Conventional Spray Guns & Accessories
In 1890, Binks pioneered the spray gun industry with the introduction of the first cold-water paint spraying machine. Today, you can find spray finishing technology from Binks at work in virtually every industry around the world. In the many years that have passed, Binks has grown to be a world leader in the design and manufacture of finishing equipment, offering products in the industrial and automotive markets.

The various spray guns and accessories shown in this catalog represent a small part of Binks extensive product line. Binks manufactures air and airless spray painting outfits, high and low pressure material handling pumps, pressure tanks, paint circulating systems, and much more.

Binks products are backed by a company with over 100 years experience in the spray finishing market. In addition, Binks operates foreign subsidiary companies in the United Kingdom, Continental Europe, Japan, and Australia.

If you would like more information about our products, please contact us at our corporate headquarters in Glendale Heights, Illinois. Phone (630)-237-5000

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Features and Benefits

- Durability
  - Drop-forged aluminum gun bodies are strong, durable and lightweight.
  - Trigger strike pad makes trigger action smooth and extends air valve life.
  - Trigger is designed with reinforced wear points.

- Performance
  - All gun components have been life cycle tested to ensure reliability in production environments.
  - Long-life needle packings.

- Maintenance
  - Simple, straightforward design for easy care and maintenance.
  - Economical replacement parts are available and easy to install.

- Features
  - Broadest Range of Air and Fluid Nozzles Available
  - Very Comfortable Grip
  - Smooth Operation
  - Lightweight
  - Low Cost
Selecting Conventional Air Spray Guns

All spray guns utilize similar parts and components to deliver the finish materials.

When the trigger is engaged, it makes contact with the air valve stem which releases the air. Then the trigger pulls the needle out of the fluid tip, allowing material to flow through the orifice of the fluid tip where it is then atomized.

Air Spray Gun Selection Guide

This chart will help you quickly assess which air spray gun is suitable for your specific application. First, decide if you need a manual or automatic gun, and whether you need it for high or low production volume. Then, under the heading that meets these criteria, find the usage description that best matches your application. Complete information about the recommended spray gun can be found on the subsequent pages (as referenced in the chart).

95 Spray Gun

Model 95 is a high production spray gun that can be used with most coatings. It provides superior performance and efficiency. The spray gun features all stainless steel fluid passages, 60 Series air and fluid nozzles, an extra wide trigger, large control knobs, and an ergonomic forged aluminum body. Available in a variety of manual and automatic models, the Model 95 Spray Gun is ideal for industrial applications, touch-up spraying, automated spray systems, and test coating laboratories.

Specifications:
- Air Inlet: 1/4" NPS (m)
- Fluid Inlet: 3/8" NPS (m)
- Weight: 1 lb. 11 oz.

Technical Specifications:
- Body: Drop-forged anodized aluminum
- Weight: 27 oz.
- Air Inlet: 1/4" NPS (M)
- Fluid Inlet: 3/8" NPS (M)
- Fluid Passages: Stainless Steel
- Feed Type: Pressure/Siphon Feed
- Part Sheet: 77-2625
- Gun Repair Kit: 54-9277
- VT Inlet Kit: 54-4511

Most Popular Nozzle Set Ups:
- 95 Gun 66ss x 66SD  PN-6121-4307-9
- 95 Gun 63ss x 63PN  PN-6121-2800-7
- 95 Gun 66ss x 66SK  PN-6121-4308-8

Standard Fluid Nozzle and Needle are 303 Stainless Steel
Model 7 Spray Gun

The Model 7 spray gun is used for all production spraying, but is recommended primarily for siphon use with the Binks 81-810 1 quart Dip-Proof cup. Drop forged aluminum body. Large air passages. Plated drop forged brass head. Adjustable floating fluid needle valve. Stainless steel air valve cartridge. Controls at back of gun. Adjustable spray pattern.

Technical Specifications:
- Body: Drop-forged anodized aluminum
- Weight: 28 oz.
- Air Inlet: 1/4” NPS (M)
- Fluid Inlet: 3/8” NPS (M)
- Feed Type: Pressure/Siphon Feed
- Part Sheet: 77-1153
- Gun Repair Kit: 6-188

Most Popular Nozzle Set Ups:
- 7 Gun 36SS x 36SD  PN-6100-1808-9
- 7 Gun 36SS x 36SK  PN-6100-1809-2

Model 7 Gun Nozzle and Needle Selection Chart

<table>
<thead>
<tr>
<th>Type of Fluid</th>
<th>Fluid x Air Nozzles</th>
<th>Type</th>
<th>CFM at 30 PSI</th>
<th>Max Pattern at 10”</th>
</tr>
</thead>
</table>
| THIN          | Lacquers, Sealers 33SS x 33PM Siphon Pressure 10.1 | 15.0 | 20.0 | 10” | 33
|               | Stains, Primers 33SS x 33SD Siphon Pressure 7.9 | 11.5 | 16.2 | 10” | 36
| MEDIUM        | Lacquers, Enamels 36SS x 36SC Siphon Pressure 7.8 | 11.5 | 16.2 | 10” | 36
|               | Varnishes, Shellacs 36SS x 36SK Siphon Pressure 7.8 | 11.5 | 16.2 | 10” | 36
|               | Primers, Epoxy Resins 36SS x 36SK Siphon Pressure 7.8 | 11.5 | 16.2 | 10” | 36
| MEDIUM HEAVY  | House Paints 36SS x 36PM Siphon Pressure 5.6 | 10.0 | 15.0 | 10” | 36
|               | Multi-colors 36SS x 36PM Siphon Pressure 5.6 | 10.0 | 15.0 | 10” | 36

