

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

22g

AVANTI™

GRAVITY FEED PNEUMATIC TEXTURE SPRAYER



NOTICE

CLEAN IMMEDIATELY

**Clean the Spray Gun
IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will
permanently clog the Spray Gun.**

Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

58614

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

⚠ WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

Copyright© 2022 by Harbor Freight Tools®. All rights reserved.
No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

NOTICE






Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Table of Contents

Safety	2	Maintenance	16
Specifications	5	Parts List and Diagram	18
Setup	6	Warranty	20
Operation.....	10		

AVANTI™

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

WARNING – When using tools, basic precautions should always be followed, including the following:



Work Area

- Keep the work area clean and well lighted.**
Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
- Keep bystanders, children, and visitors away while operating the tool.** Distractions are able to result in the loss of control of the tool.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Personal Safety

- a. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool increases the risk of injury to persons.
- b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.
- c. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- d.  **Use safety equipment.** Wear protective paint spraying gloves and a NIOSH-approved respirator during use. Non-skid safety shoes and a hard hat must be used for the applicable conditions.
- e.  **Always wear eye protection.** Wear ANSI-approved safety goggles.

Tool Use and Care

- a. **Do not force the tool.** Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.
- b. **Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.
- c. **Store the tool when it is idle out of reach of children and other untrained persons.** A tool is dangerous in the hands of untrained users.
- d. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. There is a risk of bursting if the tool is damaged.
- e. **Use only accessories that are identified by the manufacturer for the specific tool model.** Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.


Service

- a. **Tool service must be performed only by qualified repair personnel.**
- b. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**

NOTICE





**Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.**

Air Source

- a.  **Never connect to an air source that is capable of exceeding 200 psi.** Over pressurizing the tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.
- b. **Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool.** Such gases are capable of explosion and serious injury to persons.

Symbol Definitions

Symbol	Property or Statement
PSI	Pounds per square inch of pressure
CFM	Cubic Feet per Minute flow
SCFM	Cubic Feet per Minute flow at standard conditions
NPT	National pipe thread, tapered
NPS	National pipe thread, straight

Symbol	Property or Statement
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved respirator.
	WARNING marking concerning Risk of Explosion.
	WARNING marking concerning Risk of Fire. Do not use solvents improperly.

Specific Safety Instructions

- Do not direct spray at people or animals.
- Do not exceed maximum air pressure.
- Do not spray near open flames, pilot lights, stoves, heaters, the air compressor, or any other heat source. Most solvents and coatings are highly flammable, particularly when sprayed. Maintain a distance of at least 25 feet from the air compressor. If possible, locate the air compressor in a separate room.
- Read all of the information concerning coating products and cleaning solvents. **Do not use chlorinated solvents (e.g. 1-1-1 trichloroethylene and dichloromethane, also known as methylene chloride) to clean spray guns. Many spray guns contain aluminum, which reacts strongly to chlorinated solvents.** Contact the solvent or coating manufacturer as needed regarding potential chemical reactions.
- Industrial applications must follow OSHA requirements.
- Spraying hazardous materials may result in serious injury or death. Do not spray pesticide, acid, corrosive material, fertilizer, or toxic chemicals.
- Paints and solvents may be harmful or fatal if swallowed or inhaled. Avoid prolonged skin contact with solvents or paints as they will irritate skin. After any contact, immediately wash off exposed area with hot, soapy water.
- Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or break during operation.
- Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.
- Air hose fittings may get hot during use. Allow fittings to cool before disconnecting.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Vibration Precautions

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain tool as explained in this manual. If abnormal vibration occurs, stop immediately.



SAVE THESE INSTRUCTIONS.

Specifications

Working Air Pressure	50 - 70 PSI
Air Inlet	1/4" - 18 NPS
Hopper Capacity	2 gal
Air Consumption	2.5 - 6.5 CFM
Nozzle Sizes	3/16", 1/4", 5/16"

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Initial Setup



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Before Setup

This air tool may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Air Supply Setup

⚠ WARNING



TO PREVENT SERIOUS INJURY FROM EXPLOSION:

Use only clean, dry, regulated, compressed air to power this tool.

