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 also 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.
HVLP (High Volume, Low Pressure)

- Easy-grip sideport and fluid needle controls
- In-line fluid and air valve with low friction seals
- Drop-forged aircraft grade aluminum alloy body
- Smooth trigger action
- Anodized aluminum alloy air nozzle
- Stainless steel fluid needle
- Stainless fluid nozzle 303 S.S.
- Comfortable handle
- Modular gun head assembly
- Stainless steel fluid passage for use with standard and corrosive materials

HVLP spraying has emerged as an important technology in today’s industrial finishing. HVLP consumes higher volume air at lower pressure to atomize coatings. By reducing atomizing air pressure at the air nozzle, forward velocity of the spray is also reduced, minimizing “bounce back” and “overspray” from the article being coated. This results in substantial savings in coating materials, booth filter usage, and helps industrial finishing operations meet compliance regulations.

Normal operating nozzle pressures range from 3 to 10 PSI, with air consumption from 6 to 22 CFM. Lower viscosity materials can be atomized from 3 to 5 PSI, while heavier materials and higher fluid deliveries require the higher air settings, upwards of 10 PSI.

The Binks MACH series of HVLP equipment operates and handles like traditional spray guns and uses standard factory compressed air.

Operators adapt very quickly to the reduced overspray cloud of paint and the “soft spray” pattern provided by HVLP. The MACH series provides the finish quality craftsmen have come to expect from Binks equipment.
## MACH 1 HVLP System

### Features & Benefits

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
<th>Binks</th>
</tr>
</thead>
</table>
| Compliance with all government regulations for “high volume, low pressure” spray guns | **Efficiency**
Transfer efficiency as required by today’s air quality regulations | In 1890, Binks pioneered the spray gun industry with the introduction of the first cold-water paint spraying machine. Today, you can find Binks spray finishing technology at work in virtually every industry around the world. Binks extensive product line includes air and airless spray painting outfits, high and low pressure material handling pumps, pressure tanks, paint circulating systems, and much more. |
| Unique HVLP nozzle design for optimum materials atomization | **Material Savings**
Cost efficient compressed air consumption ranges from 8 to 22 SCFM depending on operating pressure. A 1.5 to 5 horsepower air compressor is normally sufficient to supply atomizing air | |
| Stainless steel fluid passages, nozzle and needle make it compatible with waterborne coatings | **Controllable**
Total control of atomizing air pressure, fluid flow, and spray pattern, operates with compressed air from your shop or existing plant air supply | |
| Oversize air and fluid control knobs | **Operator Comfort**
Lightweight, slimmer grip fits hand comfortably. And, compact body design centers weight over handle for perfect balance and less fatigue | |
| Lightweight, rugged, aircraft grade forged aluminum alloy body | | |

---

**Compliance with all government regulations for “high volume, low pressure” spray guns**

**Oversize air and fluid control knobs**

**Unique HVLP nozzle design for optimum materials atomization**

**Stainless steel fluid passages, nozzle and needle make it compatible with waterborne coatings**

**Lightweight, rugged, aircraft grade forged aluminum alloy body, with slimmer grip, fits hand comfortably**
Consider the following points when selecting an air nozzle combination:

A. Material To Be Sprayed –
Select the type of fluid you want to spray or a fluid which has the same characteristics as one of those listed.

B. Method of Feeding –
(Material to the Spray Gun)
Consider the speed of application, flow rate and the viscosity of the fluid to be sprayed.

Air Nozzle –
Choice is determined by the type of fluid to be sprayed and the volume of air available for the spray gun.

External Mix Nozzles –
The most widely used nozzles. Atomization is accomplished outside the nozzle. Spray patterns are adjustable from round to fan with all intermediate patterns.

Siphon Type External Mix Nozzles –
(Designated with the letter “S”)
Siphon material from a cup. Used generally for refinishing and touch-up work which do not require large quantities of paint.

