

3M 26713

3M Performance Gravity HVLP Atomizing Head Refill Kit 26713, 1.3mm - Instruction Manual

Model: 26713 | Size: 1.3mm

INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of the 3M Performance Gravity HVLP Atomizing Head Refill Kit, model 26713, with a 1.3mm nozzle size. This kit is designed for use with the 3M Performance Spray Gun and the 3M PPS Series 2.0 Paint Cup System, offering consistent spray performance for various automotive coatings.

The unique design of these atomizing heads ensures that paint and coatings only pass through the replaceable nozzle, not the spray gun body. This design facilitates easier cleanup and helps maintain consistent spray quality.



Image: Packaging for the 3M Performance Gravity HVLP Atomizing Head Refill Kit, model 26713, 1.3mm size.

Safety Information

WARNING:

- For industrial/occupational use only. Not for consumer sale or use.
- 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.
- These products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature).
- Products must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations.

- Misuse of 3M industrial and occupational products may result in injury, sickness, or death.
- For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert.

PRODUCT COMPONENTS

The 3M Performance Gravity HVLP Atomizing Head Refill Kit (26713) includes:

- 5 Green 1.3mm Atomizing Heads

These atomizing heads are designed to be used with the 3M Performance Spray Gun and the 3M PPS Series 2.0 Spray Cup System.



Image: A pack of five 1.3mm 3M Performance Gravity HVLP Atomizing Heads.



Image: A detailed close-up of a single 3M Performance Gravity HVLP Atomizing Head, showing its design and 1.3mm size marking.

SETUP INSTRUCTIONS

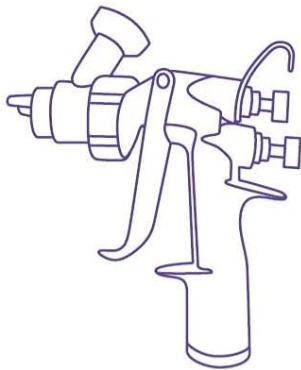
Proper setup of the atomizing head with your 3M Performance Spray Gun and PPS Series 2.0 system is crucial for optimal performance.

1. **Prepare the Spray Gun:** Ensure your 3M Performance Spray Gun is clean and ready for use.
2. **Select Atomizing Head:** Choose the appropriate atomizing head for your application. This kit provides 1.3mm heads, suitable for clearcoats, waterborne base coats, solvent base color, primer sealer, and wet-on-wet primer.
3. **Attach Atomizing Head:** Align the chosen atomizing head with the needle of the 3M Performance Spray Gun. Securely attach it to the spray gun body using the locking collar. No additional tools are required for this step.

4. **Connect PPS 2.0 System:** Attach the 3M PPS Series 2.0 Spray Cup System to the spray gun. This system includes paint cups, disposable lids, and liners for efficient material handling.
5. **Verify Connections:** Double-check all connections to ensure they are secure and leak-free before introducing paint material.

Spray Gun Gravity Setup

3M™ Performance Spray Gun



3M™ Parts and Accessories



Atomizing Head - Gravity
(1.2, 1.3, 1.4, 1.6, 1.8, 2.0)



Air Flow Valve



Locking Collar

Use with the 3M™ PPS™ Series 2.0 Spray Cup System



3M™ PPS™ 2.0 Paint Cups, All Sizes



3M™ PPS™ 2.0 Disposable Lids and Liners, 125 or 200 micron filter

Image: Diagram illustrating the 3M Performance Spray Gun, atomizing head, air flow valve, locking collar, and the 3M PPS Series 2.0 Spray Cup System components.

OPERATING INSTRUCTIONS

The 3M Performance Gravity HVLP Atomizing Heads are designed to deliver excellent pattern control, atomization, and transfer efficiency.

Nozzle Selection Guide (1.3mm)

The 1.3mm atomizing head is versatile and recommended for a range of coatings. Refer to the chart below for general guidance. Always consult the paint manufacturer's recommendations for specific fluid tip sizes.

