

3M™ Accuspray™ System HVLP Spray Gun
3M™ PPS™ Paint Preparation System

Improve Productivity Reduce Waste

3M™ Accuspray™ System is the equivalent of having a brand new HVLP spray gun for a fraction of the cost with each disposable nozzle replacement.

3M™ PPS™ Paint Preparation System is an innovative system for mixing and spraying both solvent based and waterborne materials.



3M



The innovative replaceable atomizing head allows for the following benefits:

How The System Works

Reduces Coating Consumption

- Minimizes overspray

Boosts Productivity

- Lowers spraying time
- Decreases sanding time
- Eliminates costly gun maintenance

Maximizes Benefits of the 3M™ PPS™ System

- Reduces gun cleaning time
- Uses less solvent for clean up
- Helps decrease disposal cost
- Improves productivity and profitability



1
Hand tighten or use two wrenches to connect the air flow control valve.



2
Attach an atomizing head to the gun - pull trigger back and hold, making sure the release buttons are aligned with latch openings - listen for a double click to ensure that it is fully engaged.



3
Attach 3M™ PPS™ cup filled with coating and attach compressed air hose.



7
Flush out atomizing head with appropriate solvent until the atomizing head is clear of coating.



8
Remove atomizing head - be sure to pull trigger back and pull the atomizing head straight out from the gun body to avoid bending the fluid needle.



9
Wipe off any additional residue from the fluid needle.



Technical Data

Weight	11.4 oz
Nozzle Size	1.4 mm, 1.8 mm, 2.0 mm
Operating Pressure (Full Trigger)	20 psi max
Air Consumption	10 cfm



4 Set air pressure at 20 psi at full trigger (air and fluid flowing).



5 Adjust fan and fluid flow to achieve the desired size and wetness of the pattern. **NOTE:** when closing the fan adjustment completely it may be necessary to re-adjust the air flow control valve.



6 When you are finished using the system remove the air line and 3M™ PPS™ Cup.



10 Inspect atomizing head for damage or wear which could result in fluid leaks or poor performance.



11 Re-attach the same atomizing head or when necessary replace with a new one.



3M™ PPS™ Paint Preparation System

An innovative system from 3M which enables painters to mix less paint and drastically reduces the amount of solvent and technician time required for gun cleaning, improving operator efficiency by as much as 15%.

3M™ PPS™ Paint Preparation System is a unique, closed paint system which eliminates the need for traditional mixing cups and paint strainers. Now, paint can be mixed and sprayed out of the same 3M™ PPS™ liner with a lid and built-in filter. Specifically designed adapters allow painters to use the 3M™ PPS™ system with virtually any spray gun. A key advantage of this closed system is that it enables a painter's spray gun to function at any angle, even upside down! The liner, lid and built-in filter are all disposable, leaving only the adapter and spray gun to be cleaned. The 3M™ PPS™ system is therefore a cleaner, faster system, safe from outside contamination and offers considerable time and solvent savings in regards to gun cleaning.

1



Remove existing cup from spray gun.

2



Thread correct adapter to spray gun.

3



Remove liner from wall dispenser and place into 3M™ PPS™ mixing cup. Weigh the paint according to paint manufacturer's guidelines.

4



If not using a scale to measure, insert 3M™ PPS™ mix ratio film into cup before inserting liner in order to measure the paint according to paint manufacturer's guidelines.

5



Mix product as needed.

6



Take a lid (with built-in filter) from wall dispenser and snap into the 3M™ PPS™ cup/liner.

7



Position locking collar onto the 3M™ PPS™ cup/liner and turn until tight. Insert sealing plug prior to shaking.

8



3M™ PPS™ shaker core is used to distribute clamping force when shaker machines are used to mix material.



9a

Spray gun with correct adapter is attached with a quick quarter turn.



9b

Make sure that the lid fingers are fully engaged above adapter edge.



10

The spray gun is now ready to spray as normal. **NOTE:** For spraying upside-down, follow directions in the "Tips" section on purging air.



11

Due to the fact that 3M™ PPS™ is a closed system, painters may now spray their gun completely perpendicular to their intended surface without fear of material dripping on their job.



12

To return material back into gun cup before disconnecting spray gun, disconnect air line, invert gun (gravity feed only) and pull trigger fully for a few seconds.



13

Remaining material can be capped and stored for later use. Storage of paint should follow all local regulations.



14

When you're done using the system, the lid and liner can easily be removed from the cup.



15

Remove unused material from the liner and place into proper disposal container.



16

Consult paint or solvent Material Safety Data Sheet (MSDS) in addition to local regulations or authorities for safe use and proper disposal.



