



This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

Model 600N

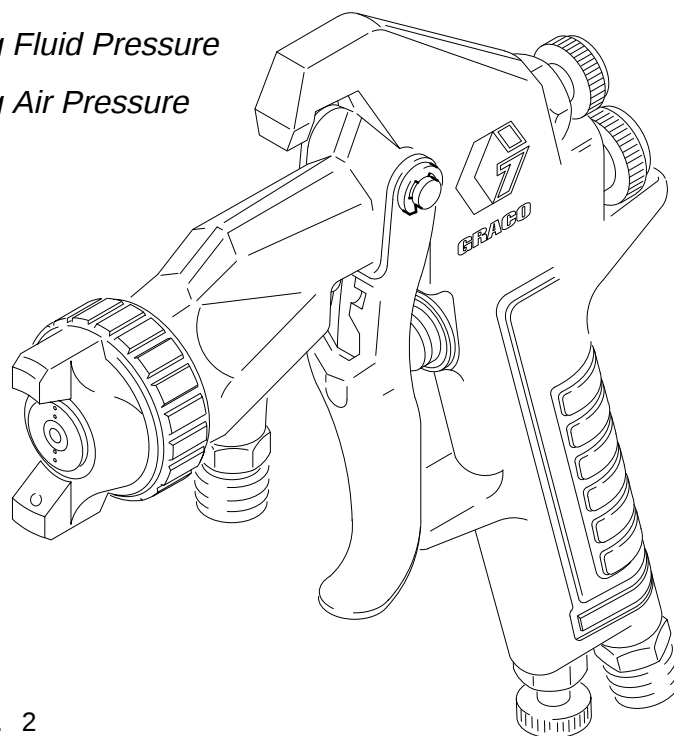
STAINLESS STEEL FLUID PASSAGES

Air Spray Gun

100 psi (0.7 MPa, 7 bar) Maximum Working Fluid Pressure

100 psi (0.7 MPa, 7 bar) Maximum Working Air Pressure

See the charts on pages 4 and 5 for complete air spray gun ordering numbers and descriptions.



02956

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Symbols

Warning Symbol



This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

Caution Symbol



This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.

WARNING



INSTRUCTIONS

EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture, malfunction or start unexpectedly and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Use this equipment only in low pressure, air spray systems.
- Do not exceed the maximum working pressure of the lowest rated system component. This equipment has a **100 psi (0.7 MPa, 7 bar) maximum working fluid and air pressure**.
- Route the hoses away from the traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 180°F (82°C) or below -40°F (-40°C).
- Wear hearing protection when operating this equipment.
- Use fluids or solvents that are compatible with equipment wetted parts. See the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Methylene Chloride with formic or propionic acid is not recommended as a flushing or cleaning solvent with this gun or any other device with nylon or aluminum components as it can damage these parts.
- Comply with all applicable local, state and national fire, electrical and other safety regulations.

WARNING



PRESSURIZED EQUIPMENT HAZARD

Spray from the gun, hose leaks or ruptured components can splash fluid in the eyes or on the skin and cause serious injury.

- Do not stop or deflect fluid leaks with your hand, body, glove or rag.
- Follow the **Pressure Relief Procedure** on page 8 when: you are instructed to relieve pressure; stop spraying; clean, check or service the equipment; and install or clean fluid nozzles.
- Do not point the spray gun at anyone or at any part of the body.
- Tighten all fluid connections before operating the equipment.
- Check the hoses, tubes and couplings daily. Replace worn, damaged or loose parts immediately. Permanently coupled hoses cannot be repaired; replace the entire hose.



FIRE AND EXPLOSION HAZARD

Poor air ventilation, open flames, or sparks can cause a hazardous condition and result in fire or explosion and serious injury.

- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvent or the fluid being sprayed.
- Extinguish all open flames or pilot lights in the spray area.
- Electrically disconnect all equipment in the spray area.
- Keep the spray area free of debris, including solvent, rags and gasoline.
- Do not turn on or off any light switch in the spray area while operating or if fumes are present.
- Do not smoke in the spray area.
- Do not operate a gasoline engine in the spray area.



TOXIC FLUID HAZARD

Hazardous fluids or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed.

- Know the specific hazards of the fluid you are using. Read the fluid manufacturer's warnings.
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.
- Dress appropriately for your application. Wear the appropriate protective clothing, gloves, eyewear, and respirator.

Ordering Charts

The charts below provide a cross reference between identification numbers stamped on the parts and the Graco part number. Chart 1 shows the complete gun assemblies available, grouped by basic gun type. Chart 2 shows fluid nozzle/needle combinations. Chart 3 shows the air caps available.

The following is an example of how to use these charts:

- Your application calls for a *pressure feed gun*.
Chart 1 shows this to be a *P600N basic gun*.

- Using **Chart 2**, the flow rate required and fluid viscosity call for an *02N fluid nozzle and needle combination*.
- By using **Chart 3**, you determine that the *02 air cap* is best for the application.
- This makes your combination a *P600N–02N–02*.
Chart 1 shows that the *Graco part number* for this combination is *217–651*.