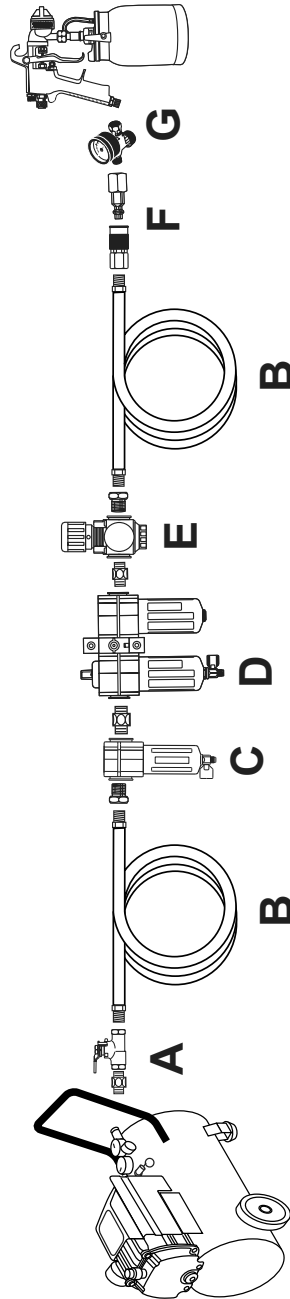
Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.

1. Incorporate a filter, regulator with pressure gauge, in-line shutoff valve, and quick coupler for best service, as shown on Figure A on page 8 and Figure B on page 9. **An in-line shutoff ball valve is an important safety device because it controls the air supply even if the air hose is ruptured. The shutoff valve should be a ball valve because it can be closed quickly.**
 2. Attach an air hose to the compressor's air outlet.
 3. Connect the air hose to the Air Coupler of the tool. Other components, such as a coupler plug and quick coupler, will make operation more efficient, but are not required.
 4. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.
 5. Close the in-line shutoff valve between the compressor and the tool.
 6. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
 7. Open the in-line shutoff valve.
 8. Adjust the air compressor's output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.
 9. Inspect the air connections for leaks. Repair any leaks found.
 10. If the tool will not be used at this time, turn off and detach the air supply and safely discharge any residual air pressure to prevent accidental operation.
- Note:** Do not use an automatic oiler system or add oil to airline. The oil will contaminate the material being propelled, ruining the final result.
- Note:** Air flow, and therefore tool performance, can be hindered by undersized air supply components.
- Note:** Residual air pressure should not be present after the tool is disconnected from the air supply. However, it is a good safety measure to attempt to discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and unpowered.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Figure A: Portable Air Supply Setup