Not furnished with nozzles. Please order separately.
Furnished with nozzles.
All fluid needles are stainless steel.
Fluid nozzle orifice sizes: 33SS = .040 36SS = .070 36SS = .086

Wren Airbrush

The Wren airbrush is single-action style. Air and fluid are delivered simultaneously. The fluid delivery is controlled by rotating the fluid nozzle to allow more fluid to be siphoned into the air stream. Simple to operate and easy to maintain, the Wren produces excellent results. Because there are different types of nozzles available for Wren airbrushes, it is important to consider the type of work being done, the fineness of the line desired, and the kind of materials being sprayed when selecting nozzles.

Standard setup is a Wren with a “B” nozzle. Optional “A” and “C” nozzles are available. Please order separately.

Wren Outfit

Model No. 59-10006 Set - Includes
- "B" Airbrush, 1/4, 1/2, and 2 fl.Oz. Color Bottle Assemblies, 8 Ft. Lightweight Vinyl Hose with Connections and case.
- "A" - Small nozzle opening for fine lines. For use with inks, stains, dyes.
- "B" - Larger nozzle opening for use with thinned lacquers, enamels, etc. (Interchanges with “C” airbrush).
- "C" - Largest nozzle opening for ceramic under glazing, thinned overglazes, and other applications not requiring fine control.

Model 115


Available with 81-540 eight ounce siphon cup (shown below). Please order separately.

Technical Specifications:
- Body: Drop-forged aluminum
- Weight: 8 Oz.
- Air Inlet: 1/4” NPS (M)
- Fluid Inlet: 1/4” NPS (M)
- Fluid Passages: Brass/Electroless nickel Plated
- Feed Type: Pressure/Siphon Feed
- Part Sheet: 77-2282
- Gun Repair Kit: 6-222

Most Popular Nozzle Set Ups:
- 115 Gun 78SS x 78SD  PN-6143-0901-5
- 115 Gun 78SS x 78SK  PN-6143-0901-3

115 Gun Accessories:
- 81-540 8 Oz. Siphon Cup - (Metal - Shown below)
- 81-384 8 Oz. Siphon Cup - (Plastic - not shown)
Model 95A (Automatic)

A conventional style air spray gun that is pneumatically activated for applications with reciprocating, rotary, spindle machines, and in stationary spray gun set-ups. Exceptionally rugged, the Model 95A is designed to stand-up under hard, continuous use. 60 Series air and fluid nozzles are used in this spray gun. The 60 Series nozzles provide spray patterns from a one inch spot to a wide fan with uniform coverage. All fluid contact surfaces within the spray gun, including inlet, nozzle and needle, are constructed of stainless steel for use with waterborne as well as conventional coatings.

95A Technical Specifications:

- **Body:** Drop-forged anodized aluminum
- **Weight:** 20.5 oz.
- **Cylinder Air Inlet:** 1/4” NPS (M)
- **Cylinder Air Pressure:** 40 PSI Min. 100 PSI Max.
- **Atomization Air:** 1/4” NPS (M)
- **Fluid Inlet:** 3/8” NPS (M)
- **Fluid Passages:** Stainless Steel
- **Fluid Pressure:** 100 PSI Max.
- **Mounting Hole:** 1/2”
- **Part Sheet:** 77-2641
- **Gun Repair Kit:** 54-3579
- **VT Inlet Kit:** 54-4511

Most Popular:
- 95A 63BSS x 63PB PN-6473-2500-7
- 95A 66SS x 66SD PN-6473-2500-7
- 95A 68SS x 68PB PN-6493-5111-5

Model 95A

Same features as the Model 95A Spray Gun, but a tungsten carbide fluid nozzle and needle are used. For use with abrasive fluids.

Model 95AR

Same features as Model 95A Spray Gun, but has ratchet type adjustable needle valve control. Recommended for installations requiring numerous fluid control adjustments. Part Sheet 77-2655

Model 95APF (not shown)

Similar to Model 95A Spray Gun, but recommended for Pharmaceutical and Food Spraying. Product contact surfaces are constructed of FDA acceptable materials. Part Sheet 77-2706

Model 95AV

Same features as Model 95A Spray Gun, but a tungsten carbide fluid nozzle and needle are used. For use with abrasive fluids.