Pressure Type External Mix Nozzles –
(Designated with the letter “P”)
Require pressure to feed the material to the nozzle. A pressure cup, pressure tank, or pump is necessary. Used for production work and where large quantities of fluid are handled. This type of nozzle has a greater range of fluid flow and does not limit the size of the paint container.

C. Volume of Air (CFM Required) –
The cubic feet per minute (CFM) is the actual air used by the air nozzle. An increase of pressure subsequently increases volume of air required by the air nozzle or vice versa. Assume that a compressor will produce 3-5 CFM per horsepower at 100 PSI. Note: The greater the air consumption, the faster the fluid may be applied or the finer a given amount of fluid can be atomized.

Fluid Nozzles –
(1) Choose the fluid nozzle by determining the application speed you want and the approximate fluid viscosity. The faster the speed or the heavier the fluid, the larger the nozzle orifice size should be.

(2) Match the fluid nozzle to the desired air nozzle per the chart below.

(3) Select the material of consideration. Note: standard fluid nozzles are made of 303 stainless steel.

### Pressure

<table>
<thead>
<tr>
<th>VISCOSITY</th>
<th>FLUID NOZZLE</th>
<th>AIR NOZZLE (PRESSURE)</th>
<th>AIR VOLUME AT 10 PSI SCFM</th>
<th>OZ. PER MIN. FLOW</th>
<th>PATTERN AT 10&quot;</th>
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</thead>
<tbody>
<tr>
<td>18</td>
<td>90P</td>
<td>6</td>
<td>—</td>
<td>10.1</td>
<td>15&quot;</td>
</tr>
<tr>
<td>Seconds</td>
<td>92P</td>
<td>7</td>
<td>—</td>
<td>15&quot;</td>
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</tr>
<tr>
<td>In a</td>
<td>(.046)</td>
<td>93P</td>
<td>9</td>
<td>10.1</td>
<td>15&quot;</td>
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<tr>
<td>Zahn #2 Cup</td>
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<td>13</td>
<td>12.5</td>
<td>17.5&quot;</td>
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<tr>
<td>Part No.</td>
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<td>9.2</td>
<td>12.5&quot;</td>
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<tr>
<td>40-3568</td>
<td>97P</td>
<td>21</td>
<td>8.4</td>
<td>16&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>95AP</td>
<td>21</td>
<td>10.6</td>
<td>16&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>97AP</td>
<td>21</td>
<td>10.4</td>
<td>16&quot;</td>
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<tr>
<td>Zahn #2 Cup</td>
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<tr>
<td>Part No.</td>
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<td>7.4</td>
<td>12&quot;</td>
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<tr>
<td></td>
<td>97AP</td>
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<td>7.4</td>
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<tr>
<td>25</td>
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<tr>
<td>Seconds</td>
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<tr>
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<td>10.3</td>
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<td></td>
<td>97AP</td>
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<td>9.46</td>
<td>12.5&quot;</td>
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</tr>
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</table>

NOTE: Flow rates tested at 3 PSI fluid pressure with a 1 quart pressure cup.

### Siphon

<table>
<thead>
<tr>
<th>VISCOSITY</th>
<th>FLUID NOZZLE</th>
<th>AIR NOZZLE (PRESSURE)</th>
<th>AIR VOLUME AT 10 PSI SCFM</th>
<th>OZ. PER MIN. FLOW</th>
<th>PATTERN AT 10&quot;</th>
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<tr>
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<tr>
<td>Seconds</td>
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<td>95AS</td>
<td>22</td>
<td>4.0</td>
<td>13&quot;</td>
</tr>
<tr>
<td>In a</td>
<td>1.4 mm</td>
<td>95AS</td>
<td>22</td>
<td>7.1</td>
<td>16&quot;</td>
</tr>
<tr>
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<td>95AS</td>
<td>22</td>
<td>7.1</td>
<td>16&quot;</td>
</tr>
<tr>
<td>Part No.</td>
<td>1.8 mm</td>
<td>95AS</td>
<td>22</td>
<td>7.1</td>
<td>16&quot;</td>
</tr>
</tbody>
</table>

