



Automotive Aftermarket Division

3M™ Performance Spray Gun H/O Conversion Pack 26837

1) Part Numbers

3M Part Numbers	3M Part Descriptor
Gun Kits	
26837	3M™ Performance Spray Gun H/O Conversion Pack
26778	3M™ Performance Spray Gun System Gravity
26832	3M™ Performance Spray Gun
26878	3M™ Performance Industrial Spray Gun System
Atomizing Head Refill Kits - Gravity	
26712	Atomizing Head Gravity - Blue 1.2
26713	Atomizing Head Gravity - Green 1.3
26714	Atomizing Head Gravity - Orange 1.4
26716	Atomizing Head Gravity - Purple 1.6
26718	Atomizing Head Gravity - Clear 1.8
26720	Atomizing Head Gravity - Red 2.0

2) Description and end uses

The 3M™ Performance Spray Gun H/O Conversion Pack converts the 3M™ Performance Spray Gun into a pressurised gravity spray gun, to be used with a pressurised H/O cup system to provide superior application of high viscosity coatings.

The innovative replaceable 3M™ Atomizing Heads allow for increased productivity, reduction in coating consumption and maximize the benefits of the 3M™ PPS™ Series 2.0 System.



Technical Data Sheet

Effective: 09/03/2022 Supersedes: NA

Used with the 3M™ PPS™ Series 2.0 Type H/O Pressure Cup (High Output) and any of the available heads, a large variety of patterns and textures can be achieved, ideal for application of functional coatings and matching OEM appearance.

- Provides the equivalent of a brand-new pressurized spray gun on demand for a fraction of the cost
- Reduces gun cleaning time
- Improves productivity and profitability

3M™ PPS™ Type H/O (High Output) Pressure Cup is a pressurized hard cup and collar that supports and holds the disposable 3M™ PPS™ Lids & Liners.

3M™ PPS™ Type H/O Pressure Cup is designed for high viscosity, thick liquid materials. Its primary use is for high viscosity liquid materials (such as protective coatings) that require pressure assistance in a gravity filled delivery system that provides the PPS™ benefits.

- Use to support PPS™ Series 2.0 lids & liners for the matching 3M™ PPS™ Series 2.0 H/O Pressure Cup System
- Achieve various coating textures easily
- Profit from the benefits of the PPS™ System for protective coatings
- Great for a variety of materials from liquid to highly viscous (thick)

3) Physical Properties

Element	Material of construction
Control Knobs	Base: 6061 Alum Coating: Type III Black Anodized

4) Directions for Use

The 3M™ Performance Spray Gun H/O Conversion Pack replaces the existing fan control assembly on the The 3M™ Performance Spray Gun. To fit simply remove the upper two grub screws from either side of the spray gun body, remove the fan control knob and replace with the 3M™ Performance Spray Gun H/O Conversion Pack and refit the two grub screws.

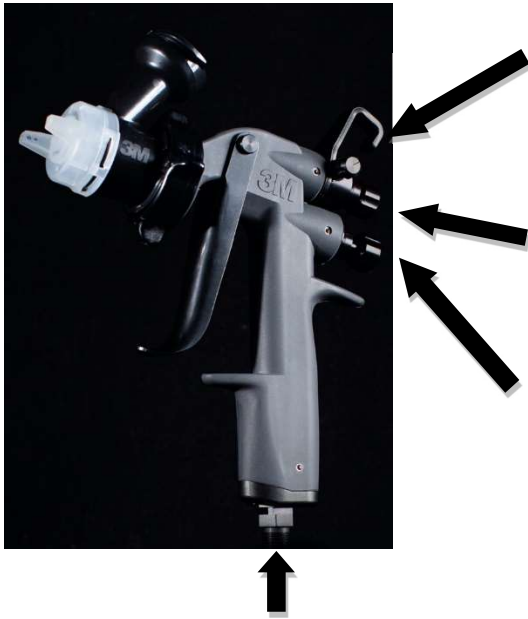
Note: the H/O control knob is fully open at 1 turn.



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Below are tables that show some helpful spray gun adjustment settings for common 3M™ texture coatings with the 3M™ Performance Spray Gun when using the H/O Conversion Pack (26837) with gravity feed atomizing heads. The following information is only a starting point, as painters & technicians will be able to dial in the spray gun to their preferred style of application¹. Before setting the spray gun to the recommendations, close the air valve, fluid knob, and fan knob by rotating them fully clockwise until they bottom out.



H/O Knob:
Each setting refers to rotating the H/O knob outward from the fully closed position the number of rotations listed in the table. Note that 1 turn is fully open although the knob can rotate entirely out for cleaning.

Fan Knob:
Each setting refers to rotating fan knob outward from the fully closed position the number of full rotations listed in the table.

Fluid Knob:
This setting refers to rotating the fluid knob outward from the fully closed position the number of full rotations listed in the table. If the technician is more comfortable feathering the trigger, that can also be done rather than restricting trigger travel with the fluid knob.

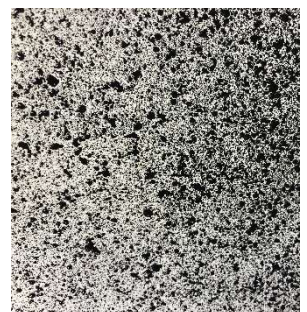
Setting the Air Pressure:
Make sure you are pulling the trigger on the Performance Spray Gun while setting the air pressure, this is a dynamic pressure reading, not static. To deliver adequate air, you will need to have a compressor sized appropriately to deliver ~13CFM of air or greater.