Chart 1: Gun Combinations Available

P600N: Pressure Feed Guns

Ordering Part No.	Combinations:		
	Gun	Nozzle <i>See Chart 2</i>	Air Cap <i>See Chart 3</i>
217–650	P600N	0N	0
217–651	P600N	02N	02

G600N: Gravity Feed Guns

Ordering Part No.	Combinations:		
	Gun	Nozzle <i>See Chart 2</i>	Air Cap <i>See Chart 3</i>
224–038	G600N	2N	2
224–039	G600N	3N	31

S600N: Siphon Feed Guns

Ordering Part No.	Combinations:		
	Gun	Nozzle <i>See Chart 2</i>	Air Cap <i>See Chart 3</i>
217–652	S600N	2N	2
217–655	S600N	3N	31

Terms:

Light Fluid: 19 to 24 seconds (No. 2 Zahn cup). Auto, furniture, appliances, fine-finish metallics, top coats, lacquer, enamel primers.

Medium Fluid: 22 to 41 seconds (No. 2 Zahn cup). Contact adhesive, latex, maintenance paints, textures, primers, epoxies, vinyls, high flow – high viscosity.

Heavy Fluid: Mastics, block fillers, roof coating, sound deadeners, adhesive, textures.

Ordering Charts

Chart 2: Fluid Needle/Nozzle Combinations*

Type	Orifice Size	Flow Rate fl. oz./min. (liters/min.)	Recommended Usage (See TERMS)	Order Part No.		
				Kit	Nozzle Only	Needle Only
0N/0N	0.032" (0.8 mm)	4–10 (0.12–0.30)	Light fluid Pressure feed	106–668	106–650	106–659
02N/02N	0.039" (1.0 mm)	8–17 (0.24–0.51)	Medium fluid Pressure feed	106–669	106–651	106–660
2N/2N	0.051" (1.3 mm)	4–8 (0.12–0.24)	Light fluid Siphon feed	106–670	106–652	106–661
3N/3N	0.059" (1.5 mm)	6–10 (0.18–0.30)	Medium fluid Siphon feed	106–671	106–653	106–662

* Needles and fluid nozzles are manufactured in matched, lapped sets and should be ordered as a kit to ensure perfect seating of the needle in the fluid nozzle.

Chart 3: Air Caps Available

Type	Pattern Length at 8 in. (200 mm)	Pattern Shape Recommended Usage	Air Consumption cfm at psi (m ³ /min. at kPa/bar)	Recommended Nozzle				Order Part No.
				0N	02N	2N	3N	
0	4–8" (100–200 mm)	Blunt end pattern. Low produc- tion, fine-finish and touch-up.	8.5 at 50 (0.24 at 345/3.4)	X				106–600
02	6–10" (150–250 mm)	Slight taper. Low to medium pro- duction; general purpose.	8.1 at 50 (0.23 at 345/3.4)		X			106–601
2	3–6" (75–150 mm)	Blunt end. Small work and touch-up.	3 at 40 (0.08 at 280/2.8)			X		106–602
31	5–7" (125–175 mm)	Slight taper. Medium production, fine-finish, metallics, touch-up.	8 at 40 (0.22 at 280/2.8)				X	106–605

NOTE: See page 16 for **Air Flow Charts**.