Model 95AR

Same features as Model 95A Spray Gun, but has ratchet type adjustable needle valve control. Recommended for installations requiring numerous fluid control adjustments. Part Sheet 77-2655

Model 95APF (not shown)

Model 21

Heavy duty pneumatically operated gun for spraying all conventional coatings. Gun is controlled remotely with three-way valve. Recommended for rotary, reciprocating, and spindle machines. Drop forged brass plated body. Adjustable stainless steel fluid needle. Adjustable spray pattern controlled at side of gun head.

Model 21V

Same features as Model 21 Spray Gun, but a tungsten carbide fluid nozzle and needle are used. For use with abrasive fluids.

21 Technical Specifications:

- **Body:** Plated Brass
- **Weight:** 41 oz.
- **Cylinder Air Inlet:** 1/4” NPS (M)
- **Cylinder Air Pressure:** 40 PSI Min. 100 PSI Max.
- **Atomization Air:** 1/4” NPS (M)
- **Fluid Inlet:** 3/8” NPS (M)
- **Fluid Passages:** Brass/Electroless nickel plated
- **Fluid Pressure:** 100 PSI Max.
- **Mounting Hole:** 1/2”
- **Part Sheet:** 77-2976
- **Gun Repair Kit:** 6-191

Model 21:

- 66SS x 66SD PN-6220-4307-9
- 63BSS x 21MD-1 PN-6220-2821-1
- 63BSS x 21MD-3 PN-6220-2821-3

Model 21V:

- 67VT x 21MD-2 PN-6235-4921-2

Accessories:

- Mounting Bracket 54-380

Model 603

Standard duty gun for continuous spraying operations. Fluid needle valve is always open. Drop forged aluminum body. Stainless Steel head, fluid needle and fluid nozzle. Adjustable spray pattern. For use with corrosive fluids, paint, as well as commonly used materials.

Model 603V

Same features as 603, but for use with corrosive and/or abrasive fluids. Fluid nozzle has tungsten carbide insert.

603 Technical Specifications:

- **Weight:** 15 oz.
- **Air Inlet:** 1/4” NPS (M)
- **Cylinder Air Pressure:** 25 PSI Min. 50 PSI Max.
- **Fluid Inlet:** 3/8” NPS (M)
- **Fluid Pressure:** 100 PSI Max.
- **Mounting Hole:** 1/2”
- **Part Sheet:** 77-1729

Model 603:

- 66SS x 66SD PN-6220-4307-9
- 63BSS x 21MD-1 PN-6220-2821-1
- 63BSS x 21MD-3 PN-6220-2821-3

Model 603V:

- 67VT x 21MD-2 PN-6235-4921-2

Accessories:

- Mounting Bracket 54-380

Most Popular Nozzle Set Ups:

- 603 Gun 63A55 x 63PB PN-6473-2900-7
- 603V Gun 67VT x 67PD PN-6479-4909-9
Line Striping Spray Guns

Reliability • Versatility • Value

Model 30A - High Flow (not shown)

Similar in design to Model 30, but the 30A is a “bleeder” type heavy materials spray gun for road marking operations requiring a high volume delivery of viscous materials. 1/4” NPS(m) air inlet. 3/4” NPS(m) fluid inlet. Actual wt. 6 lbs. 1 oz. Part sheet 77-2274.

Model 30 Bead Gun & (Model 30 Big Bore)

Developed by Binks for laying out glass bead during a line striping operation. Will spread glass beads at a rate of 20 lbs. per minute. Pneumatically operated from the rear of the gun using a minimum of 50 psi. Use on hand line strippers or moving trucks. The gun is furnished with four nozzle inserts with orifice diam. of 7/32”, 1/4”, 9/32” and 11/32”. Part sheet 2151. A optional Big Bore Kit (6-1287) with a 1/2” dia nozzle delivers glass beads at a rate of up to 60 lbs. per minute @ 70 psi. Actual wt. 6 lbs. 1 oz. Part sheet 77-2774.

Model 21M Gun

Heavy duty high volume gun for use on automatic road striping machines. Can be used at vehicle speeds of 15 to 25 m.p.h. Brass body and stainless steel fluid nozzle. Stainless steel fluid needle valve. Hardened steel fluid nozzle. Optional nitralloy, hardened steel, or tungsten carbide air nozzle. A port of catalyst injection in the atomizing air is included. Pneumatically operated trigger opens at 45 PSI. Fan spray nozzle. 1/2” NPS(m) fluid inlet. 3/8” NPS(m) atomizing air inlet. 1/4” NPS(f) cylinder air inlet. Shipping wt. 7 1/4 lbs. Actual wt. 6 lbs. 1 oz. Part sheet 77-1441.

Part Number 54-2831 Spray Shield.

Use with 21, 21M and 95AM line striping guns to insure sharp edge spray patterns.