NOTE: Flow rates tested at 3 PSI fluid pressure with a 1 quart pressure cup.
The MACH 1SL HVLP is a lightweight, top quality, high performance spray gun. The superbly balanced forged aluminum body is ergonomically designed with a compact grip size, offering the operator extra comfort and control. All of the spray gun’s components are machined and finished to exacting tolerances using only the highest quality materials, including long life self-adjusting packings to ensure years of peak efficiency.

The MACH 1 SL HVLP is simple to operate, and provides exceptional finish quality with all of today’s complex coatings, including high solids, waterborne, industrial automotive, and aerospace coatings. All fluid contact surfaces within the spray gun, including inlet, nozzle and needle, are corrosion resistant for use with waterborne coatings.

In addition, specially designed air and fluid nozzles enable the MACH 1SL HVLP to operate at high transfer efficiency in compliance with air quality regulations as an HVLP spray gun.

Model MACH 1SLA
Same features as the MACH 1SL, but with adjustable fluid inlet.

Technical Specifications

- Body: Drop-forged aluminum
- Weight: 16.5 Oz.
- Air Inlet: 1/4” NPS (m)
- Fluid Inlet: 3/8” NPS (m)
- Fluid Passages: Stainless Steel
- Feed Type: Pressure / Siphon Feed
- Part Sheet: 77-2665
- Gun Repair Kit: 54-4278

Most Popular Nozzle Set Ups:

- MACH 1SL 94 - 94P
- MACH 1SL 94 - 93P
- MACH 1SL 92 - 94P
- MACH 1SL 94 - 97P

Standard Fluid Nozzle and Needle are 303 Stainless Steel

See page 15 for additional standard and specialty fluid nozzle recommendations.

MACH 1SL Gun Outfits:

- 1 Qt. Siphon Cup 98-1176
- 1 Qt. Pressure Cup w/Regulator 0-15 PSI 98-1141
- 2 Qt. Remote Pressure Cup w/hoses 98-1198
The MACH 1 is a full size HVLP spray gun with special nozzles and modifications that allow it to operate at high transfer efficiencies in compliance with the California South Coast Air Quality Management District (SCAQMD) regulations as a high volume low pressure (HVLP) air spray gun.

Constructed of a lightweight drop-forged aluminum body and stainless steel fluid passages, including long life self-adjusting packings, this spray gun is designed to stand up under hard, continuous use. It operates like a conventional spray system utilizing compressed shop air.

### Technical Specifications

- **Body:** Drop-forged aluminum
- **Weight:** 20.1 Oz.
- **Air Inlet:** 1/4" NPS (m)
- **Fluid Inlet:** 3/8" NPS (m)
- **Fluid Passages:** Stainless Steel
- **Feed Type:** Pressure / Siphon Feed
- **Part Sheet:** 77-2463
- **Gun Repair Kit:** 54-3605

### Most Popular Nozzle Set Ups:

- MACH 1 94 - 94P
- MACH 1 94 - 93P
- MACH 1 92 - 94P
- MACH 1 91 - 94P

Standard Fluid Nozzle and Needle are 303 Stainless Steel

See page 15 for additional standard and specialty fluid nozzle recommendations.
The M1-G HVLP gravity feed spray gun not only complies with all air quality regulations, but also will atomize and spray as quickly as a conventional air spray gun. An innovative low volume air nozzle designed specifically for automotive OEM and industrial use allows the M1-G to spray basecoats, clear coats, waterbornes, and high solids at fast application speeds with material savings of up to 50%. This comfortably light, superbly balanced spray gun is easy to operate and smooth to trigger with only 18 lbs. of inlet pressure required. M1-G employs a unique long lasting self-adjusting cartridge packing for simple replacement.