Installation

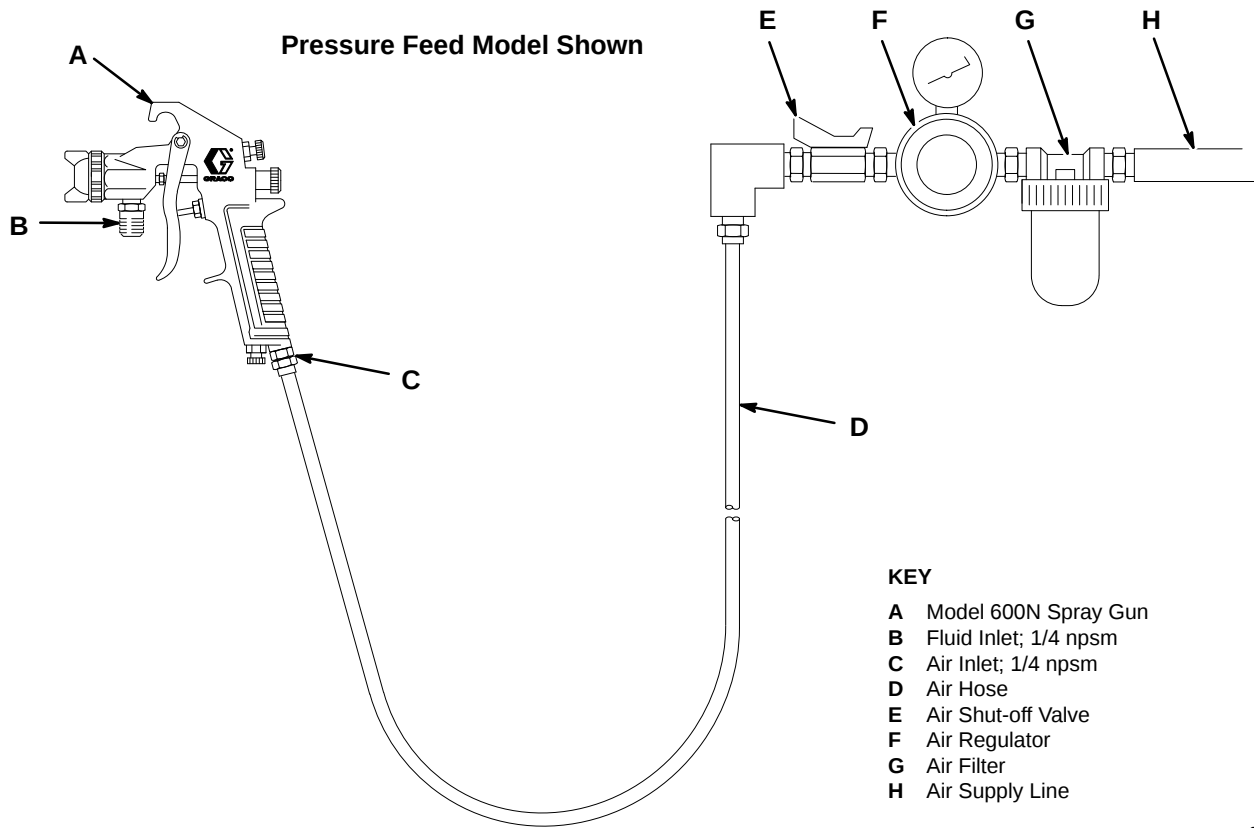


Fig. 1

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Ventilate the Spray Booth

⚠ WARNING

TOXIC FLUID HAZARD

To prevent hazardous concentrations of toxic and/or flammable vapors, spray only in a properly ventilated spray booth.

Do not operate the spray gun unless ventilation fans are operating.

Check and follow all of the national, state and local codes regarding air exhaust velocity requirements.

Check and follow all local safety and fire codes.

1. Install an air filter (G) in the gun air supply line to ensure a clean dry air supply to the gun. See Fig. 1. Dirt and moisture in the air line can affect the appearance of your finished workpiece.
2. Install an air regulator (F) downstream from the air filter to control atomizing air pressure to the gun.
3. Install an air shut-off valve (E).
4. Connect the atomizing air hose (D) to the 1/4 npsm air inlet (C) of the gun.
5. Connect the fluid supply hose, siphon cup or gravity cup (see Fig. 2) to the 1/4 npsm fluid inlet (B) of the gun.

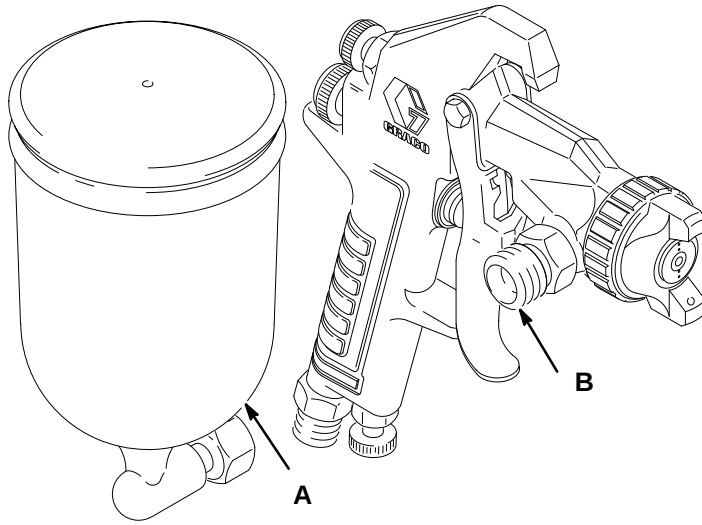
NOTE: If you use a fluid supply line, install a fluid regulator in the gun fluid supply line to control fluid pressure to the gun.

Installation Procedure

NOTE: See **Accessories** section for information on recommended accessories.

Installation

NOTE: *On the gravity gun, gravity cups connect to the gun at a fluid inlet on the side of the gun. See Fig. 2.*



KEY

- A** Gravity Cup
- B** Gravity Gun Fluid Inlet 1/4 npsm

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Fig. 2

Operation

Pressure Relief Procedure

⚠ WARNING

PRESSURIZED EQUIPMENT HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. To reduce the risk of an injury from accidental spray from the gun, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you:

- are instructed to relieve the pressure,
- stop spraying,
- check or service any of the system equipment,
- or install or clean the spray nozzle.

1. Turn off the air and fluid supply to the gun.
2. Trigger the gun into a grounded metal waste container to relieve system pressures.

Filter the Fluid

Strain or filter the paint to remove coarse particles and sediment, then check the viscosity of your paint. Install the proper needle/nozzle set and air cap combination selected from the charts on page 5.

Adjusting the Spray Pattern (See Fig. 3)

The desired pattern, volume of fluid output and degree of atomization can easily be obtained by regulating the fan adjustment valve (5) and the fluid adjustment knob (6).

Adjust the Pattern Size

Turn the fan adjustment valve (5) out (counterclockwise) to make the spray pattern wider.

Adjust the Fluid Output Volume for Pressure Feed

Turn the fluid adjustment knob (6) out all the way (counterclockwise). Then adjust the air pressure at the pressure feed tank until the desired fluid flow is obtained. For the final adjustment, turn the fluid adjustment knob in (clockwise) to reduce the volume of fluid output until the desired results are obtained.