<table>
<thead>
<tr>
<th>Fluid Nozzle</th>
<th>GPM</th>
<th>Air Nozzle</th>
<th>CFM</th>
<th>Fan Width @ 6 inches</th>
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<tbody>
<tr>
<td>59 SS</td>
<td>2.5</td>
<td>250</td>
<td>11.5</td>
<td>6”</td>
</tr>
<tr>
<td>59B SS</td>
<td>3</td>
<td>252</td>
<td>11.5</td>
<td>6”</td>
</tr>
<tr>
<td>59C SS</td>
<td>3.5</td>
<td>262</td>
<td>11</td>
<td>7”</td>
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</tbody>
</table>

Model 33 SS Gun

Heavy duty high volume gun for use on automatic road striping machines. Can be used at vehicle speeds of 15 to 25 m.p.h. Brass body and stainless steel fluid needle. Adjustable spray pattern control at side of gun head. Replaceable gasket fluid nozzle. Fan controlled remotely with three-way valve. Requires 35 PSI air pressure to trigger. Up to 250 cycles per minute. 3/8” NPS(m) fluid inlet. 1/4” NPS(m) air connections. 1/2 inch diameter mounting hole. Shipping wt. 3 lbs. Actual wt. 2 lbs. 9 oz. Part sheet 77-2976.

For spraying protective coatings such as lacquers, enamels, water-based emulsions, mold release agents, and sound deadeners. Spray gun equipped with tip guard, stainless steel fluid passages, and forged aluminum spray gun body. Actuating air pressure is 40-80 PSI. The material body may be installed in any of four positions to facilitate fluid hose connection. Spray nozzle not included, order separately. (Maximum operating pressure is 3000 PSI.)

550 Specifications

Air inlet: 1/4” NPS(m) Fluid inlet: 1/4” NPS(m) Weight: 1 1/2 lbs. Part Sheet: 77-2120

Airless Automatic Spray Guns

Model 550

For spraying protective coatings such as lacquers, enamels, water-based emulsions, mold release agents, and sound deadeners. Spray gun equipped with tip guard, stainless steel fluid passages, and forged aluminum spray gun body. Actuating air pressure is 40-80 PSI. The material body may be installed in any of four positions to facilitate fluid hose connection. Spray nozzle not included, order separately. (Maximum operating pressure is 3000 PSI.)

570 Specifications

Same as Model 550, but constructed with larger fluid inlet and passages. Used for spraying heavy materials such as mastics and undercoatings. Spray nozzle not included, order separately. (Maximum operating pressure is 3000 PSI.)

Flat Tip Assemblies for Airless Guns

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>STAMPED NUMBER</th>
<th>ORIFICE INCHES</th>
<th>FAN WIDTH 12&quot; FROM ORIFICE</th>
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<td>9-1170</td>
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<td>.045</td>
<td>12-14</td>
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</table>

Airless accessories

Airless nozzle extensions - attach to airless guns for access to hard-to-reach areas. Available made to order in various lengths. (Gun or tip not included). Contact customer service for details.
**Specialty Spray Guns - (Heavy duty)**

- **Model 7D**

- **Model 7E2**
  - Designed for spraying heavy bodied fluids such as roof coatings, block fillers, and similar materials. Drop-forged aluminum body. Extra large fluid passage in plated drop-forged brass head. Adjustable floating needle valve and stainless steel air valve cartridge. Hardened steel four finger trigger. Controls at back of the spray gun.

- **Model 7D**
  - Specifications:
    - Air Inlet: 1/4" NPS (m)
    - Fluid Inlet: 1/2" NPS (m)
    - Weight: 1 lb. 14 oz.
    - Part Sheet: 77-2670

- **Model 460 Mini-Automatic Gun**

- **Model 140B**
  - Use for spraying solvents to clean engines and other machinery. Brass body. Ten inch nozzle/tube length. Has flexible tubing with hose clamp for siphoning solvent from container. Requires 14 CFM air at 50 PSI.
  - Specifications:
    - Air Inlet: 1/4" NPS (m) air inlet.
    - Part Sheet 77-1191

- **Model 190 Air Blow Gun**
  - Use for dusting, drying, removing chips, etc. Pistol grip style with aluminum die cast body. Nozzle number 60-40 (complies with paragraph 50-204 Walsh-Healy Alt and OSHA where air inlet does not exceed 100 PSI) with 1/16” orifice is standard. Also available with 60-41 5-1/2” extension. 1/4” NPT (m) air inlet. Air consumption 3-1/2 CFM at 50 PSI.
  - Specifications:
    - Air Inlet: 1/4" NPS (m)
    - Fluid Inlet: 1/4" NPS (m)
    - Weight: 6 lbs.
    - Part Sheet: 77-2019
    - NOTE: Specify fluid and air spray nozzle setup when ordering air spray gun. See page 21.