## Technical Specifications

- **Body:** Drop-forged aluminum
- **Weight:** 21.9 Oz.
- **Air Inlet:** 1/4" NPS (m)
- **Feed Type:** Gravity
- **Part Sheet:** 77-2650
- **Gun Repair Kit:** 54-4367

## Most Popular Nozzle Set Ups:

- M1-G 94 - 93P
- M1-G 97 - 93P
- M1-G 94GS - 96G (for Clear Coat)
- Standard Fluid Nozzle and Needle are 303 Stainless Steel

## Accessories:

- 54-4720 . . . . . .1 Liter Aluminum Cup (Standard)
- 54-4350 . . . . . .Gun Stand (B)
- GFC-501 . . . . . .20 oz. Acetal Cup w/Screw On Lid
- OMX-70-K8 . . .EZ Liner Disposable Cup Liners 8 per pak (not shown)
- OMX-70-K48 . . .EZ Liner Disposable Cup Liners 48 per pak (not shown)
Cub SL and MACH 1 Cub

The Cub SL (siphon/pressure) and MACH 1 Cub (overhead trigger) are the finest touch-up and specialty HVLP coatings guns available today.

Special air and fluid nozzles enable these guns to atomize fluid at low velocities, creating a soft spray effect. A range of fluid and air nozzles are available. These guns have been ergonomically designed to give operators superb control and comfort over a wide range of uses.

Cub SL

The Cub SL gun is in use throughout the world. Perfect for touch-up or fine finish detail spraying. The Cub SL can be outfitted with an 8 oz. siphon or pressure-assisted cup.

Cub SL Specifications:

- Body: Drop-forged aluminum
- Weight: 12.3 Oz.
- Air Inlet: 1/4" NPS (m)
- Fluid Inlet: 1/4" NPS (m)
- Fluid Passages: Stainless Steel
- Feed Type: Pressure / Siphon Feed
- Part Sheet: 77-2734
- Gun Repair Kit: 54-4479

Cub SL Most Popular Nozzle Set Ups:

- Cub SL 55T - 2S
- Cub SL 40T - 2S

Cub SL Outfits:

- Siphon - 8 Oz. Siphon Cup: 98-637
- Pressure Assist - 8 Oz. Cup: 98-639

MACH 1 Cub

The MACH 1 Cub (overhead trigger) was designed with ultimate precision and operator comfort in mind—a compact, lightweight gun that is easily maneuverable yet extremely durable. The MACH 1 Cub features a lateral index finger trigger for natural control and an elongated fluid inlet to serve as a finger rest. Newly designed air caps enable the MACH 1 Cub to produce unsurpassed atomization quality in a 10-inch spray pattern.

MACH 1 Cub Specifications:

- Body: Drop-forged aluminum
- Weight: 10 Oz.
- Air Inlet: 1/4" NPS (m)
- Fluid Inlet: 1/4" NPS (m)
- Fluid Passages: Stainless Steel
- Feed Type: Pressure / Siphon Feed
- Part Sheet: 77-2570
- Gun Repair Kit: 54-4139

MACH 1 Cub Most Popular Nozzle Set Ups:

- MACH 1 Cub 55T - 2S
  (All set-ups come with a 54-4109 stainless steel fluid needle.)

MACH 1 Cub Outfits:

- Siphon - 8 Oz. Siphon Cup: 98-1155
  See page 17 for additional air pressure and fluid nozzle selection charts for Cub SL and MACH 1
The Binks AA1500™ Air Assisted Spray Gun with New AA-10 Air Cap improves fan pattern adjustment for hard-to-reach areas, and reduces build-up of acid catalyzed coatings. These features are particularly beneficial in the wood finishing industries, such as cabinet shops and furniture manufacturers, where recessed and hard-to-reach spaces require special attention to attain an even and thorough finish. This means:

- Fan pattern adjustment from 100% to approximately 60%.
- New AA-10 Air Caps can be used with new and old model AA-1500 spray guns.
- Newly-designed side port control.
- Better transfer efficiency.
- A softer spray pattern.
- Less bounceback.
- Lower booth maintenance costs.
- Less overspray contaminating other parts.
- Longer life on wear parts.