Adjust the Fluid Output Volume for Siphon Feed

Turn the fluid adjustment knob (6) in (clockwise) to reduce the volume of fluid output, and turn it out (counterclockwise) to increase the fluid output.

NOTE: If the fluid adjustment knob is turned in all the way, the gun will emit only air.

Test the Spray Pattern

Hold the gun about 8 in. (200 mm) away from the surface of the test piece. Adjust the air pressure to the gun until proper atomization is achieved. Use the lowest possible air pressure to obtain the desired results.

NOTE: The air adjustment valve can also be used to regulate air at the gun.

Continuous Spraying

Leave the fan and fluid adjustment valves in the full open positions. This provides maximum fluid flow and prevents premature wear on the fluid nozzle. Use separate regulators to control the air and fluid flow to the gun.

Short-term Operations

The pattern size and fluid output volume may be reduced by turning in the fan and fluid adjustment valves.

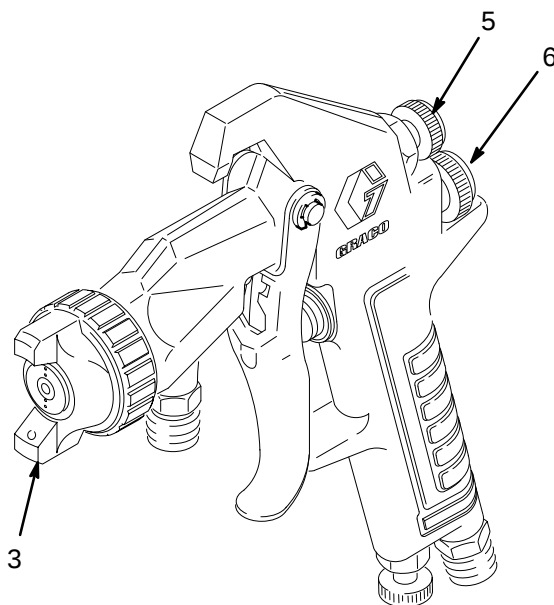


Fig. 3

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Operation

Spray Pattern Direction

WARNING

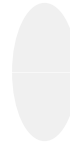
PRESSURIZED EQUIPMENT HAZARD

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, follow the **Pressure Relief Procedure** on page 8.

The direction of the spray pattern is determined by the position of the air cap (3). The horns of the air cap should be the opposite direction (horizontal or vertical) of the desired direction of the spray pattern.

To change the spray pattern direction, first **relieve the pressure**. Then loosen and turn the air cap to the desired position and hand tighten the air cap securely.

Proper pattern adjustment will give a spray pattern shaped like this:



Vertical Pattern



Horizontal Pattern

See the **Troubleshooting Chart** for the cause and solution of improper spray patterns.

Maintenance

CAUTION

Methylene Chloride with formic or propionic acid is **not** recommended as a flushing or cleaning solvent with this gun or any other device with nylon or aluminum components, as it can damage these parts.

CAUTION

To ensure thorough flushing and to avoid gun damage, only use solvents that are compatible with the fluid being sprayed and the wetted parts of the gun.

To avoid getting solvent in the gun air passages or damaging packings, do not immerse the gun in solvent.

Cleaning

1. To clean the gun, flush it with a compatible solvent until all traces of paint are removed from the gun passages.

WARNING

PRESSURIZED EQUIPMENT HAZARD

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, follow the **Pressure Relief Procedure** on page 8.

2. **Relieve the pressure.**

3. Wipe the outside of the gun clean with a solvent dampened cloth.

4. If the air cap and fluid nozzle need cleaning, **relieve the pressure**, and remove the air cap (3) from the gun. Remove the fluid nozzle with the special nozzle wrench (21), supplied. Soak the fluid nozzle in solvent and wipe it with a clean cloth. Soak the air cap in solvent and scrub it with the fine bristled brush (20). To clean the holes in the air cap, use a toothpick or other soft implement to avoid damaging critical surfaces.

CAUTION

Do not use metal instruments to clean holes in the air cap and nozzle. Metal instruments can damage the holes in the air cap and fluid nozzle, resulting in distortion of the spray pattern.

Lubricating

Lubricate the gun daily with light oil at the points marked  in Fig. 4, page 12. Periodically lubricate the fluid needle spring (7) with lightweight grease or petroleum jelly.

Troubleshooting

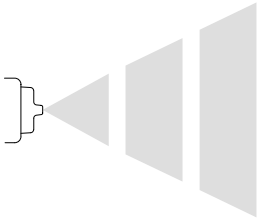
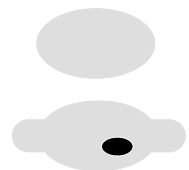
⚠ WARNING

PRESSURIZED EQUIPMENT HAZARD

To reduce the risk of serious injury, follow the **Pressure Relief Procedure** on page 8 before you check or service any system equipment and whenever you are instructed to relieve pressure.