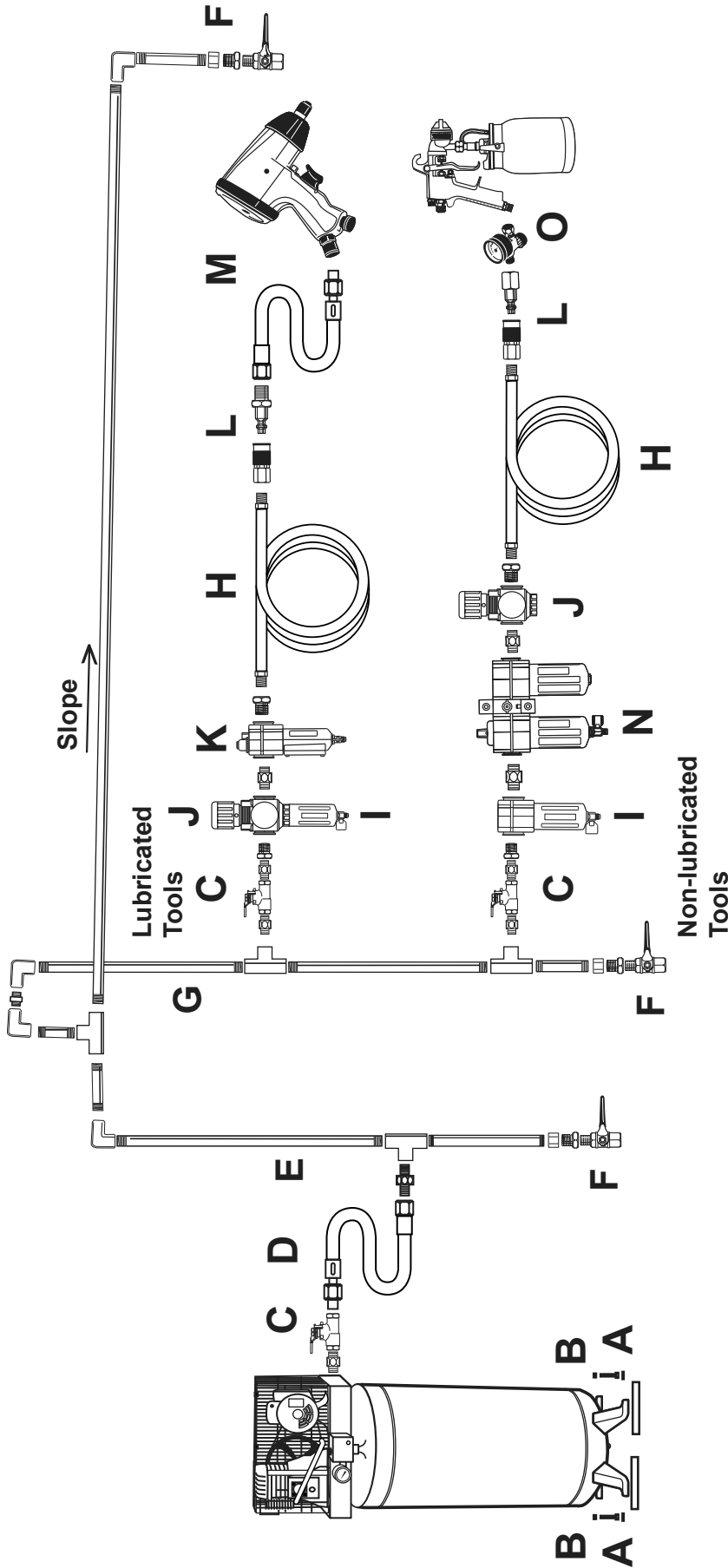
Description	Function
A Shut-off Ball Valve	Isolates sections of system for maintenance
B Air Hose	Connects air to tool
D Filter	Prevents dirt and condensation from damaging tool or workpiece
E Regulator	Adjusts air pressure to tool
F Coupler and Plug*	Provides quick connection and release
C Air Cleaner / Dryer*	Prevents water vapor from damaging workpiece
G Air Adjusting Valve*	For fine tuning airflow at tool

*Optional components.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Figure B: Stationary Air Supply Setup



Description	Function	Description	Function
I Filter	Prevents dirt and condensation contamination	J Regulator	Adjusts air pressure to tool
J Regulator*	Adjusts air pressure to tool	K Lubricator*	For air tool lubrication
K Lubricator*	For air tool lubrication	L Coupler and Plug	Provides quick connection and release
L Coupler and Plug	Provides quick connection and release	M Leader Hose*	Increases coupler life
M Leader Hose*	Increases coupler life	N Air Cleaner / Dryer*	Prevents moisture contamination
N Air Cleaner / Dryer*	Prevents moisture contamination	O Air Adjusting Valve*	For fine tuning airflow at tool
O Air Adjusting Valve*	For fine tuning airflow at tool		

*Optional components.

Description	Function
A Vibration Pads	For noise and vibration reduction
B Anchor Bolts	Secures air compressor in place
C Shut-off Ball Valve	Isolates sections of system for maintenance
D Isolation Hose	For vibration reduction
E Main Air Line - 3/4" min.	Distributes air to branch lines
F Ball Valve	To drain moisture from system
G Branch Air Line - 1/2" min.	Brings air to point of use
H Air Hose	Connects air to tool

