

3M Spray Equipment Products
Automotive Refinish Applications

Effective,
Efficient,
Economical



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

- Only one 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 and reduction in VOCs
- Spray gun functions at any angle
- Available in 3 sizes: 6 oz., 650 mL., 850 mL.

Ordering Information

Part No.	Description	Items/Box	Boxes/Case
16000	3M™ PPS™ Paint Preparation System Lids and Liners w/200 Micron Filters	50	1
16300	3M™ PPS™ Paint Preparation System Lids and Liners w/125 Micron Filters	50	1
16001	3M™ PPS™ Paint Preparation System Cups and Collars	2	4
16024	3M™ PPS™ Paint Preparation System Large Lids & Liners w/200 Micron Filters	25	1
16324	3M™ PPS™ Paint Preparation System Large Lids and Liners w/125 Micron Filters	25	1
16023	3M™ PPS™ Paint Preparation System Large Cups & Collars	1	4
16114	3M™ PPS™ Paint Preparation System Mini Lids & Liners w/200 Micron Filters	50	1
16314	3M™ PPS™ Paint Preparation System Mini Lids and Liners w/125 Micron Filters	50	1
16113	3M™ PPS™ Paint Preparation System Mini Cup Kit w/200 Micron Filters	1	1
16115	3M™ PPS™ Paint Preparation System Mini Cups & Collars	2	4
16121	3M™ PPS™ Paint Preparation System Type H/O Mini Cups and Collars	1	4
16124	3M™ PPS™ Paint Preparation System Type H/O Cups and Collars	1	2
16019	3M™ PPS™ Paint Preparation System Liner Dispenser	1	1
16099	3M™ PPS™ Paint Preparation System Lid Dispenser	1	1
16013	3M™ PPS™ Paint Preparation System 200 Micron Cartridge Replacement Filters	20	10
16010	3M™ PPS™ Paint Preparation System Cup Carrier	1	1
16117	3M™ PPS™ Paint Preparation System Mini Cup Carrier	1	1
37720	3M™ Detailing Squeeze Bottle	24	1

3M™ PPS™ SUN GUN™ Color Matching Light Kit, (PN 16400)

- Make the right call on color the first time, every time—whether sunshine or rain, clouds or clear blue sky
- Helps ensure complete coverage, without pin holes, sand scratches or swirl marks
- Reduce the chances for costly re-work and comebacks
- Improve cycle times, C.S.I. ratings, customer relations and your reputation for quality



KIT INCLUDES

- 3M™ PPS™ SUN GUN™ Color Matching Light
- 3M™ PPS™ SUN GUN™ Color Corrective Bulb, PN 16399
- 3M™ PPS™ SUN GUN™ NiCad Battery Pack, PN 16398
- 3M™ PPS™ SUN GUN™ Battery Charger w/Power Supply and Cord, PN 16396
- Durable Protective Carrying Case
- Safety and Instruction Manual
- Warranty Registration Card





3M Spray Equipment Products were designed from the inside out for the effective, efficient, economical application of paints, adhesives, coatings and finishes. These spray guns deliver large usable spray patterns with very low overspray. The soft, tight, adjustable pattern with complete atomization results in a high finish quality and absolute control. Each lightweight gun is ergonomically designed to be reliable, durable and costs little to maintain.

Whether your air source is compressed air or a turbine you will benefit from the speed of application, decrease in masking, sanding and cleanup time and the ability to achieve a fine finish. Combine your 3M Spray Equipment Products with the 3M™ PPS™ Paint Preparation System and enjoy additional savings of time and cleaning solvents.

Series 07

Metal-bodied, gravity-fed HVLP spray gun with a high-pressure inlet. For use with compressed air with a 4.3:1 reduction ratio. Great for automotive type coatings, ideal for the application of basecoat.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
07-B0605*	Standard PPS	1.5 mm	705	Basecoat
07-B0707*	Standard PPS	1.8 mm	707	Primer, Single Stage



Series 07HS

Metal-bodied, gravity-fed HVLP spray gun with a high-pressure inlet. For use with compressed air with a 4.3:1 reduction ratio. Designed for increased atomization of high-solid clears and difficult-to-atomize coatings.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
07HS-B2726*	Standard PPS	1.8 mm	726	Waterborne Basecoat, Clearcoat, Single Stage