17

A squeeze bottle (PN 37720) containing solvent or water enables fast gun cleaning once the 3M™ PPS™ cup is removed. More efficient painters make facility more productive.

3M™ PPS™ Paint Preparation System





Reduces
Overspray



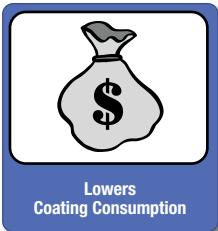
Improves Transfer
Efficiency



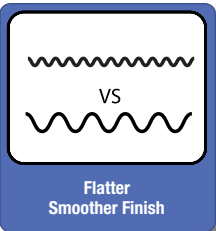
Decreases
Sanding Time



Reduces Solvent
Consumption



Lowers
Coating Consumption



Flatter
Smoother Finish



Reduces
Clean Up Time



Creates "Like New"
Gun Performance

It's Easy as Click and Spray

This revolutionary product allows you to have a brand new spray gun on demand. The innovative technology was designed from the inside out for the efficient and economical application of material. These atomizing heads deliver a large usable pattern, with very low overspray and exceptional atomization.



Part No.	Description	Items/Billing Unit	Billing Units/Case
16570	3M™ Accuspray™ Spray Gun Model HG18 (1 HVLP Spray Gun, 3 - 1.8 mm Nozzles & Air Control Valve)	1	1
16577	3M™ Accuspray™ Spray Gun Model HG14 (1 HVLP Spray Gun, 3 - 1.4 mm Nozzles, Air Control Valve)	1	1
16587	3M™ Accuspray™ HGP Spray Gun Kit - Use with PPS™ Type H/O Pressure Cup (1 HVLP HGP Spray Gun, 2 - 2.0 mm Nozzles, 2 - 1.8 mm Nozzles, and Air Control Valve)	1	1
16609	3M™ Accuspray™ Atomizing Head Refill Kit, 2.0 mm (4 Nozzles)	4	6
16611	3M™ Accuspray™ Atomizing Head Refill Kit 1.8 mm (4 Nozzles)	4	6
16612	3M™ Accuspray™ Atomizing Head Refill Kit 1.4mm (4 Nozzles)	4	6
16571	3M™ Accuspray™ Fluid Needle	1	1
16572	3M™ Accuspray™ Test Air Cap	1	1
16573	3M™ Accuspray™ Air Flow Control Valve	1	1
16121	3M™ PPS™ Type H/O Mini Pressure Cup - Use with PN 16587	1	4
16124	3M™ PPS™ Type H/O Pressure Cup - Use with PN 16587	1	2
16605	3M™ Accuspray™ HG18 Large PPS™ Starter Kit (1 HG18 Spray Gun Kit, 1 Large Case of PPS™ Lids and Liners, 1 Large PPS™ Cup & Collar, 2 boxes of 1.8 mm Nozzles)	1	1

For more information, contact your 3M sales representative today for procedure and application recommendations or check out our website at 3MSpraysolutions.com

Contact your local 3M representative for gun model specific adaptors.



Part No.	Description	Items/Box	Boxes/Case
200 Micron Lids & Liners			
16024	Large Lids and Liners w/200 micron filters	25	1
16000	Standard Lids and Liners w/200 micron filters	50	1
16112	Midi Lids and Liners w/Full Diameter 200 micron filters	50	1
16114	Mini Lids and Liners w/Full Diameter 200 micron filters	50	1
16028	3 oz Lids and Liners w/Full Diameter 200 micron filters	50	1
125 Micron Lids & Liners			
16325	Large Lids and Liners w/Full Diameter 125 micron filters	25	1
16301	Standard Lids and Liners w/Full Diameter 125 micron filters	50	1
16312	Midi Lids and Liners w/Full Diameter 125 micron filters	50	1
16314	Mini Lids and Liners w/Full Diameter 125 micron filters	50	1
16328	3 oz Lids and Liners w/Full Diameter 125 micron filters	50	1
16324	Large Lids and Liners w/125 micron filters	25	1
16300	Standard Lids and Liners w/125 micron filters	50	1
Lids Only			
16199	Std./Lg. LIDS ONLY w/Full Diameter 125 micron filters	25	1
16200	Std./Lg. LIDS ONLY w/200 micron filters	25	1
16201	Mini LIDS ONLY w/Full Diameter 200 micron filters	25	1
16202	Std./Lg. LIDS ONLY w/125 micron filters	25	1
16203	Mini LIDS ONLY w/Full Diameter 125 micron filters	25	1
16204	Midi LIDS ONLY w/Full Diameter 200 micron filters	25	1
16205	Midi LIDS ONLY w/Full Diameter 125 micron filters	25	1
Cups & Collars			
16001	Standard Cup/Collar	2	4
16023	Large Cup/Collar	1	4
16115	3 oz Cup/Collar	2	4
16115	Mini Cup/Collar	2	4
16121	Type H/O Pressure Cup (mini)	1	4
16122	Midi Cup/Collar	2	4
16124	Type H/O Pressure Cup (large)	1	2
Accessories			
16098	Mini Lid/Liner Dispenser	1	1
16099	Large / Standard / Midi Lid Dispenser	1	1
16019	Large / Standard / Midi Liner Dispenser	1	1
16068	3 oz Waterborne Generic Mix Ratio Inserts	10	5
16066	Mini Generic Mix Ratio Inserts	10	5
16065	Standard Generic Mix Ratio Inserts	10	10
16091	Large Generic Mix Ratio Inserts	10	10
16555	Midi Mix Ratio Inserts	10	1
16236	PPS™ Spray Gun Holder	1	5
16010	PPS™ Carrier (holds Standard or Large Cups)	1	1