**Spray Gun Cups**

- **SG-2 Plus Steadi-Grip 2 Quart Pressure Cups**
  - NEW! Model 80-651
    - SG-2 Plus Steadi-Grip Rotary Agitator Two Quart pressure cup.
    - Part Sheet 77-2842
  - NEW! Model 80-601
    - SG-2 Plus Steadi-Grip Oscillating Agitator Two Quart pressure cup.
    - Part Sheet 77-2841
  - NEW! Model 80-600
    - SG-2 Plus Steadi-Grip Non-agonized Two Quart pressure cup.
    - Part Sheet 77-2841

- **SG-2 Plus Steadi-Grip 2 Quart Pressure Cups**
  - Model 81-800 - (not shown)
    - One Quart Drip-Proof clamp type with extra vent tube. 3/8" NPS (f). Shipping weight 16 ozs.
    - Part Sheet 77-2794
  - Model 81-540 - (not shown)
    - Eight Ounce clamp type Shipping weight 8 oz. 1/4" NPS (f).
    - 72-55 adapter available for 3/8" NPS (f) connection to spray gun.
    - Part Sheet 77-1261

- **Solvent Saver Cup**
  - Model 81-810 - (shown below)
    - One Quart Drip-Proof Cup features exclusive non-stick coating inside that wipes clean in seconds. Fits Spray Gun Models 7, 95, and 2001 Series of handguns.
    - Part Sheet 77-2795

- **Pressure Cups**
  - Model 80-285 (not shown)
    - Two Quart "Steadi-Grip" with handle. Shipping weight 3.5 lbs.
    - Part Sheet 77-2823
  - Model 80-511 (not shown)
    - One Quart stainless steel pressure cup and 15 PSI regulator.
    - Part Sheet 77-2822

- **Cup Accessories**
  - "Strain-It" Strainers - (not shown)
    - Part Number 149-278 - (not shown)
      - A final strainer for atomized siphon spray gun cups. The 50 mesh brass filter strainer can be used with all enamels and lacquers. Holds firmly on all siphon tube sizes up to 7/16 inches in dia. Packaged per carton.
    - Part Number 81-83 (blue), 100 mesh/inch
      - Fits on all spray gun cups. Stainless steel screen in three mesh sizes lasts and lasts. Packaged 5 per carton.
    - Part Number 81-84 (red), 60 mesh/inch
      - Fits on all spray gun cups. Stainless steel screen in three mesh sizes lasts and lasts. Packaged 5 per carton.

- **SG-2 Plus Steadi-Grip 2 Quart Pressure Cups**
  - Model 81-800 - (not shown)
    - One Quart Drip-Proof clamp type with extra vent tube. 3/8" NPS (f). Shipping weight 16 ozs.
    - Part Sheet 77-2794
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    - Eight Ounce clamp type Shipping weight 8 oz. 1/4" NPS (f).
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    - Part Sheet 77-2795

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  - Model 80-285 (not shown)
    - Two Quart "Steadi-Grip" with handle. Shipping weight 3.5 lbs.
    - Part Sheet 77-2823
  - Model 80-511 (not shown)
    - One Quart stainless steel pressure cup and 15 PSI regulator.
    - Part Sheet 77-2822

- **Cup Accessories**
  - "Strain-It" Strainers - (not shown)
    - Part Number 81-82 (white), 145 mesh/inch
      - Fits on all spray gun cups. Stainless steel screen in three mesh sizes lasts and lasts. Packaged 5 per carton.
    - Part Number 81-83 (blue), 100 mesh/inch
      - Fits on all spray gun cups. Stainless steel screen in three mesh sizes lasts and lasts. Packaged 5 per carton.
    - Part Number 81-84 (red), 60 mesh/inch
      - Fits on all spray gun cups. Stainless steel screen in three mesh sizes lasts and lasts. Packaged 5 per carton.
Spray Gun Extensions

Nuzzle Extensions designed to reach out-of-the-way places. Models for general use and for specific applications. Use for conventional coatings with spray guns as listed. Note: When ordering, specify spray gun model that extension is to be used with and specify nozzle set-up. All extensions furnished with stainless steel needles. See Current Binks Price List for individual extension part numbers. Standard lengths shown in chart below. Custom lengths and Custom styles are available as special order - please call Binks Customer Service for pricing. All Gun extensions are special order and are not subject to return.