The design of the Binks AA1500 reduces operator fatigue which increases production rates, improves finish quality, and improves efficiency while reducing the risk of painful and costly CTD’s (Cumulative Trauma Disorders).

- Handle designed to fit comfortably in the hand.
- Weighs 22% less than closest competitor (16 oz. vs 20.4 oz).
- Trigger Pull Tension is 22% lighter than closest competitor (3.2 lbs. vs 4.1 lbs.).
- Trigger Span/distance for full trigger pull is 33% less than closest competitor (.4” vs .6”).

Simple design, parts changeouts in 3 to 5 minutes.

- AA-10 Air Cap and side port adaptable to older model AA-1500 spray guns.
- Component cartridge design for quick and easy repairs.
- No special tools needed for repairs.
- Low replacement costs on main wear parts (tips, needle/packing cartridge, seats, and air caps).

Accessory items include hoses, fittings, fluid seats, fluid filters, fluid regulators, repair and cleaning kit. See spray tip selection chart for orifice size and fan required.

* Using 54-5302 Conversion Kit

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### Technical Specifications

**Maximum Fluid Pressure:** 1500 psi / 105 bar
**Maximum Air Pressure:** 100 psi / 6.8 bar
**Gun Body:** Forged Aluminum
**Fluid Path:** Stainless Steel
**Fluid Shut Off Type:** Stainless Steel Ball
**Seat:** Standard UHMW or Optional Tungsten Carbide

**Fluid Inlet Size:** .019 1/4” NPS (m) Thread
**Air Inlet Size:** .019 NPT (m) x 3/8” O.D.
**Trigger Span:** .019 10 oz. / 275 g

**Spray Tip Selection Charts**

<table>
<thead>
<tr>
<th>PART#</th>
<th>SIZE</th>
<th>FAN WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>113-00702</td>
<td>.007</td>
<td>1&quot; – 2&quot;</td>
</tr>
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<td>.007</td>
<td>2&quot; – 4&quot;</td>
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<td>113-00706</td>
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<td>.010</td>
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</tr>
</tbody>
</table>

**Spray Tip Selection Chart for orifice size and fan required.**

- Base on 1500 PSI with water. Actual results may vary, depending on material viscosity.

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**Spray Gun Weight:** 15 oz / 500 g

**Part Sheet:** 77-2838

**Technical Specifications**

- **Flow rate of fluid materials through spray tip, oz./min.**
  - **Medium - Lacquers, Synthetics, Enamels, Varnishes, Shellacs**
    - .009: 500 PSI 2.1 oz., 1000 PSI 3.2 oz., 1500 PSI 4.3 oz.
  - **Thin - Sealers, Lacquers, Primers, Ink, Zinc Chromate, Acrylics**
    - .009: 500 PSI 1.1 oz., 1000 PSI 1.7 oz., 1500 PSI 2.1 oz.

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**Spray Gun with New AA-10 Air Cap**

- **ADJUSTABLE SPRAY PATTERN**
  - Based on 1000 PSI with water. Actual results may vary, depending on material viscosity.

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**AA1500 Air Assisted Airless HVLP Spray Gun**

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**Binks**

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**AA1500 Technical Specifications**

- **Flow rate of fluid materials through spray tip, oz./min.**
  - **Medium - Lacquers, Synthetics, Enamels, Varnishes, Shellacs**
    - .009: 500 PSI 2.1 oz., 1000 PSI 3.2 oz., 1500 PSI 4.3 oz.
  - **Thin - Sealers, Lacquers, Primers, Ink, Zinc Chromate, Acrylics**
    - .009: 500 PSI 1.1 oz., 1000 PSI 1.7 oz., 1500 PSI 2.1 oz.