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

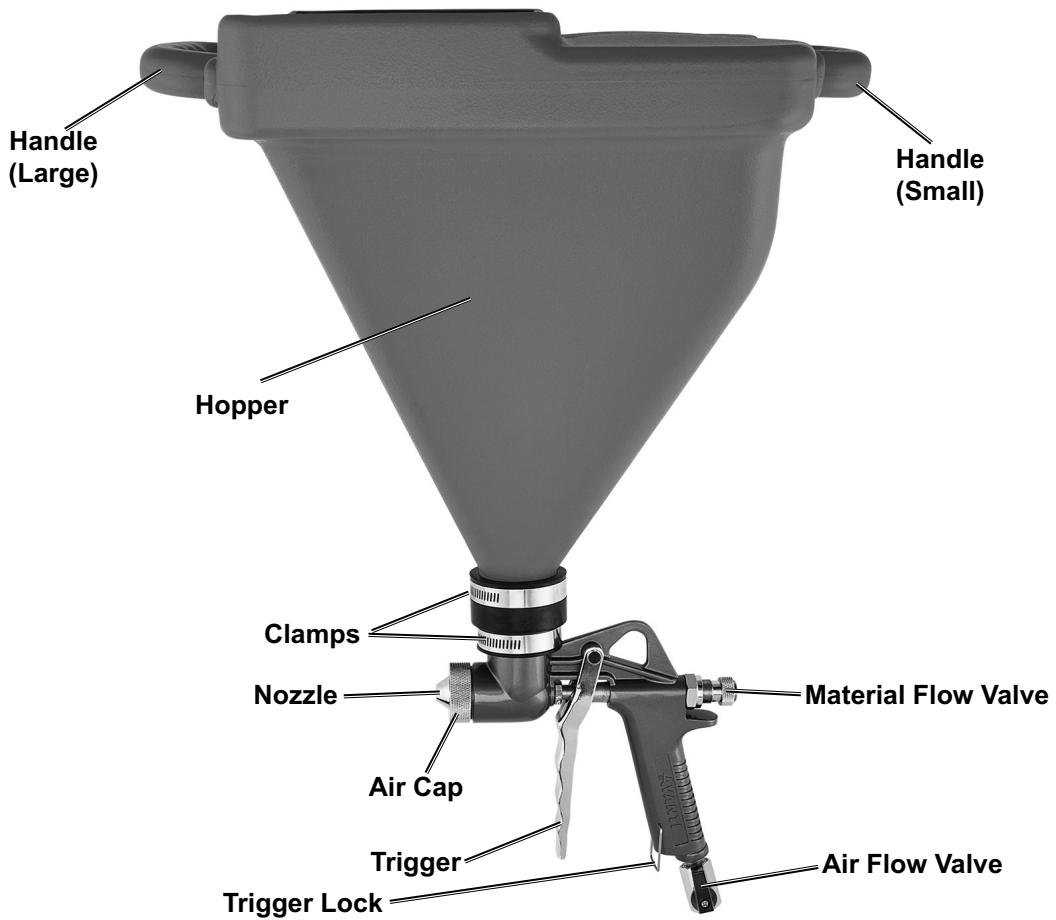
SAFETY

SETUP

OPERATION

MAINTENANCE

Components and Controls



NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Operating Instructions



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Inspect tool before use, looking for damaged, loose, and missing parts.
If any problems are found, do not use tool until repaired.

Workpiece and Work Area Setup

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the air hose along a safe path to reach the work area without creating a tripping hazard or exposing the air hose to possible damage. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.
3. Before spraying, mask nearby objects not being sprayed and lay cloths (not included) on the floors.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Spray Gun Setup

⚠ WARNING

TO PREVENT SERIOUS INJURY:

Do not adjust or tamper with any control or component in a way not specifically explained within this manual. Improper adjustment can result in tool failure or other serious hazards.

CAUTION! Keep hands away from Trigger while making adjustments.

Note: For use only with water-based drywall texture coating.

1. Attach Large Handle (32) to side of Hopper with opening. Use 4 Screws (34) to secure Handle.
2. Attach Small Handle (33) to opposite side of Hopper. Use 4 Screws (34) to secure Handle.

