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> 3M HVLP High Performance Flow Cup Nozzle Head 1.6 mm (Model 26716) Instruction Manual

**3M 26716**

# 3M HVLP High Performance Flow Cup Nozzle Head 1.6 mm (Model 26716) Instruction Manual

Model: 26716 | Brand: 3M

## INTRODUCTION

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This instruction manual provides essential information for the proper use and maintenance of the 3M HVLP High Performance Flow Cup Nozzle Head, 1.6 mm, Model 26716. Designed for professional applications, this atomizing head ensures superior spray performance, excellent atomization, and high transfer efficiency when used with compatible 3M spray gun systems.



Image: The 3M HVLP High Performance Flow Cup Nozzle Head, 1.6 mm, showing its design and the "Pack of 5" label.

## SAFETY INFORMATION

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Always wear appropriate personal protective equipment (PPE) including respirators, safety glasses, and gloves when operating spray equipment. Ensure adequate ventilation in the work area. Refer to the safety data sheets (SDS) for the materials being sprayed. Disconnect air supply before performing any maintenance or changing components.

## PRODUCT COMPONENTS

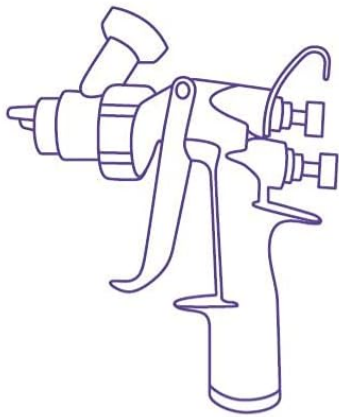
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The 3M HVLP High Performance Flow Cup Nozzle Head (Model 26716) is part of a comprehensive spray system. Key components include:

- **Atomizing Head:** The core component responsible for material atomization. Model 26716 is a 1.6 mm size.
- **3M Performance Spray Gun:** The main body of the spray gun (sold separately) to which the atomizing head attaches.
- **Air Flow Valve:** Regulates air pressure for optimal spray patterns.
- **Locking Collar:** Secures the atomizing head to the spray gun body.
- **3M PPS™ Series 2.0 Spray Cup System:** Compatible paint cups, disposable lids, and liners for efficient material handling and reduced cleaning.

## 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: A diagram illustrating the components of the 3M Spray Gun Gravity Setup, including the spray gun, atomizing head, air flow valve, and locking collar. It also shows the 3M PPS™ Series 2.0 Paint Cups, Lids, and Liners.

## SETUP

1. **Prepare the Spray Gun:** Ensure the 3M Performance Spray Gun is clean and free from any previous material.
2. **Attach the Atomizing Head:** Align the 1.6 mm atomizing head (Model 26716) with the spray gun body. Twist the locking collar to securely fasten the head. The design ensures no material flows through the gun body, simplifying cleaning.
3. **Connect PPS Cup System:** Attach a compatible 3M PPS™ Series 2.0 Paint Cup with a disposable lid and liner to the spray gun.

4. **Fill with Material:** Pour the desired coating material into the PPS cup liner.
5. **Connect Air Supply:** Attach the air hose to the spray gun, ensuring the air flow valve is properly installed and adjusted to the recommended pressure for your material.



Image: A person attaching a 3M PPS™ Series 2.0 Paint Cup to the spray gun, demonstrating the integration of the cup system.

## OPERATING INSTRUCTIONS

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The 1.6 mm atomizing head is versatile and suitable for various coatings. Refer to the chart below for recommended applications.

# 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 chart detailing recommended applications for various 3M Performance Gravity HVLP Atomizing Head sizes, including the 1.6 mm head, for different types of coatings such as High Build Primer and Primer Surfacer.

1. **Adjust Air Pressure:** Set the air pressure according to the material manufacturer's recommendations and the desired spray pattern.
2. **Test Spray:** Always perform a test spray on a scrap surface to verify the spray pattern and material flow before applying to the actual workpiece.
3. **Application:** Maintain a consistent distance and angle from the surface. Overlap each pass by approximately 50% for even coverage.
4. **Optimal Performance:** The 3M HVLP system provides excellent atomization and transfer efficiency, resulting in a high-quality finish.



## Precision Performance

Spray solid colors, metallics, pearls, clear coats, sealers, and primers with the high transfer efficiency and atomization you expect from a premium professional spray gun.

Image: A professional technician demonstrating precision spraying with the 3M Performance Spray Gun, highlighting the quality of application.

## MAINTENANCE

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Regular maintenance ensures the longevity and consistent performance of your 3M HVLP atomizing head.

1. **Cleaning the Atomizing Head:** After each use, disconnect the air supply. Twist the locking collar to remove the atomizing head from the spray gun body.
2. **Wipe Clean:** Wipe the needle and the exterior of the atomizing head clean with a suitable cleaning agent. Since no material passes through the gun body, cleaning is significantly simplified.
3. **Nozzle Replacement:** For optimal performance and to effectively clean the system, it is recommended to replace the atomizing head as needed. Each replacement provides the performance of a new spray gun.
4. **Storage:** Store the atomizing heads in a clean, dry environment.



## 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: Hands demonstrating the quick removal of the atomizing head by twisting the locking collar, followed by wiping the needle clean, illustrating the "Cleans in Seconds" feature.

## TROUBLESHOOTING

If you encounter issues during operation, consider the following common troubleshooting steps:

- **Poor Spray Pattern:**
  - Check air pressure settings.
  - Ensure the atomizing head is clean and free of dried material.
  - Verify the material viscosity is appropriate for the 1.6 mm nozzle.
- **Material Leaking:**
  - Ensure the atomizing head is securely attached with the locking collar.
  - Check for any damage to the atomizing head or PPS cup system.

- **No Material Flow:**

- Confirm the PPS cup system is properly assembled and material is present.
- Check for blockages in the atomizing head.

For persistent issues, consult a qualified technician or contact 3M customer support.

## SPECIFICATIONS

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Feature	Detail
Brand	3M
Model Number	26716
Nozzle Size	1.6 mm
Material	Metal (internal components), Composite (housing)
Item Dimensions (L x W x H)	17.8 x 7.6 x 7.6 cm (approximate for the head assembly)
Number of Pieces	5 (as typically sold in a pack)
Included Components	Performance Gravity HVLP atomizing head kit
Inlet Connection Type	Compression Valve (referring to the gun's connection)
Outlet Connection Type	Push-to-Connect (referring to the head's connection)
UPC	051131267169

## WARRANTY INFORMATION

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3M products are manufactured to high standards. For specific warranty details regarding the 3M HVLP High Performance Flow Cup Nozzle Head, please refer to the official 3M website or contact 3M customer service directly. Keep your purchase receipt as proof of purchase.

## CUSTOMER SUPPORT

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For technical assistance, product inquiries, or to report any issues, please contact 3M customer support. Visit the official 3M website for contact information and additional resources.

**Online Resources:** [www.3m.com](http://www.3m.com)