Series 05-100

Value priced HVLP spray gun ideal for automotive primers and general purpose use.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
05-10B/1.5	Standard PPS	1.5 mm	Standard	Basecoat
05-10B/1.8	Standard PPS	1.8 mm	Standard	Clearcoat, Single Stage
05-10B/2.0	Standard PPS	2.0 mm	Standard	High Build Primer



* Stocked at 3M Distribution Center

Series 05-300

Mini HVLP spray gun great for spraying detail work, hard to reach areas and jambs. It will atomize everything from primers to clearcoats.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
05-30A/0.8	Mini PPS	0.8 mm	Standard	Basecoat
05-30A/1.0	Mini PPS	1.0 mm	Standard	Basecoat, Clearcoat, Single Stage
05-30A/1.2	Mini PPS	1.2 mm	Standard	Clearcoat, Thin Primer



Series 12s

Composite-bodied, pressure feed HVLP spray gun with high-pressure air inlet. For use with compressed air with a 6:1 reduction ratio. Great for production and fleet applications. Capable of spraying a wide range of coatings.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
12s-F331A	Large H/O PPS	0.9 mm	6	Basecoat
12s-F342A*	Large H/O PPS	1.1 mm	7	Clearcoat, Primer, Single Stage
12s-F365A*	Large H/O PPS	1.3 mm	9	High Build Primer

Series 10G

Composite-bodied, gravity feed, non-bleed HVLP spray gun with a low-pressure inlet. For use with turbine systems or with regulated low pressure air. Must use 36-00 regulator when using with compressed air.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
10G-B0605	Standard PPS	1.5 mm	705	Basecoat
10G-B0706	Standard PPS	1.8 mm	706	Clearcoat
10G-B0707	Standard PPS	1.8 mm	707	Primer, Single Stage



Series 10GP

Composite-bodied, pressurized gravity feed, non-bleed HVLP spray gun with a low-pressure inlet. Provides greater application speed and the ability to spray heavier viscosity coatings than standard gravity feed. For use with turbine systems or with regulated low-pressure air. Listed set-ups recommended for mobile refinishing and small repairs.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
10GP-D31A*	Mini H/O PPS	0.9 mm	6	Basecoat, Clearcoat
10GP-F31A	Large H/O PPS	0.9 mm	6	Basecoat, Clearcoat

Series 10

Composite-bodied, pressure feed, non-bleed HVLP spray gun with a low-pressure inlet. For use with turbine systems or with regulated low-pressure air. Listed set-ups recommended for mobile refinishing and small repairs.

Part Number	Cup	Needle/Nozzle	Air Cap	Applications
10-D331A*	Mini H/O PPS	0.9 mm	6	Basecoat Clearcoat
10-F331A*	Large H/O PPS	0.9 mm	6	Basecoat Clearcoat



Series 200

Turbine packages including a 3 stage (23 Series), heavy duty 3 stage (Series 230) or 4 stage (Series 240) turbine, a Series 10 or 10GP non-bleed spray gun, a mini or large H/O PPS cup and 30' of air hose. Listed set-ups recommended for mobile refinishing and small repairs.



Part Number	Spray Gun	Cup	Needle/Nozzle	Air Cap	Applications
23gp-D331A*	Series 10GP	Mini H/O PPS	0.9 mm	6	Basecoat, Clearcoat
23k-D331A*	Series 10	Mini H/O PPS	0.9 mm	6	Basecoat, Clearcoat
23k-F331A*	Series 10	Large H/O PPS	0.9 mm	6	Basecoat, Clearcoat
230k-D331A	Series 10	Mini H/O PPS	0.9 mm	6	Basecoat, Clearcoat
240k-D331A	Series 10	Mini H/O PPS	0.9 mm	6	Basecoat, Clearcoat

Accessories

Atomizing Kits – For Series 07, 07HS and 10G HVLP Gravity Spray Guns

Part Number	Tip & Nozzle / Air Cap	Applications
97-501	1.5 mm / # 705	Basecoat
97-502	1.8 mm / # 707	Primer, Single Stage
97-503	1.8 mm / # 726	High Solid Clearcoat, Waterborne Basecoat



Atomizing Kits – For Series 10, 10gp, 12s, HVLP Pressure Feed Spray Guns

Part Number	Tip & Nozzle / Air Cap	Applications
91-503	0.9 mm / #6	Basecoat
91-504	1.1 mm / #7	Clearcoat
91-506	1.5 mm / #9	High Build Primers

Mini High-Pressure Regulator & Gauge Assembly

93-103

- For precise measurement of high pressure air at the air inlet of the Series 07, 07HS and 12s spray guns.