NOTE:

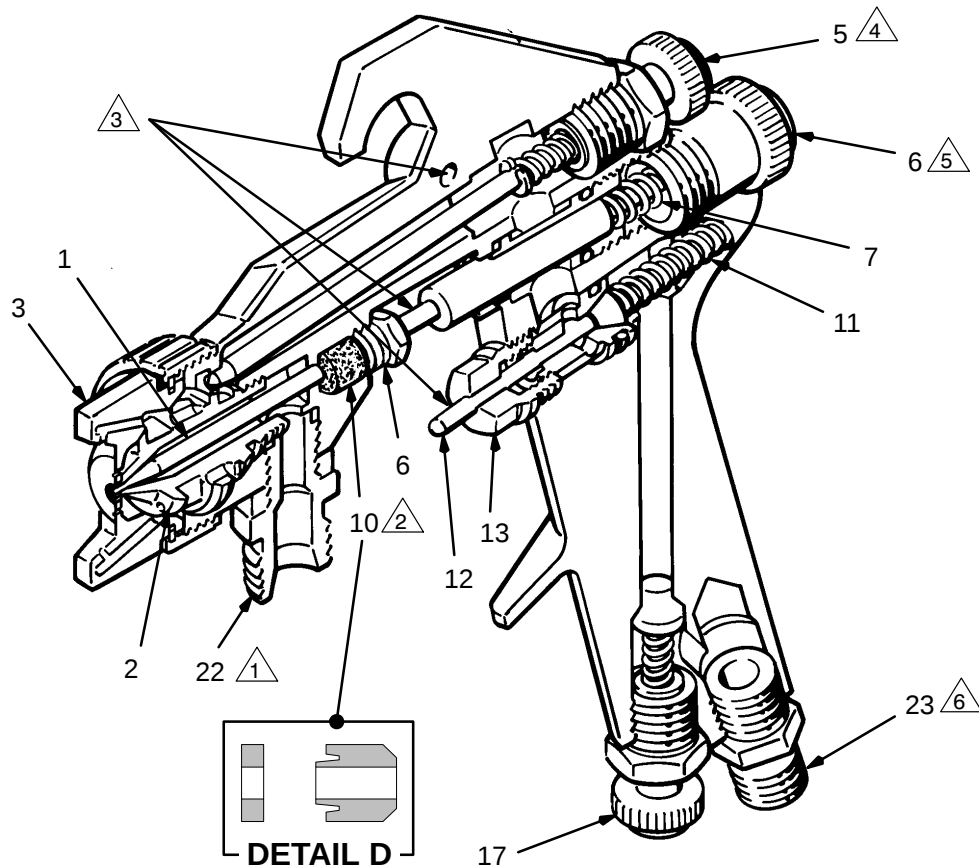
- Check all possible causes and solutions in the **Troubleshooting Chart** before disassembling the gun.
- Some improper patterns are caused by the improper balance between air and fluid.

Problem: Improper Spray Pattern	Cause	Solution
Fluttering or spitting spray 	Insufficient fluid supply. Loose fluid nozzle or damaged fluid nozzle taper seat. Dirt between fluid nozzle, taper seat, and body. Loose or cracked fluid inlet fitting (22). Loose fluid tube in cup or tank. Dry or worn fluid needle packing or loose packing nut permits air to get into fluid passage (siphon feed).	Adjust fluid regulator or fill fluid supply. Tighten fluid nozzle or replace fluid nozzle and needle. Clean. Tighten or replace fitting. Tighten. Lubricate or replace packings (10); tighten packing nut (9).
	Fluid build-up on air cap; partially clogged horn holes. Full air pressure from clean horn hole forces fan pattern toward clogged end. Damaged fluid nozzle or air cap holes.	Clean with soft implement or submerge in suitable solvent and wipe clean. Replace damaged part.
	Fluid build-up on the perimeter of fluid nozzle orifice, or partially clogged fluid nozzle orifice.	Remove obstruction. Never use wire or hard instruments.
	Too high atomization air pressure. Fluid too thin. Not enough fluid pressure.	Reduce air pressure or adjust air adjustment valve (17). Regulate fluid viscosity. Increase fluid pressure.
	Low atomization air pressure. Fluid too thick. Too much fluid.	Increase air pressure or adjust fan adjustment valve (5). Regulate fluid viscosity. <i>On siphon feed guns, reduce fluid flow by adjusting fluid adjustment knob (6). On pressure feed guns, reduce fluid pressure. Adjust fluid adjustment knob (6) until proper pattern is obtained.</i>
Streaks 	Last coat of fluid applied too wet. Too much air pressure. Insufficient air pressure. Non-uniform spray pattern.	Apply drier finish with multiple strokes. Use lowest air pressure necessary. Increase air pressure. Clean or replace air cap.

Troubleshooting

Problem	Cause	Solution
Fluid packing nut leaking.	Loose needle packing nut (9). Worn needle packings (10).	Tighten. Replace.
Air leakage from front of gun.	Air valve (12, 13) not seating properly.	Clean, service.
Fluid leakage from front of gun.	Needle (1) worn or damaged. Worn needle and nozzle seat in fluid nozzle (2). Needle packings (10) too tight.	Replace. Replace fluid nozzle and needle. Lubricate packings (10) and adjust packing nut (9).

Service



- 1 Apply Loctite® 242 sealant or equivalent on threads and torque to 20 ft-lb (27 N•m).
- 3 See Detail D.
- 2 Turn counterclockwise to increase fluid output. Turn clockwise to decrease fluid output.

- 4 Lubricate daily with light oil.
- 5 Turn counterclockwise to widen spray pattern. Turn clockwise to narrow spray pattern.
- 6 Apply Loctite® PST pipe sealant or equivalent on threads.