Key Benefits of using the 3M™ PPS™ Paint Preparation System

- Only one 3M™ PPS™ cup for mixing and spraying
- Enables painters to mix less paint
- Up to 70% savings of cleaning solvent
- Closed system - no outside contamination
- Faster system - from mixing to disposal
- Less operator exposure to solvents. Designed to help reduce VOCs.
- Spray gun functions at any angle
- Available in 5 sizes: 3, 6, 13.5, 22, & 28 fl oz (90, 180, 400, 650 & 850 mL)




For more information, contact your 3M sales representative today for procedure and application recommendations or check out our website at 3MSpraysolutions.com











3M™ Accuspray™ Family of Products Chart

Higher Volume

Fluid Tip	Med-Heavy Viscosity, Higher Volumes	 VISCOSITY
 <p>2.0 mm 1.8 mm 1.4 mm</p>	<p>Marine & Composites Gel Coats, Adhesives, Bottom Paints, Sound Dampening Coatings</p> <p>Woodworking Latex Paints, Adhesives</p> <p>General Industrial Epoxies, Undercoatings, Hi-build Primers</p> <p>Transportation (Air and Wheeled) Undercoatings, Adhesives, Specialty Coatings</p>	 <p style="background-color: #e91e63; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg);">Med-Heavy</p>
Interchangeable Nozzle Size	3M™ Accuspray™ Spray Gun Model HGP (Pressure), PN 16587	

Finer Finish

Fluid Tip	Medium Viscosity	 VISCOSITY
 <p>2.0 mm 1.8 mm 1.4 mm</p>	<p>Marine & Composites Gel Coats, Adhesives, Base Coats, Primers</p> <p>Woodworking Stains, Base Coats, Lacquers</p> <p>General Industrial Primers, Base Coats, Adhesives</p> <p>Transportation (Air and Wheel) Adhesives, Primers, Base Coats</p> <p>Sign Shops Primer, Base Coats</p>	 <p style="background-color: #d9d9d9; color: black; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg);">Medium</p>
Interchangeable Nozzle Size	3M™ Accuspray™ Spray Gun Model HG18, PN 16570	

Fluid Tip	Lower Viscosity, Finer Finish	 VISCOSITY
 <p>1.8 mm 1.4 mm</p>	<p>Marine & Composites Base, Clear Coats, Mold Releases</p> <p>Woodworking Dye Stains, Clears, Lacquers</p> <p>General Industrial Medical Equipment Base/Clear, Mold Releases</p> <p>Transportation (Air and Wheel) Base, Clear, Single Stage</p> <p>Sign Shops Base, Clears</p>	 <p style="background-color: #ff9800; color: white; padding: 5px; writing-mode: vertical-rl; transform: rotate(180deg);">Lower</p>
Interchangeable Nozzle Size	3M™ Accuspray™ Spray Gun Model HG14, PN 16577	

3M
Paint Application Systems
 3M Center
 Building 223-6N-01
 St. Paul, MN 55144-1000

Please recycle. Printed in U.S.A.
 3M, Accuspray and PPS are trademarks of 3M Company.
 © 3M 2013. All rights reserved.
 60-4402-7738-6

Warranty & Limitation of Liability: If there is a defect in this product, your exclusive remedy shall be product replacement or refund of the purchase price. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. 3M will not be liable for any direct, indirect, special, incidental or consequential damage related to the use of this product.

For more information visit our website 3MSpraySolutions.com