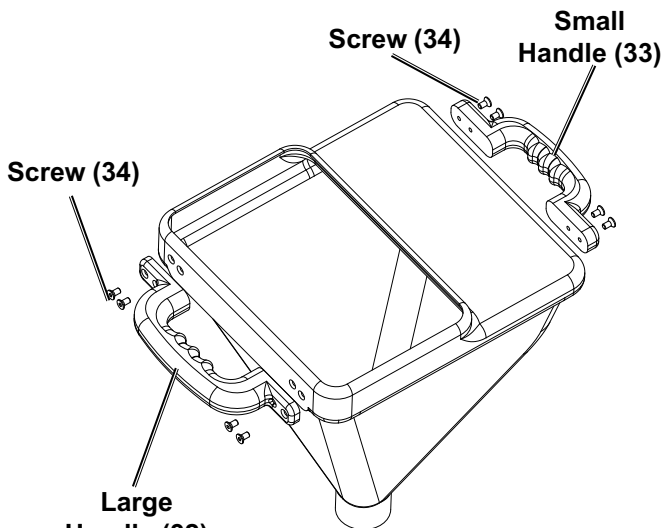


Figure C: Handle Attachment

3. Place Hopper over Port, Hopper opening should be on the front side of the Spray Gun. Push the Hopper down over the Port as far as it will go and securely tighten both Clamps. See Figure D.

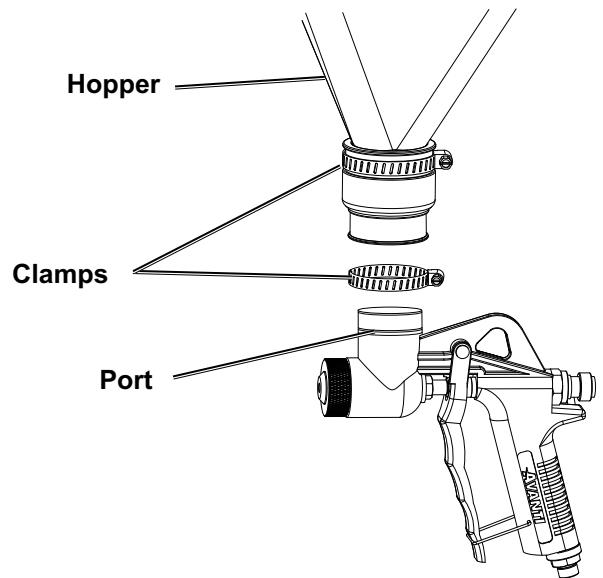


Figure D: Hopper Attachment

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

4. Choose the proper Nozzle for the job. Make sure Nozzle is clean before attaching it to the Spray Gun.

Note: The larger the Nozzle, the heavier the pattern.

5. Hand tighten Air Cap securely over Nozzle. See Figure E.

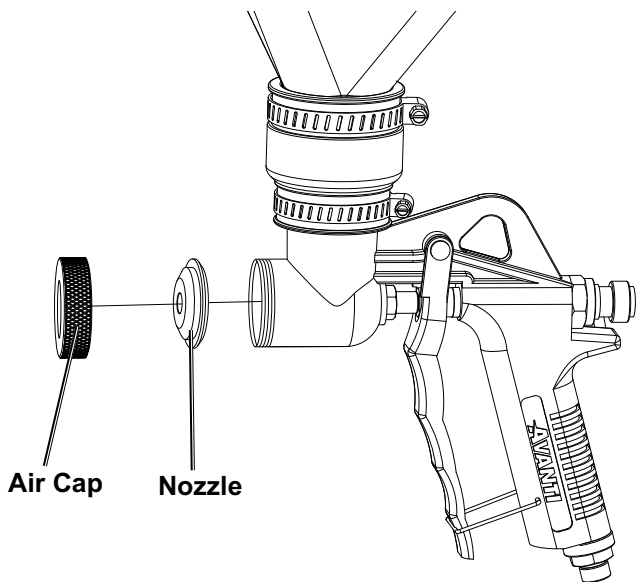


Figure E: Nozzle Attachment

Coating Preparation and Filling

Note: Proper coating mixture is essential. Most coatings will spray easily if they are mixed properly.

6. Mix the coating according to manufacturer's directions.
7. You may have to adjust the mixture several times until you achieve the proper consistency.
8. Fill the Hopper to 3/4 full.
9. Close Air Flow Valve by turning it 90° to Spray Gun body.