---

**Spray Gun Weight:** 15 oz / 500 g

**Part Sheet:** 77-2838
The Binks AA4000™ Air Assisted Spray Gun with New AA-10HP Air Cap improves fan pattern adjustment for hard-to-reach areas, and reduces build-up of acid catalyzed coatings. These features are particularly beneficial in the wood finishing industries, such as cabinet shops and furniture manufacturers, where recessed and hard-to-reach spaces require special attention to attain an even and thorough finish.

- Fan pattern adjustment from 100% to approximately 60%
- **New** AA-10HP Air Caps can be used with new and old model AA-4000 spray guns*
- Newly-designed side port control

**HVL P means:**
- Better transfer efficiency
- A softer spray pattern
- Less bounceback
- Less overspray contaminating other parts
- Longer life on wear parts

**Simple design, parts changeouts in 3-5 minutes.**
- Component cartridge design for quick and easy repairs
- No special tools needed for repairs
- Low replacement costs on main wear parts (tips, needle/packing cartridge, seats, and air caps)

Ergonomic design reduces operator fatigue. The design of the Binks AA4000 reduces operator fatigue which increases production rates, improves finish quality, and improves efficiency while reducing the risk of painful and costly CTD’s (Cumulative Trauma Disorders).

- AA-10HP Air Cap and side port adaptable to older model AA-4000 spray guns*
- Handle designed to fit comfortably in the hand
- Weighs 22% less than closest competitor (16 oz. vs. 20.4 oz.)
- Trigger Span/distance for full trigger pull is 33% less than closest competitor (.4” vs .6”)
- Specifications

**Maximum Fluid Pressure:** . . . . . . 4000 psi / 275 bar
**Maximum Air Pressure:** . . . . . . . . . . 100 psi / 6.8 bar
**Gun Body:** . . . . . . . . . . . . . . . . . . . . . Forged Aluminum
**Fluid Path:** . . . . . . . . . . . . . . . . . . . . . . Stainless Steel
**Fluid Shut Off Type:** . . . . . . . Tungsten Carbide Seat (UHMW Seat Optional)
**Fluid Inlet Size:** . . . . . . . . . . . . . 1/4” NPS(m) Thread
**Air Inlet Size:** . . . . . . . . . . 1/8” NPT(m) x 1/4” NPS(m) D.M. Nipple
**Gun Weight:** . . . . . . . . . . . . . . . . . . . . . 16 oz. / 500 g
**Part Sheet:** . . . . . . . . . . . . . . . . . . . . . . . . . . . . 77-2839

**Spray Tip Selection Charts**

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<thead>
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<td>.007</td>
<td>4” – 6”</td>
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<tr>
<td>113-00708</td>
<td>.007</td>
<td>6” – 8”</td>
</tr>
<tr>
<td>113-00802</td>
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<tr>
<td>113-00908</td>
<td>.009</td>
<td>6” – 8”</td>
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<tr>
<td>113-00910</td>
<td>.009</td>
<td>8” – 10”</td>
</tr>
<tr>
<td>113-00912</td>
<td>.009</td>
<td>10” – 12”</td>
</tr>
<tr>
<td>113-01104</td>
<td>.011</td>
<td>2” – 4”</td>
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<td>113-01106</td>
<td>.011</td>
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<tr>
<td>113-01108</td>
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<td>113-01110</td>
<td>.011</td>
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<td>113-01112</td>
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</tr>
<tr>
<td>113-01114</td>
<td>.011</td>
<td>12” – 14”</td>
</tr>
</tbody>
</table>

*Based on 1000 PSI with water. Actual results may vary, depending on material viscosity.*