Fig. 4

⚠ WARNING

PRESSURIZED EQUIPMENT HAZARD

To reduce the risk of serious injury, follow the **Pressure Relief Procedure** on page 8 before you check or service any system equipment and whenever you are instructed to relieve pressure.

NOTE: The fluid needle spring (7) and the air valve spring (11) are not interchangeable. The air valve spring (11) is slightly larger in diameter and will not fit properly into the fluid valve cavity. See Fig. 4.

Air Valve Service

- If there is air leakage at the air valve needle (12), **relieve the pressure**, then remove the trigger and unscrew the air valve assembly. See Fig. 4.
- Clean and inspect the needle (12), spring (11), and air valve (13) for wear or damage. Replace if needed.
- Apply a few drops of lightweight machine oil to the air valve needle (12) and reassemble the air valve.

Service

Fluid Packing Replacement

1. If leakage occurs at the fluid needle packing nut (9), **relieve the pressure**, then tighten the nut. If leakage cannot be stopped by tightening the packing nut, remove the fluid adjustment knob (6), spring (7) and needle (1). See Fig. 4.
2. Unscrew the packing nut (9) and remove the old packings (10). A small hooked tool can be used to remove packings from the gun body. Clean and inspect all the parts for wear or damage, replacing parts as needed.
3. Lubricate the new packings with lightweight oil and insert the washer, then the packing (with its lips facing toward the washer) into the gun body. See Fig. 4, Detail D.
4. Install the needle (1), spring (7) and fluid adjustment knob (6) into the gun body. Slide the packing nut (9) onto the needle before inserting the needle into the packing cavity.

5. Turn the fluid adjustment knob (6) in until it bottoms out, then back it out six full turns for proper spring adjustment.
6. With the trigger released, screw the packing nut (9) in until the packing is fully compressed, then back the nut off until the needle moves freely when the gun is triggered.

NOTE: For the best fluid packing life, lubricate the gun daily as explained in **Maintenance**.

Installing Fluid and Air Fittings

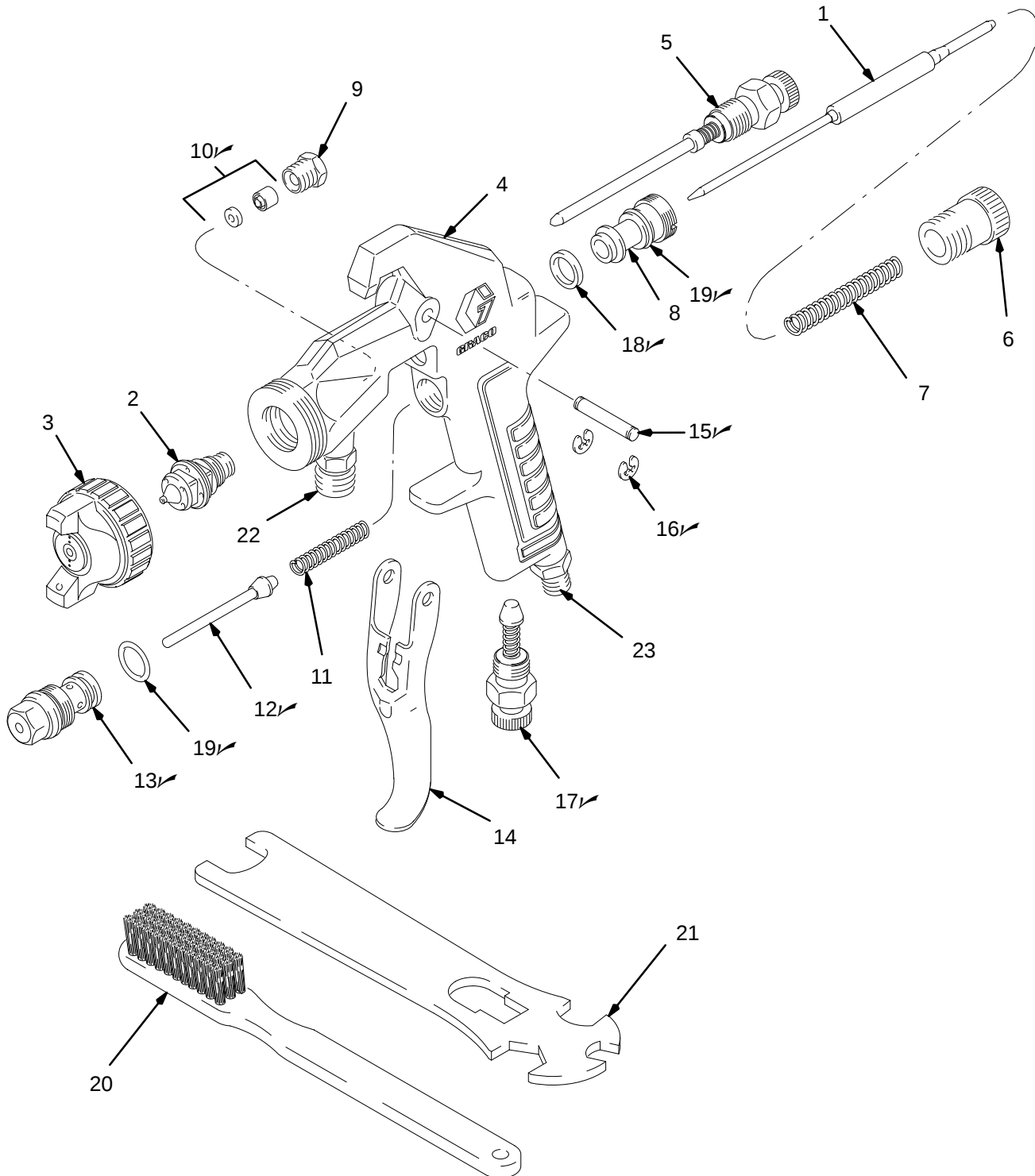
If the fluid fitting (22) is removed, be sure to install its gasket and washer when reinstalling the fitting. Apply Loctite® 242 sealant or equivalent on the fluid fitting threads and torque it into the gun body to 20 ft-lb (27 N•m).

