV 10		
2401169	Air cap 2.0-2.5 mm CONV 10		
2401176	Air cap 0.3-1.8 mm HVLP Plus	Stain, primer, filler, base lacquer, top coats, clear lacquers, glazes	 B_07079
2401177	Air cap 2.0-2.5 mm HVLP Plus		
2401180	Air cap 0.3-1.8 mm HVLP	Stain, primer, filler, base lacquer, top coats, glazes, spraying plaster	 B_07080
2401181	Air cap 2.0-2.5 mm HVLP		

General application areas: wood, general industry, metal, glass, plastic

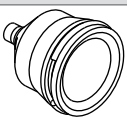
13.2 NOZZLES AND NEEDLES

Topfinish GM 1030G nozzle needle sets are available in the following sizes:

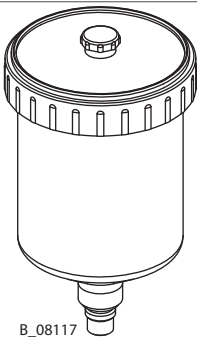
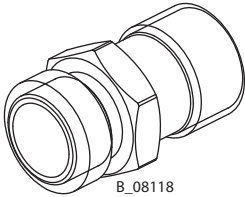
Order no.	Description	
2418041	GM 1030G nozzle needle set 1.0 mm	 B_07081
2418042	GM 1030G nozzle needle set 1.2 mm	
2418043	GM 1030G nozzle needle set 1.5 mm	
2418044	GM 1030G nozzle needle set 1.8 mm	
2418045	GM 1030G nozzle needle set 2.0 mm	
2418046	GM 1030G nozzle needle set 2.2 mm	

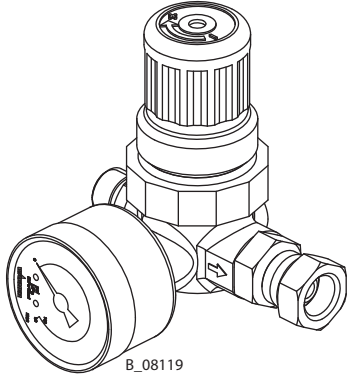
13.3 NOZZLES

Topfinish GM 1030G nozzles are individually available in the following sizes:

Order no.	Description	
2404489	GM 1030G nozzle 1.0 mm	 B_07137
2404491	GM 1030G nozzle 1.2 mm	
2404492	GM 1030G nozzle 1.5 mm	
2404493	GM 1030G nozzle 1.8 mm	
2404494	GM 1030G nozzle 2.0 mm	
2404495	GM 1030G nozzle 2.2 mm	

13.4 ADDITIONAL ACCESSORIES

Order no.	Description	
V2000830144	Compressed air hose ø 8 mm, outer - ø 14 mm, electr. conductive, per meter	 B_08113
V0010102000	Hose connector, 8 mm brass	 B_08114
V0010103000	Union nut G 1/4" nickel-plated brass	 B_08115
V7013150000	Hose clamp 13/15	 B_08116
51-405	Paint cup without filter	 B_08117
V0013000060	Gravity feed cup, chemically resistant 600cc with filter - inside thread Rd16 1/8	 B_08121
54-410	Filter for paint cup, 51-405	
V0000104000	Double ball joint, air 1/4"	
2412460	Adapter, RD16 1/8	 B_08118

Order no.	Description	
91-476	Adapter, GM 1010G for 3M PPS cup	
2418074	Adapter, GM 1030G for HSM cup	
2418084	Gun pressure regulator, cpl.	

14 SPARE PARTS

14.1 HOW TO ORDER SPARE PARTS

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:

- Billing address
- Delivery address
- 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