* Using 54-5301 Conversion Kit
### MAG AA Automatic

The unique Binks air assisted airless tip and air cap design is now available in a new manifold automatic gun platform. The two-piece design is ideally suited for multi-gun finishing equipment such as rotary machines, reciprocators, or fixed chain-on-edge systems located in high production environments. Fluid and air connections, as well as a patent pending in-line filter design are located in the manifold, providing quick and easy removal of the gun for periodic maintenance.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Air Pressure</td>
<td>100 psi/6.8 bar</td>
</tr>
<tr>
<td>For HVLP compliance</td>
<td>20 psi inlet pressure delivers 10 psi air cap pressure at 8 cfm air volume</td>
</tr>
<tr>
<td>Maximum Fluid Pressure</td>
<td>4000 psi/275 bar</td>
</tr>
<tr>
<td>Minimum/Maximum Cylinder Actuating Pressure</td>
<td>50 psi/3.4 bar (min.), 100 psi/6.8 bar (max.)</td>
</tr>
<tr>
<td>Gun Body</td>
<td>Stainless Steel, Aluminum</td>
</tr>
<tr>
<td>Fluid Path</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Fluid Shut Off Type</td>
<td>UHMW Seat (std.), Tungsten Carbide Seat (opt.)</td>
</tr>
<tr>
<td>Fluid Inlet and Outlet Size</td>
<td>1/4&quot; NPT thread</td>
</tr>
<tr>
<td>Air Inlet Size</td>
<td>Atomizing Air: 1/4&quot; NPT(F) manifold body, 1/4&quot; NPT x 1/4&quot; NPS(M) fitting Fan Air: 1/4&quot; NPT(F) manifold body, 1/4&quot; soc head plus (M) fitting Cylinder Air: 1/8&quot; NPT(F) manifold body, 1/8&quot; NPT x 1/4&quot; O.D. tube fitting</td>
</tr>
</tbody>
</table>

For additional information, contact Technical Support. Bulletin A54-71 and Part Sheet 77-2797

### MAG HVLP Automatic

The unique manifold-mounted Binks MAG HVLP Automatic Gun incorporates proven technologies of Binks HVLP air caps and fluid nozzles. The two-piece design is ideally suited for multi-gun finishing equipment such as rotary machines, reciprocators, or fixed chain-on-edge systems located in high production environments. Fluid and air connections, as well as an optional, patent pending, in-line filter design are located in the manifold, providing quick and easy removal of the gun for periodic maintenance.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Air Pressure</td>
<td>100 psi/6.8 bar</td>
</tr>
<tr>
<td>For HVLP compliance</td>
<td>See Page 16</td>
</tr>
<tr>
<td>Maximum Fluid Pressure</td>
<td>120 psi/8.3 bar</td>
</tr>
<tr>
<td>Minimum/Maximum Cylinder Actuating Pressure</td>
<td>50 psi/3.4 bar (min.), 100 psi/6.8 bar (max.)</td>
</tr>
<tr>
<td>Gun Body</td>
<td>Stainless Steel, Aluminum</td>
</tr>
<tr>
<td>Fluid Path</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Fluid Inlet and Outlet Size</td>
<td>1/4&quot; NPT (F) thread</td>
</tr>
<tr>
<td>Air Inlet Size</td>
<td>Atomizing Air: 1/4&quot; NPT(F) manifold body, 1/4&quot; NPT x 1/4&quot; NPS(M) fitting Fan Air: 1/4&quot; NPT(F) manifold body, 1/4&quot; soc head plus (M) fitting Cylinder Air: 1/8&quot; NPT(F) manifold body, 1/8&quot; NPT x 1/4&quot; O.D. tube fitting</td>
</tr>
</tbody>
</table>

For additional information, contact Technical Support. Bulletin A54-72 and Part Sheet 77-2803
MACH 1A & 1AR HVLP

MACH 1A

Incorporating some of the best features of our award winning MACH 1 HVLP spray gun, the MACH 1A Automatic offers total control of atomizing air pressure, side port air, fluid flow, and spray patterns in production settings which require automatic equipment. These features give it an exceptionally high degree of atomizing capability with a wide range of coatings. This spray gun provides transfer efficiency in compliance with all regulations for air quality as an HVLP air spray gun and meets SCAQMD Rules for HVLP.