<table>
<thead>
<tr>
<th>Models</th>
<th>Clearance Diameter (inches)</th>
<th>Nuzzle Set-Up</th>
<th>Standard Lengths shown in (inches)</th>
<th>For Gun Model</th>
<th>Part Sheet Reference</th>
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<tbody>
<tr>
<td>EA</td>
<td>1 3/4</td>
<td>Std. External or Internal Mix (see pg. 20)</td>
<td>9, 15, 24, 36</td>
<td>2001</td>
<td>96, 95A, 95AR</td>
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<td>EAX</td>
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<td></td>
<td>2001</td>
<td>96, 95A</td>
</tr>
<tr>
<td>ERX</td>
<td>1 7/8</td>
<td>External or Internal Mix (see pg. 21)</td>
<td></td>
<td>2001</td>
<td>96, 95A</td>
</tr>
<tr>
<td>C</td>
<td>3/4</td>
<td>Circular (360°) (see pg. 21)</td>
<td>6, 12, 18, 24, 36, 48, 60, 72, 84, 12, 24, 36, 48, 60, 72, 84</td>
<td>2001, 2002</td>
<td>96, 95A, 95AR, 95AR</td>
</tr>
<tr>
<td>HC</td>
<td>90°</td>
<td>Round (Not Adjustable)</td>
<td></td>
<td>2001</td>
<td>96, 95A, 95AR</td>
</tr>
<tr>
<td>SC</td>
<td>90°</td>
<td>Circular (360°)</td>
<td>9, 12, 16, 27, 33, 39, 51, 63, 75, 87</td>
<td>2001, 2002</td>
<td>96, 95A, 95AR, 95AR</td>
</tr>
<tr>
<td>SA</td>
<td>7/16</td>
<td>Special for Pipe Interior Circular 360°</td>
<td></td>
<td>2001</td>
<td>96, 95A</td>
</tr>
<tr>
<td>CVT</td>
<td>1 1/8</td>
<td>Same as for Models C and HC except...</td>
<td></td>
<td>2001</td>
<td>96, 95A, 95AR</td>
</tr>
<tr>
<td>HCY</td>
<td>1 1/8</td>
<td>Same as for Models C and HC except...</td>
<td></td>
<td>2001</td>
<td>96, 95A, 95AR</td>
</tr>
<tr>
<td>S2-1382</td>
<td>1 3/8</td>
<td>Special for Pipe Interior Circular 360°</td>
<td>1/4 in. Pipe not included</td>
<td>2001</td>
<td>96, 95A</td>
</tr>
<tr>
<td>S2-0410</td>
<td>3/4</td>
<td>Circular 360°</td>
<td>5/16 in. I.D. Fluid hose &amp; clamps not included</td>
<td>2001</td>
<td>96, 95A</td>
</tr>
</tbody>
</table>

Air Nozzle Identification Guide

Air Nozzle Identification Guide

Low CFM And Low Viscosity Materials

<table>
<thead>
<tr>
<th>AIR NOZZLE TYPE</th>
<th>REMARKS</th>
<th>CFM at 50 PSI</th>
<th>MAXIMUM PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>63P</td>
<td>PE</td>
<td>Low CFM Capacity, Medium to Narrow Fan Width</td>
<td>5.1 5’</td>
</tr>
<tr>
<td>66S</td>
<td>SE</td>
<td>Low CFM Capacity, Siphon Nuzzle</td>
<td>5 9”</td>
</tr>
</tbody>
</table>

Medium Viscosity Material

<table>
<thead>
<tr>
<th>AIR NOZZLE TYPE</th>
<th>REMARKS</th>
<th>CFM at 50 PSI</th>
<th>MAXIMUM PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>63PH</td>
<td>PE</td>
<td>An excellent “general purpose” nozzle, used with wide range of materials</td>
<td>14.3 14”</td>
</tr>
<tr>
<td>63PH-1</td>
<td>PE</td>
<td>High volume delivery nozzle, anti “fogging,” wide fan width use with high solids materials, very wide pattern</td>
<td>15.5 15”</td>
</tr>
<tr>
<td>64PH</td>
<td>PE</td>
<td>High production nozzle</td>
<td>15.5 18”</td>
</tr>
<tr>
<td>64PA</td>
<td>PE</td>
<td>Used for vitreous enamels and other abrasive materials</td>
<td>18.2 13”</td>
</tr>
<tr>
<td>66SD-3</td>
<td>PE</td>
<td>Best air nozzle for adhesive applications</td>
<td>19.4 9”</td>
</tr>
<tr>
<td>66PE</td>
<td>PE</td>
<td>High production, high volume delivery nozzle</td>
<td>15 12”</td>
</tr>
<tr>
<td>66PH</td>
<td>PE</td>
<td>Used with high solids, vitreous enamels</td>
<td>16.4 16”</td>
</tr>
<tr>
<td>66SD</td>
<td>PE</td>
<td>An excellent “general purpose” siphon nozzle, with wide range of materials</td>
<td>12.1 11”</td>
</tr>
</tbody>
</table>

High Viscosity Materials

<table>
<thead>
<tr>
<th>AIR NOZZLE TYPE</th>
<th>REMARKS</th>
<th>CFM at 50 PSI</th>
<th>MAXIMUM PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>67PN</td>
<td>PE</td>
<td>An excellent “general purpose” nozzle for heavy viscosity materials of</td>
<td>14.9 12”</td>
</tr>
<tr>
<td>67PO</td>
<td>PE</td>
<td>Used for Zinc rich and other abrasive coatings</td>
<td>15 15”</td>
</tr>
<tr>
<td>68PO</td>
<td>PE</td>
<td>An excellent “general purpose” nozzle where a high volume and heavy viscosity materials are required</td>
<td>14.1 12”</td>
</tr>
<tr>
<td>66SK</td>
<td>PE</td>
<td>An excellent “general purpose” siphon nozzle, wide pattern with higher fluid delivery, used with wide range of materials</td>
<td>15.2 13”</td>
</tr>
</tbody>
</table>