10. Connect Spray Gun to air source following instructions in *Air Supply Setup* on page 7.

11. Start the air compressor and set the regulator to needed pressure. **Do not exceed maximum air pressure.**

12. Open Air Flow Valve by turning it in-line with the Spray Gun body.



13. Squeeze Trigger to test the consistency of mixture by spraying on a piece of scrap material.
14. Adjust mixture, if necessary, according to the coating manufacturer's directions.
15. If the coating is the proper consistency, but is still not spraying properly, adjustments may be made by:
 - a. Adjusting Air Pressure.
 - b. Adjust Air Flow Valve.
 - c. Adjusting Material Flow Valve.
 - d. Changing the Nozzle.

Material Adjustment

16. Turn the Material Flow Valve clockwise until it is fully closed. See Figure E.

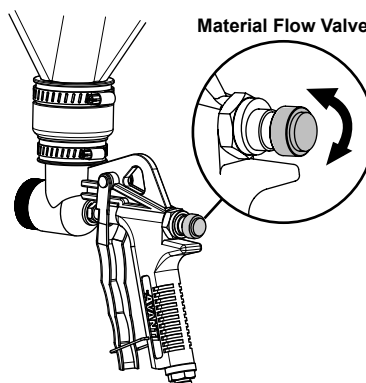


Figure F: Material Flow Valve Rotation

17. Squeeze the Trigger in short bursts while turning the Material Flow Valve counterclockwise to set the amount of fluid.
18. When the proper consistency has been achieved, see *Spraying Technique* on page 14.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Spraying Technique

IMPORTANT: Proper spraying technique is ESSENTIAL to achieve good results.

1. First, clean and prepare the Spray Gun according to the instructions under *Before First Use - Cleaning and Spray Gun Setup on page 12*.
2. Fill the Hopper to 3/4 full.

NOTICE: DO NOT STOP WHEN SPRAYING. Spraying materials will start to set and dry as soon as they come in contact with the air. They will cause a permanent clog if not cleared immediately. If discontinuing spraying for more than half an hour, turn off the air supply, disconnect Hopper from Gun Body and thoroughly rinse Hopper and Gun Body with water.

3. Use two hands, one to steady the Hopper and the other to operate the Spray Gun.
4. Open Air Flow Valve. Squeeze Trigger to start spraying.
5. For continuous spraying, use the Trigger Lock. See Figure G.

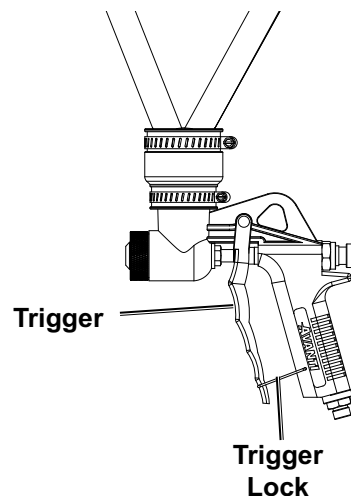


Figure G: Using Trigger Lock

CAUTION! Air hose fittings may get hot. Allow fittings to cool before disconnecting, or wear gloves to prevent burns.

6. To prevent accidents, release Trigger, close Air Flow Valve, detach air supply, safely discharge any residual air pressure, and again release Trigger after use.
7. **Clean the Spray Gun thoroughly IMMEDIATELY after EVERY use, according to *Cleaning on page 15*.**

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Cleaning

After Every Use

1. Empty the Hopper and rinse it with water.
2. Reduce air pressure to minimum, then fill the Hopper with water and spray it through the Spray Gun into a container.
3. Disconnect from the air source.
4. After disconnecting, point the Spray Gun into container and squeeze the Trigger again to make sure no air remains.
5. Rinse with water, then thoroughly blow dry all parts with compressed air.
6. Reassemble Spray Gun.
7. Use spray gun lubricant (sold separately) on EXTERNAL moving parts. (See Figure H)

Note: Do not immerse Spray Gun Body in liquid. Do not allow liquid to enter the Air Coupler.

5. Remove Nozzle by hand and soak it in water until it is clean. Use brush and toothpicks (sold separately) to remove any coating mixture.

Note: To prevent damage to the passages, do not use metal objects to clean the Nozzle.