If the air fitting (23) is removed, apply Loctite PST pipe sealant or equivalent to its threads and screw it into the gun body.

Parts

Model 600N Air Spray Gun

Includes items 1 to 23



04838A

Parts

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		NEEDLE, fluid; See charts on page 5	1	13✓	106-637	PACKING KIT, air valve	1
2		NOZZLE, fluid; See charts on page 5	1	14	106-634	TRIGGER	1
3		AIR CAP; See charts on page 5	1	15✓	106-633	PIVOT PIN, trigger	1
4	106-691	BODY, gun, <i>siphon/pressure feed only</i> ; Includes fittings 22 and 23	1	16✓	106-632	RETAINING RING, trigger	2
5	106-620	VALVE, fan adjustment	1	17✓	106-631	VALVE, air adjustment	1
6	105-553	KNOB, fluid adjustment	1	18*	105-551	GASKET	1
7*	106-679	SPRING, compression, fluid needle	1	19*	105-563	O-RING	2
8	106-621	GUIDE, fluid needle	1	20		BRUSH; Not sold separately	1
9	106-619	PACKING NUT, needle	1	21	110-763	WRENCH, nozzle	1
10*	106-658	PACKING KIT, needle	1	22	106-692	FITTING, fluid, <i>siphon/pressure feed only</i> ; Includes gasket & washer	1
11*	106-635	SPRING, compression, air valve	1	23	106-690	FITTING, air	1
12*	106-636	VALVE, air, needle	1	✓ <i>Keep these spare parts on hand to reduce down time.</i>			
				* <i>These parts are included in Repair Kit 106-687, which may be purchased separately.</i>			

Accessories

Use Only Genuine Graco Parts and Accessories

Siphon Cup PC-2 105-701

20.4 oz. (600 cc) capacity; 1/4 npsm(f)

Replacement diaphragm available.
Order part number 106-678.

Replacement lid gasket available.
Gasket is polyethylene.
Order part number 106-680.

Air Atomizing Hose, Buna-N

200 psi (1.4 MPa, 14 bar) Maximum Working Pressure

5/16 in. (7.9 mm) ID; coupled 1/4 npsm(f) swivel both ends; neoprene cover

210-866 15 ft (4.7 m) long
210-867 25 ft (7.6 m) long
210-868 50 ft (15.2 m) long

Throat Seal Liquid (TSL) 206-995

1 quart (0.97 liter) non-evaporating lubricant for air and fluid packings.

Air Flow Charts

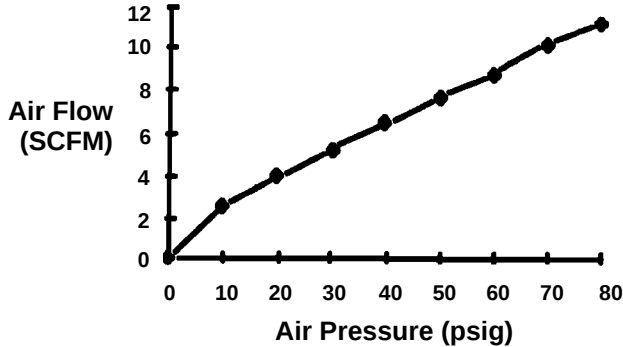
Each chart has a gun model number. The first number refers to the 600 gun series. The next number refers to the fluid nozzle. The last number refers to the air cap.

To use the charts:

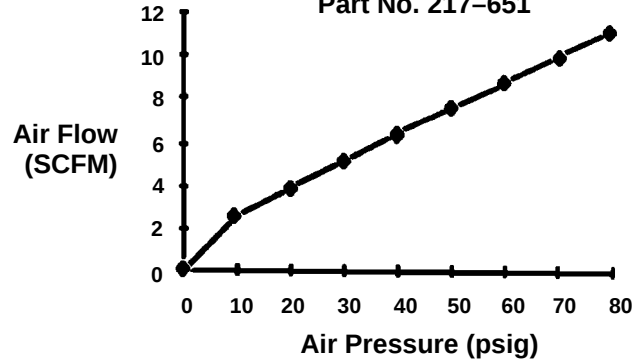
1. Choose the chart corresponding to your need.
2. On the horizontal axis, note the air pressure that will be used.
3. Go up vertically until you intersect the actual air flow line.
4. Go across and read the air flow in scfm.