Internal Mix Air Nozzles

<table>
<thead>
<tr>
<th>AIR NOZZLE TYPE</th>
<th>REMARKS</th>
<th>CFM at 50 PSI</th>
<th>MAXIMUM PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>PI</td>
<td>Tungsten Carbide, Used with highly abrasive materials</td>
<td>6.9 11”</td>
</tr>
<tr>
<td>190</td>
<td>PI</td>
<td>Tungsten Carbide, Used with road marking materials</td>
<td>11.5 9”</td>
</tr>
<tr>
<td>200</td>
<td>PI</td>
<td>Primarily used for multi color applications</td>
<td>9.2 14”</td>
</tr>
<tr>
<td>201</td>
<td>PI</td>
<td>Primarily used for light test materials</td>
<td>6.9 15”</td>
</tr>
<tr>
<td>206</td>
<td>PI</td>
<td>Primarily used for multi color applications, light texture</td>
<td>9.5 19”</td>
</tr>
<tr>
<td>390ss</td>
<td>PI</td>
<td>SS, used with road marking materials on truck mount guns, water-based paint</td>
<td>11.5 9”</td>
</tr>
<tr>
<td>391ss</td>
<td>PI</td>
<td>SS, used with road marking materials on truck mount guns, water-based paint</td>
<td>10.5 11”</td>
</tr>
<tr>
<td>79BS</td>
<td>PI</td>
<td>Primarily used with push buttoned line striper</td>
<td>5.75 8”</td>
</tr>
</tbody>
</table>

Note: PE - Pressure External SE - Siphon External PI - Pressure Internal * For other Air nozzles see charts on page 20

* See Nuzzle and Needle Selection. Special Order - Please call Customer service for price. High Viscosity Material - Fm. Any length not shown made to order (custom). Extension is available with stainless steel fluid nozzle having tungsten carbide insert. Specify “P” when ordering. See nozzle setup table.
### Fluid Nozzle Identification Guide

#### Nozzle and Needle Selection Chart

<table>
<thead>
<tr>
<th>Type of Fluid to be Sprayed</th>
<th>Fluid to Air Nozzle</th>
<th>Nozzle Type</th>
<th>Fluid Needle Numbers for Spray Gun Models</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>30 PSI</td>
<td>95 PSI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>75 PSI</td>
<td>95 AR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 PSI</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

**Very Thin**

- E63C x E63F
- E63A x E63B
- E60A x E60B

**Thin**

- E63C x E63F
- E63A x E63B
- E60A x E60B

**Medium**

- E63C x E63F
- E63A x E63B
- E60A x E60B

**Heavy**

- E63C x E63F
- E63A x E63B
- E60A x E60B

**Heavy**

- E63C x E63F
- E63A x E63B
- E60A x E60B

### Fluid Nozzle Identification Guide

#### Flow Rates for Fluid Nozzles

<table>
<thead>
<tr>
<th>FLUID NOZZLE</th>
<th>ID SIZE</th>
<th>FLOW RATE or MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>63ss</td>
<td>.028”</td>
<td>Up to 12 oz./min.</td>
</tr>
<tr>
<td>63A ss</td>
<td>.040”</td>
<td>Up to 20 oz./min.</td>
</tr>
<tr>
<td>63B ss</td>
<td>.046”</td>
<td>Up to 25 oz./min.</td>
</tr>
<tr>
<td>63C ss</td>
<td>.052”</td>
<td>Up to 28 oz./min.</td>
</tr>
<tr>
<td>64VT</td>
<td>.064”</td>
<td>Abrasive enamels</td>
</tr>
<tr>
<td>67ss</td>
<td>.070”</td>
<td>40 oz./min. and over</td>
</tr>
<tr>
<td>67VT</td>
<td>.086”</td>
<td>Heavy-body materials</td>
</tr>
<tr>
<td>68ss</td>
<td>.110”</td>
<td>Heavy-body materials</td>
</tr>
</tbody>
</table>

#### Siphon Feed

- 66ss .070 (1.8) Up to 12 oz./min.

#### Fluid Nozzle Orifice Size

<table>
<thead>
<tr>
<th>NOZZLE NUMBER</th>
<th>ORIFICE SIZE</th>
<th>ORIFICE ID (IN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>J-2ss</td>
<td>.043</td>
<td>1.1</td>
</tr>
<tr>
<td>3ss</td>
<td>.040</td>
<td>1.8</td>
</tr>
<tr>
<td>33B ss</td>
<td>.046</td>
<td>1.2</td>
</tr>
<tr>
<td>36B ss</td>
<td>.070</td>
<td>1.8</td>
</tr>
<tr>
<td>38B ss</td>
<td>.086</td>
<td>2.2</td>
</tr>
<tr>
<td>44B ss</td>
<td>.087</td>
<td>4.7</td>
</tr>
<tr>
<td>45B ss</td>
<td>.092</td>
<td>6.4</td>
</tr>
<tr>
<td>46B ss</td>
<td>.112</td>
<td>7.9</td>
</tr>
<tr>
<td>47B ss</td>
<td>.138</td>
<td>9.5</td>
</tr>
<tr>
<td>57B ss</td>
<td>.218</td>
<td>5.56</td>
</tr>
<tr>
<td>59B ss</td>
<td>.217</td>
<td>4.3</td>
</tr>
<tr>
<td>59Bss</td>
<td>.218</td>
<td>5.5</td>
</tr>
<tr>
<td>59C ss</td>
<td>.281</td>
<td>7.7</td>
</tr>
</tbody>
</table>