3M™ PPS™ Adapter,

PN 16008, Type 7

Adapter converts gravity feed paint spray gun models for use with the 3M™ Paint Preparation System requiring 3/8 Female, 18 Thread (NPS).



3M™ PPS™ Adapter,

PN 16129, Type 34

Adapter converts paint spray guns for use with the 3M™ PPS™ Paint Preparation System.



Mini Low-Pressure Regulator & Gauge Assembly

36-00

- Allows the Series 10, 10G & 10GP spray guns to be used with compressed air.



Gun Brush Cleaning Kit

91-470

- Includes virtually every sized brush and pick necessary to clean any spray gun.



3M™ PPS™ Adapter,

PN 16054, Type 18

Adapter converts full size siphon feed paint spray guns with North American 3/8 Female-18 Thread NPS guns for use with 3M™ Paint Preparation System.





Use the following charts to custom build your 3M spraygun. To begin, locate the chart that includes the desired gun series and then choose an option from each column. For example, from Chart 1, the part number for a Series 10 spraygun with a 3M™ PPS™ Paint Preparation System Large H/O Cup (Option F), Stainless/Delrin Tip Fluid Passage (Option 3), a 1.1 mm Needle/Nozzle (Option 4) and a #7 Aluminum air cap (Option 2A) would be 10-F342A.

Chart 1: Series 10 and 12s Configuration Chart

Gun Series	Cup Option	Fluid Passage	Needle/Nozzle	Air Cap Delrin or Aluminum
10 - 12s - 23k - 230k - 240k -	(1) No Cup** w/ air stem & cap (3) 1Qt. Standard (8) 1/2 Pint (D) Mini PPS H/O (F) Lrg. PPS H/O	(3) Stainless/Delrin Tip	(1) 0.5 mm (2) 0.7 mm (3) 0.9 mm (4) 1.1 mm (5) 1.3 mm (6) 1.5 mm (7) 1.8 mm (8) 2.0 mm (9) 3.0 mm	(3) #8 (FA) #5 (4) #9 (1A) #6 (5) #10 (2A) #7 (6) #11 (3A) #8 (8) #12 (4A) #9 (9) #13 (5A) #10 (6A) #11

** Option not available for turbine packages.

Chart 2: Series 07 and 10G Configuration Chart

Gun Series	Cup Option	Needle/Nozzle	Air Cap (Aluminum Only)
07- 10G-	(0) No Cup (1) 650ml Plastic (3) 1 Liter Aluminum (A) Mini PPS** (B) Standard PPS	(05) 1.3mm (06) 1.5mm (07) 1.8mm (08) 2.0mm	(05) # 705 (06) # 706 (07) # 707 (08) # 708 (09) # 709

** Not an available option for Series 07 spray guns.

Chart 3: Series 07HS Configuration Chart

Gun Series	Cup Option	Needle/Nozzle	Air Cap (Aluminum Only)
07HS-	(0) No Cup (1) 650ml Plastic (3) 1 Liter Aluminum (B) Standard PPS	(25) 1.3mm (26) 1.5mm (27) 1.8mm	(25) # 725 (26) # 726

Chart 4: Series 10GP Configuration Chart

Gun	Cup Option	Fluid Passage	Needle/Nozzle	Air Cap (Aluminum Only)
10GP - 23GP - 230GP - 240GP -	(1) No Cup** w/ air stem & cap (4) 600mL Plastic (9) 125mL Plastic (D) Mini PPS H/O (F) Lrg. PPS H/O	(3) Stainless Steel w/ Delrin Tip Needle	(1) 0.5 mm (2) 0.7 mm (3) 0.9 mm (4) 1.1 mm (5) 1.3 mm (6) 1.5 mm (7) 1.8 mm (8) 2.0 mm (9) 3.0 mm	(FA) #5 (1A) #6 (2A) #7 (3A) #8 (4A) #9 (5A) #10 (6A) #11

** Option not available for turbine packages.



Automotive Aftermarket Division

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