(Gun Model – Nozzle – Air Cap)

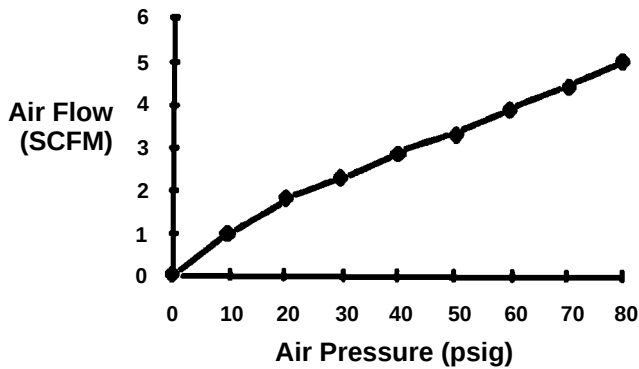
Model 600N-0-0
Part No. 217-650



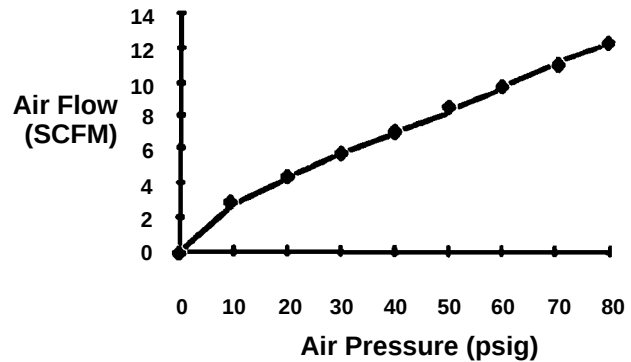
Model 600N-02-02
Part No. 217-651



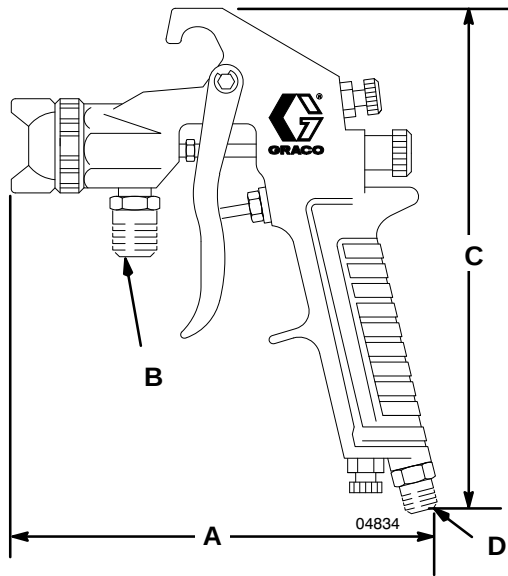
Model 600N-2-2
Part No. 217-652



Model 600N-3-31
Part No. 217-655



Dimensional Drawing



Reference	Dimension
A	5.7 in. (145 mm)
B	1/4 npsm fluid inlet
C	6.85 in. (174 mm)
D	1/4 npsm air inlet

Technical Data

Maximum working fluid pressure 100 psi (0.7 MPa, 7 bar)
 Maximum working air pressure 100 psi (0.7 MPa, 7 bar)
 Weight 17 oz. (475 g)
 Wetted parts SST, polyethylene and polyester elastomer
 Maximum working temperature 104°F (40°C)
 Noise data*

Gun	Air Cap	Air Pressure psi (kPa, bar)	Sound Pressure	Sound Power
600N	N/A	65 (444, 4.4)	77.6 Db(A)	89.4 Db(A)
600ND	106-681	11 psi (77, 0.8)	78.7 Db(A)	89.0 Db(A)
	106-682	30 psi (210, 2.1)	88.3 Db(A)	97.2 Db(A)
	106-683	7 psi (48, 0.4)	66.2 Db(A)	74.9 Db(A)

* All readings were taken with the gun controls fully open. Sound pressure was tested to CAGI-PNUEROP – 1969.
 Sound power was tested to ISO 3744 – 1981.

Manual Change Summary

The manual was revised to change the orientation of the packing kit (10) in the illustrations.

[illegible]

[illegible]

The Graco Warranty and Disclaimers

WARRANTY

Graco warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for, any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility with Graco equipment of structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claim. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor and transportation.

DISCLAIMERS AND LIMITATIONS

The terms of this warranty constitute purchaser's sole and exclusive remedy and are in lieu of any other warranties (express or implied), **including warranty of merchantability or warranty of fitness for a particular purpose**, and of any non-contractual liabilities, including product liabilities, based on negligence or strict liability. Every form of liability for direct, special or consequential damages or loss is expressly excluded and denied. In no case shall Graco's liability exceed the amount of the purchase price. Any action for breach of warranty must be brought within two (2) years of the date of sale.

EQUIPMENT NOT COVERED BY GRACO WARRANTY

Graco makes no warranty, and disclaims all implied **warranties of merchantability and fitness for a particular purpose**, with respect to accessories, equipment, materials, or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motor, switches, hose, etc.) are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1-800-367-4023 Toll Free

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

Sales Offices: Minneapolis, Detroit, Los Angeles
Foreign Offices: Belgium, Canada, England, Korea, France, Germany, Hong Kong, Japan

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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