6. Wipe down Spray Gun Body with a clean cloth and water.
7. Make sure all parts are free from residual coating mixture.

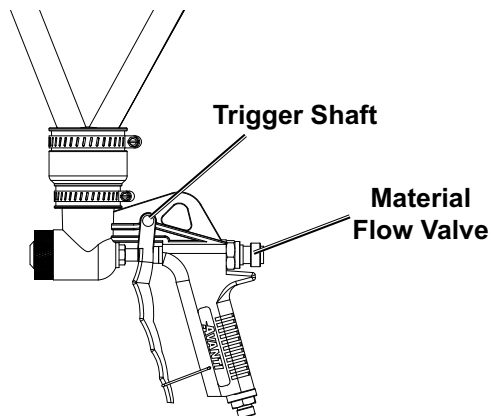


Figure H: External Moving Parts

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

User-Maintenance Instructions



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠ WARNING

TO PREVENT SERIOUS INJURY:

Detach the air supply and safely discharge any residual air pressure in the tool before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment.

If abnormal noise, vibration, or leaking air occurs, have the problem corrected before further use.

Inspection

Note: These procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the air-operated tool.

BEFORE EACH USE, inspect the general condition of the tool. Check for:

- loose screws,
- misalignment or binding of moving parts,
- clogged nozzle or fluid tip,
- damaged air supply hose,
- cracked or broken parts, and
- any other condition that may affect its safe operation.

Air Supply Maintenance

Every day, perform maintenance on the air supply according to the component manufacturers' instructions.


Storage

Store in a dry, secure area out of reach of children.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

General Troubleshooting Chart

Problem	Possible Causes	Likely Solutions
Sputtering Spray	1. Low mixture level. 2. Loose Hopper connection.	1. Refill. 2. Tighten Hopper connection.
Will Not Spray	1. No pressure at Spray Gun. 2. Fluid too thick.	1. Check air hoses. 2. Thin fluid or increase air pressure. (Do not exceed maximum.)
Overspray (Mixture drifting to unintended objects.)	1. Improper application speed. 2. Improper distance from workpiece. 3. Too much air pressure.	1. Move moderately and parallel. 2. Adjust distance. 3. Reduce air pressure.
Fluid Tip Leakage	Dirty Nozzle.	Use a nonmetallic point to clean Nozzle.
Air Leaking from Nozzle	1. Dirty Material Flow Valve. 2. Sticking Material Flow Valve.	1. Clean Material Flow Valve. 2. Lubricate Material Flow Valve.
 Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.		

SAFETY

SETUP

OPERATION

MAINTENANCE

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175442376 when ordering parts.

NOTICE

Clean the Spray Gun IMMEDIATELY after EVERY use.
Delayed or inadequate cleaning will permanently clog the Spray Gun.

Parts List and Diagram

Parts List

Part	Description	Qty	Part	Description	Qty
1	Air Cap	1	18	Needle Bushing	1
2A	3/16" Nozzle	1	19	Material Flow Needle Front	1
2B	1/4" Nozzle	1	20	Trigger Buckle	1
2C	5/16" Nozzle	1	21	Material Flow Seal Pack	1
3	Retainer Ring	1	22	O Ring	1
4	O Ring	1	23	O Ring	1
5	Hopper Clamp	1	24	Air Inlet Bushing	1
6	Hopper Clamp	1	25	Trigger Pin	1
7	Housing	1	26	O Ring	2
8	O Ring	2	27	O Ring	2
9	Material Flow Bushing	1	28	O Ring	1
10	Washer	1	29	Rubber Boot	1
11	Spring	1	30	Trigger	1
12	O Ring	1	31	Hopper	1
13	Material Flow Seal Bushing	1	32	Large Handle	1
14	O Ring	1	33	Small Handle	1
15	Material Flow Valve	1	34	Screw	8
16	Material Flow Needle Rear	1	35	Air Flow Valve	1
17	Material Flow Needle Middle	1			

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

The logo for AVANTI features the word "AVANTI" in a bold, black, sans-serif font. A stylized, white, arrow-like shape points to the left, overlapping the letter 'A'. A small "TM" trademark symbol is located at the bottom right of the word.

26677 Agoura Road • Calabasas, CA 91302 • 1-888-866-5797