1.3mm Atomizing Head Compatibility (Green)

Coating Type	Recommended
Clearcoats	✓
Waterborne Base Coats	✓

Coating Type	Recommended
Solvent Base Color	✓
Primer Sealer	✓
Wet on Wet Primer	✓
High Viscosity Coatings	
Sprayable Fillers	
High Build Primer	
Primer Surfacer	
Direct Gloss	
Single Stage Top Coat	
UV Primers	
Midcoat / Effect Coats	
Smart / Spot Repair	

3M™ Performance Gravity HVLP Atomizing Head Sizes

for 3M™ Performance Spray Gun


	2.0	1.8	1.6	1.4	1.3	1.2	0.9
							
High Viscosity Coatings							
Sprayable Fillers							
High Build Primer							
Primer Surfacer							
Wet on Wet Primer							
Primer Sealer							
Direct Gloss							
Single Stage Top Coat							
Solvent Base Color							
Clearcoat							
Waterborne Base Coat							
UV Primers							
Midcoat / Effect Coats							
Smart / Spot Repair							

Image: A detailed chart showing recommended 3M Performance Gravity HVLP atomizing head sizes for different automotive coating types, including 1.3mm.

Spraying Process

Once the atomizing head and PPS 2.0 system are securely attached and filled with the desired coating, proceed with your standard spraying techniques. The HVLP design ensures high transfer efficiency and fine atomization for a smooth finish.



Faster Cycle Times

Integrated system with 3M™ PPS™ Series 2.0 Spray Cups and replaceable nozzles means faster changeovers and more time in the zone.

Image: A technician using the 3M Performance Spray Gun with a PPS 2.0 cup, demonstrating efficient application.

MAINTENANCE AND CLEANING

The design of the 3M Performance Spray Gun system simplifies maintenance and cleaning, as paint only passes through the atomizing head.

1. **Remove Atomizing Head:** After use, twist the locking collar to release the atomizing head from the spray gun body.
2. **Clean or Replace:**
 - For reuse, clean the atomizing head thoroughly with an appropriate solvent. Ensure all paint residue is removed from the fluid tip and internal passages.
 - Alternatively, dispose of the used atomizing head and replace it with a new one from the refill kit. This effectively provides a new spray gun with each nozzle change.

3. **Clean Spray Gun Needle:** Wipe the spray gun needle clean. Since paint does not pass through the gun body, extensive cleaning of the gun itself is not required.
4. **Dispose of PPS 2.0 Components:** Dispose of the used PPS Series 2.0 liner and lid according to local regulations.



Cleans in Seconds

Simply twist the locking collar, remove the atomizing head and wipe the needle clean. Swap with a new nozzle, and you're ready to spray your next job.



Image: A close-up of hands demonstrating the quick and easy process of removing an atomizing head from the 3M Performance Spray Gun.

TROUBLESHOOTING

This section addresses common issues that may arise during the use of the 3M Performance Gravity HVLP Atomizing Heads.

- **Poor Spray Pattern or Atomization:**

- Ensure the atomizing head is securely attached and not damaged.
- Verify that the correct air pressure is being supplied to the spray gun.
- Check if the paint material is properly thinned and filtered.
- If the head has been reused, ensure it is thoroughly cleaned and free of dried paint. Consider replacing with a new atomizing head.

- **Leaking from Atomizing Head Connection:**

- Confirm the atomizing head is fully seated and the locking collar is tightened.
- Inspect the O-rings on the atomizing head for damage or wear. Replace the head if necessary.

- **Inconsistent Material Flow:**

- Ensure the PPS Series 2.0 liner is not collapsed and there is no air ingress.
- Check for blockages in the fluid tip of the atomizing head.
- Verify the paint material viscosity is appropriate for the 1.3mm nozzle.

SPECIFICATIONS

Feature	Detail
Brand	3M
Model Number	26713
Nozzle Size	1.3mm
Color	Green
Feed Type	Gravity- HVLP
Material	Metal (internal components), Plastic (housing)
Item Weight	0.09 Kilograms (approx. 3.17 ounces)
Product Dimensions	Approximately 7 x 3 x 3 inches (packaged)
Compatibility	3M Performance Spray Gun, 3M PPS Series 2.0 Paint Cups
Special Features	Gravity Feed, High Volume Low Pressure (HVLP)

WARRANTY AND SUPPORT

For specific warranty information regarding the 3M Performance Gravity HVLP Atomizing Head Refill Kit, please refer to the documentation included with your original 3M Performance Spray Gun or contact 3M customer support directly.

For technical assistance, product inquiries, or to report any issues, please visit the official 3M website or contact their customer service department. Ensure you have your product model number (26713) available when seeking support.

Online Resources: www.3m.com