3M™ Waterbased Coatings (Stonechip)

3M PNs 08881 /08882 – Waterbased coating

Coarse Texture¹

3M 08881 / 08882 – Waterbased coating	
Texture	Tip Size
Coarse	2.0
Fan, Turns ²	Fluid, Turns ²
1/2 - 1	3 1/2 (Full)
H/O knob, Turns ²	Inlet Air Pressure, psi (bar)
1 (Full)	3 – 5 (0.20 – 0.35)





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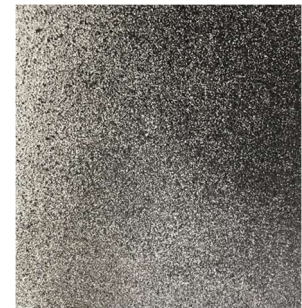
Medium Texture¹

3M 08881 / 08882 – Waterbased coating	
Texture	Tip Size
Medium	2.0
Fan, Turns ²	Fluid, Turns ²
1	2
H/O knob, Turns ²	Inlet Air Pressure, psi (bar)
1 (Full)	10 (0.70)



Fine Texture¹

3M 08881 / 08882 – Waterbased coating	
Texture	Tip Size
Fine	2.0
Fan, Turns ²	Fluid, Turns ²
1	1 1/4
H/O knob, Turns ²	Inlet Air Pressure, psi (bar)
1 (Full)	20 (1.38)



¹These settings are starting points for the target pattern, which was described above, each user will have their own desired pattern and the spray gun can be adjusted accordingly to optimize the performance for their application.

²Turns are measured from closed in full 360-degree rotations counter-clockwise outward

*To keep things simple, all texture coatings were sprayed with the 2.0 size gravity atomizing head (26720). When spraying primarily finer textures, utilizing smaller tip sizes may be beneficial but not necessary

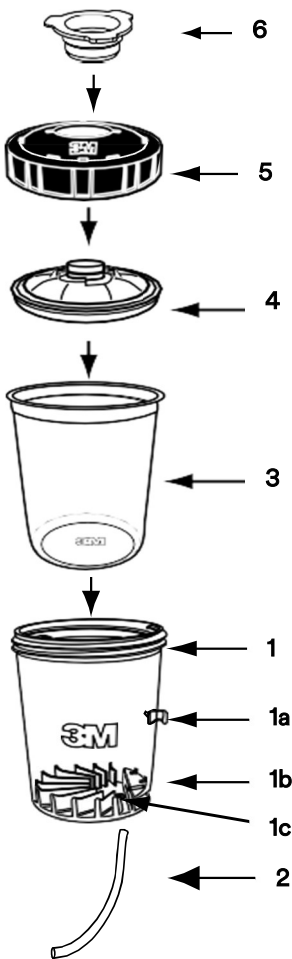
3M™ PPS™ Series 2.0 Pressure Cup Overview

Assembling the H/O cup

3M™ PPS™ Series 2.0 Kit Part Number References			
Part Number	Description	Filter Size, Micron	Filter Tab
26124	Large/Standard Size H/O Hard Cup	N/A	N/A
26121	Midi/Mini Size H/O Hard Cup	N/A	N/A
26024	Large (850 ml)	200	No
26000	Standard (650 ml)	200	No
26112	Midi (400 ml)	200	Yes
26114	Mini (200 ml)	200	Yes
26325	Large (850 ml)	125	No
26301	Standard (650 ml)	125	No
26312	Midi (400 ml)	125	Yes
26314	Mini (200 ml)	125	Yes

Construction of the H/O Pressure Cup

The PPS™ Series 2.0 H/O Pressure Cup comes in two sizes. The larger of the two will work with the Large and Standard size PPS 2.0 lids and liners. The smaller of the two will fit the midi and mini size PPS 2.0 lids and liners.



Item	Description	3M Part Number
1	3M™ PPS™ Series 2.0 Type H/O Pressure Cup	26124 – Large 26121 – Midi
1a	Pressure Hose Clip	
1b	Pressure Hose Port	
1c	Pressure Relief Valve	
2	Pressure Hose	
3	3M™ PPS™ 2.0 Spray Cup System Liner	26740 – Large 125 micron 26024 – Large 200 micron 26026 – Standard 125 micron 26000 – Standard 200 micron
4	3M™ PPS™ 2.0 Lid	26312 – Midi 125 micron 26112 – Midi 200 micron 26752 – Mini 125 micron 26114 – Mini 200 micron 20730 – Standard UV Kit 125 micron 26710 – Standard UV Kit 200 micron
5	3M™ PPS™ Retaining Collar Shroud Assembly	Included with 26124 Included with 26121
6	3M™ PPS™ Series 2.0 Plug	Included in PPS 2.0 Kits

Step-by-step Cup Assembly

- 1) Select the correct H/O Pressure cup for the job



OR

- 2) Insert the appropriate size liner for the job



- 3) Prepare the correct size lid
 - a. Remove the locking collar from the PPS lid



- b. (Optional) Remove* the filter from the inside of the lid
**Either cut a slit to allow for a better grip when pulling it off or use the tab if applicable*



- 4) Snap the lid onto the liner inside the hard cup



- 5) Secure the H/O collar to the hard cup



- 6) Attach the air supply hose
(Optional) Cut the hose to length if it is new - excess is provided



- 7) Attach to the cup to the Performance Spray Gun nozzle before inverting the cup



- 8) Attach the loose end of the air hose to the H/O conversion Pack supply port





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5) Storage

Ensure equipment is cleaned prior to storage.
Store spray gun with a nozzle attached to protect the needle.

6) Safety

Before using this product, reference and understand the Product Label and Product Manual for Health and Safety Information. Consult all Safety Data Sheets for chemical material used with this product. Follow all local regulations for use and disposal of all items/products associated with the use of this product.

3M™ Performance Spray Gun is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, 3M expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.



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