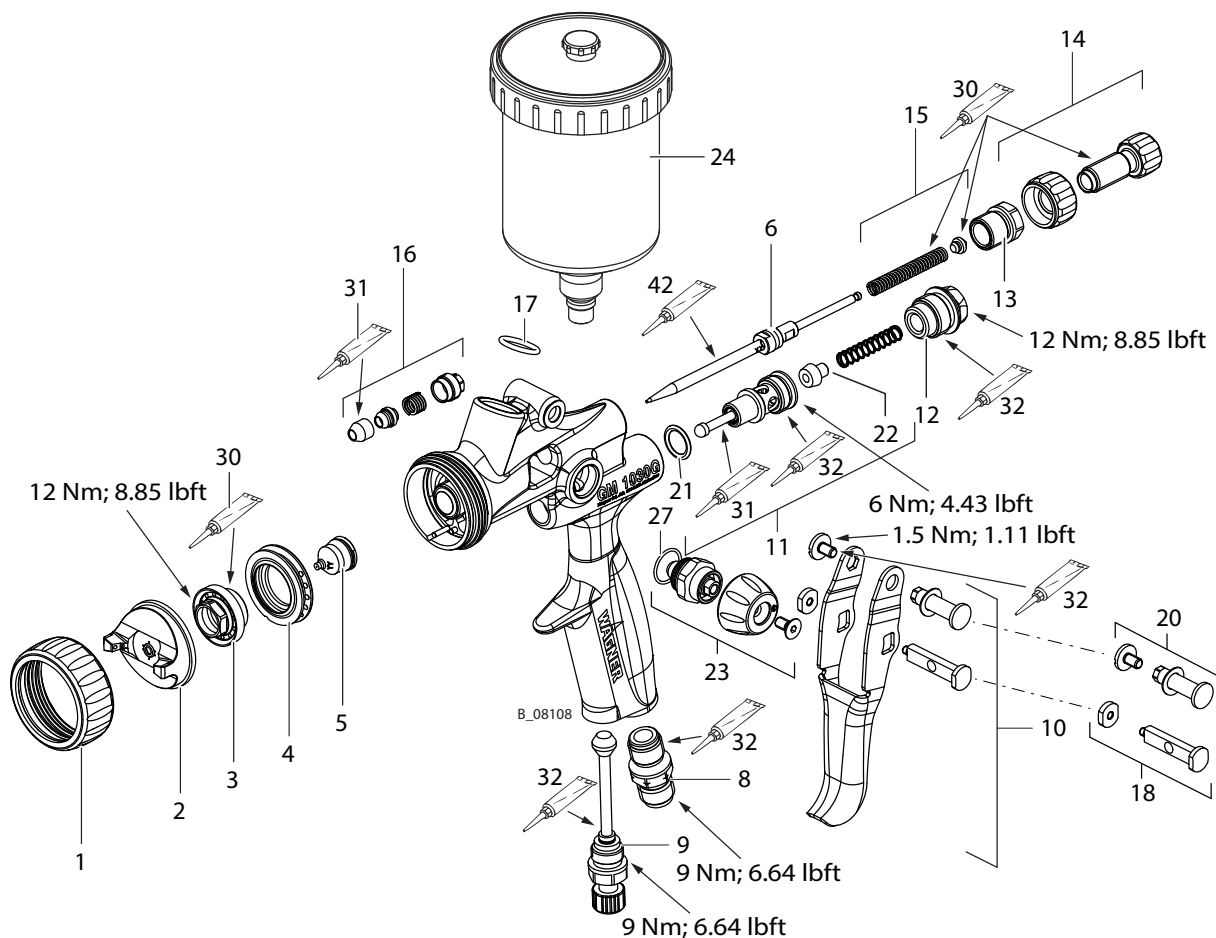
Explanation of column „K“ (marking) in the following spare parts lists:

- ◆ Wearing parts. Wearing parts are not included in the warranty.
- ★ Included in service set
- Not part of the standard equipment but available as a special accessory

Explanation of order no. column:

- Item not available as spare part.
- / Position does not exist.

14.2 SPARE PARTS LIST FOR TOPFINISH GM 1030G



Pos	K	Stk	Order no.	Description
1		1	2400769	Air cap nut, complete
2	◆	1	--	Air cap (see Chapter 13.1)
3		1	2400782	Nozzle nut
4	◆	1	2400779	Air deflector ring
5	◆	1	--	Nozzle (see Chapter 13.3)
6	◆	1	--	Nozzle/needle set (see Chapter 13.2)
8		1	2400781	Air connection
9		1	2400773	Air volume regulation, complete
10		1	2417737	Trigger set
11		1	2400772	Air valve, complete
12		1	2400780	Lock cap
13		1	2417746	Threaded bushing
14		1	2400778	Needle stroke regulator set
15	★	1	2417736	Needle spring set
16	◆ ★	1	2419835	Needle packing set
17	◆ ★	1	2396051	O-ring
18		1	2417744	Needle carrier set

Pos	K	Stk	Order no.	Description
19	♦	1	--	O-ring
20		1	2417747	Trigger axis set
21	♦ *	1	--	O-ring
22	*	1	--	Air valve cone
23		1	2417738	Shaping air adjustment
24		1	51-405	Paint cup without filter
25		1	54-410	Filter for paint cup, 51-405
27	♦ *	1	--	O-ring
30		1	9992616	Molykote® DX grease
31		1	9992698	Vaseline white, PHHV II
32		1	9992831	Loctite® 542
Service-Sets				
		1	2425400	Service set, GM 1030G consisting of pos.: 15, 16, 17, 21, 22, 27

♦ = wearing parts

* = included in service set

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

15 DECLARATION OF CONFORMITY

15.1 EU DECLARATION OF CONFORMITY

Herewith we declare that the supplied version of:

Topfinish GM 1030G

complies with the following guidelines:

2006/42/EC
2014/34/EU

Applied standards, in particular:

EN ISO 12100:2010	EN 1127-1:2011
EN 1953:2013	EN ISO 80079-36:2016
EN ISO 13732-1:2008	
EN 14462:2015	

Applied national technical standards and specifications, in particular:

DGUV regulation 100-500 Chapter 2.29
DGUV regulation 100-500 Chapter 2.36
TRGS 727

Identification:   II 2G T85°C X

EU Declaration of Conformity

The EU 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: 2426136





Order number 2426144
Edition 11/2022

Germany

J. Wagner GmbH
Otto-Lilienthal-Strasse 18
Postfach 1120
D-88677 Markdorf
Telephone: +49 (0)7544 5050
Fax: +49 (0)7544 505200
E-mail: ts-liquid@wagner-group.com

Switzerland

Wagner International AG
Industriestrasse 22
CH-9450 Altstätten
Telephone: +41 (0)71 757 2211
Fax: +41 (0)71 757 2222

Document number 11420935
Version B



More contact addresses on the internet at:
www.wagner-group.com

Subject to changes without notice