#### Note

- Stainless steel with tungsten carbide insert.
Nozzle and Needle Selection Charts

Model 460 Gun Nozzle Selection Chart

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID X AIR NOZZLES</th>
<th>TYPE</th>
<th>CFM AT 30 PSI</th>
<th>CFM AT 50 PSI</th>
<th>CFM AT 70 PSI</th>
<th>MAX. PAT. (INCHES) AT 8 IN.</th>
<th>FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIN</td>
<td>Lacquers, Enamels, Oils, Inks, Sealers</td>
<td>J900 x J920 PE</td>
<td>3.0</td>
<td>4.1</td>
<td>5.4</td>
<td>9</td>
<td>940</td>
</tr>
<tr>
<td></td>
<td></td>
<td>J940 x J920 PE</td>
<td>1.5</td>
<td>2.3</td>
<td>3.0</td>
<td>RD.</td>
<td>940</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>Lacquers, Sealers, Shellacs, Primers, Varnishes</td>
<td>J940 x J920 PE</td>
<td>1.5</td>
<td>2.3</td>
<td>3.0</td>
<td>RD.</td>
<td>940</td>
</tr>
<tr>
<td></td>
<td></td>
<td>K960 x K920 PE</td>
<td>2.7</td>
<td>4.0</td>
<td>5.3</td>
<td>9</td>
<td>960</td>
</tr>
</tbody>
</table>

Model 115 Gun Nozzle Selection Chart

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID X AIR NOZZLES</th>
<th>TYPE</th>
<th>CFM AT 30 PSI</th>
<th>CFM AT 50 PSI</th>
<th>CFM AT 70 PSI</th>
<th>MAX. PAT. (INCHES) AT 8 IN.</th>
<th>FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERY THIN</td>
<td>Wash Primers, Dyes, Stains, Cleaning Fluids, Water, Inks</td>
<td>78 x 785 SE</td>
<td>4.2</td>
<td>6.9</td>
<td>--</td>
<td>8</td>
<td>78ss</td>
</tr>
<tr>
<td></td>
<td></td>
<td>78 x 785D SE</td>
<td>2.8</td>
<td>4.0</td>
<td>--</td>
<td>7</td>
<td>78ss</td>
</tr>
<tr>
<td>THIN</td>
<td>Sealers, Primers, Lacquers</td>
<td>78 x 785 SE</td>
<td>4.2</td>
<td>6.9</td>
<td>--</td>
<td>8</td>
<td>78ss</td>
</tr>
<tr>
<td></td>
<td></td>
<td>78 x 785D SE</td>
<td>2.8</td>
<td>4.0</td>
<td>--</td>
<td>7</td>
<td>78ss</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>Lacquers, Primers, Varnishes, enamels, House Paints</td>
<td>78 x 785 SE</td>
<td>4.2</td>
<td>6.8</td>
<td>--</td>
<td>8</td>
<td>78ss</td>
</tr>
</tbody>
</table>

Note: PE = Pressure External  SE = Siphon External  PI = Pressure Internal

Nozzle Selection Chart for Extensions EAX, EBX, ENX and ERX

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID X AIR NOZZLES</th>
<th>TYPE</th>
<th>CFM AT 30 PSI</th>
<th>CFM AT 50 PSI</th>
<th>CFM AT 70 PSI</th>
<th>MAX. WIDTH PATTERN AT 8 INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHT TO MEDIUM</td>
<td>Lacquers, Oils, Enamels, Primers</td>
<td>J-2SS x R-6SS PI</td>
<td>2.9</td>
<td>4.5</td>
<td>6.0</td>
<td>RD.</td>
</tr>
</tbody>
</table>

Fluid Nozzle Orifice Sizes - J-2SS .043" (1.1mm)

Nozzle Selection Chart - (7D)

<table>
<thead>
<tr>
<th>Fluid x Air</th>
<th>Fluid Nozzle Orifice Size</th>
</tr>
</thead>
</table>

Nozzle Selection Chart - (7E2)

<table>
<thead>
<tr>
<th>Nozzle Combination Fluid x Air</th>
<th>Fluid Nozzle Orifice Size (Inches)</th>
<th>Airflow Required at 50 PSI (CFM)</th>
</tr>
</thead>
</table>

Airless Twist-Tip Chart

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>COATING</th>
<th>FAN WIDTH (in inches)</th>
<th>ORIFICE SIZES</th>
</tr>
</thead>
</table>

Twist-Base Retainers - (Part Sheet 77-2613)

<table>
<thead>
<tr>
<th>Number</th>
<th>3/4&quot; 20</th>
<th>7/8&quot; 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>454-12</td>
<td>2 x 10&quot; fan</td>
<td>1/16&quot;</td>
</tr>
</tbody>
</table>
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