Constructed of a lightweight drop-forged aluminum body and stainless steel fluid passages, the spray gun is designed to stand up under hard, continuous use. Ranges from 6 to 22 SCFM depending on operating pressure. A 1.5 to 5 horsepower air compressor is normally sufficient to supply atomizing air.

The MACH 1A also features independent control of atomizing and side port air, giving it an exceptionally high degree of atomizing capability with a wide range of coatings.

MACH 1AR

Model MACH 1AR HVLP includes the same features as the MACH 1A Automatic except a ratchet adjustment is located on the back of the gun for indication of exact needle position. This gun is ideal for applications where visual indication of fluid needle location is essential. It is pneumatically activated for application in a variety of automated spray systems.

Technical Specifications

- Body: Drop-forged 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” Dia.
- Part Sheet: 77-2467
- Gun Repair Kit: 54-3980
- Packing Kit (Minus Needle): 54-4261

Most Popular Nozzle Set Ups:

- MACH 1A 94 - 94P
- MACH 1A 94 - 93P
- MACH 1A 92 - 94P
- MACH 1A 91 - 94P

Standard Fluid Nozzle and Needle are 303 Stainless Steel

Accessories:

- Mounting Bracket: 54-380
- Gun Covers: 54-3691 (Package of 20)
- Needle Packing Guard: 54-4270
- Heavy Duty Spring: 54-4096

MACH 1A

MACH 1AR

BINKS
### MACH 1A
Automatic Nozzle & Needle Selection Charts

#### Standard Nozzles MACH 1A Selection Chart

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE</th>
<th>APPLICABLE AIR NOZZLE*</th>
<th>COMPATIBLE FLUID NEEDLE+</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTRA LIGHT / Reduced flow</td>
<td>89 (.020&quot; Dia.) 0.5 mm</td>
<td>95P, 97P, 95AP, 97AP*, 47-478</td>
<td></td>
</tr>
<tr>
<td>VERY LIGHT / Reduced flow</td>
<td>89A (.025&quot; Dia.) 0.65 mm 90 (.030&quot; Dia.) 0.8 mm</td>
<td>92P, 93P 95AP, 97AP*, 94P</td>
<td></td>
</tr>
<tr>
<td>LIGHT: Less than 15 to 20 seconds in a Zahn 2 Cup, e.g. stains, varnishes, thin lacquers, automotive refinishing materials</td>
<td>91 (.040&quot; Dia.) 1.0 mm 92 (.046&quot; Dia.) 1.2 mm</td>
<td>95P, 97P, 95AP, 97AP*, 47-478</td>
<td></td>
</tr>
<tr>
<td>MEDIUM: 20 to 60 seconds in a Zahn 2 Cup, e.g., general industrial coating</td>
<td>94 (.055&quot; Dia.) 1.4 mm</td>
<td>47-478</td>
<td></td>
</tr>
<tr>
<td>HEAVY: Greater than 60 seconds in a Zahn 2 Cup</td>
<td>97 (.070&quot; Dia.) 1.7 mm</td>
<td>47-478</td>
<td></td>
</tr>
</tbody>
</table>

* For air nozzle CFM usage see page 16
**Blue Max* fine finish nozzles

#### Special Purpose Nozzles MACH 1A Selection Chart

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE</th>
<th>AIR NOZZLE</th>
<th>FLUID NEEDLE+</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERY HEAVY MATERIALS: Block fillers, texture coatings, fire retardants, road marking paint, bitumastics, adhesives, cellular plastisols, underbody and vitreous coatings, special applications.</td>
<td>94VT (.052&quot;) 1.3 mm ∆ 901VT (.066&quot;) 1.6 mm ∆ 903 (.079&quot;) 2.0 mm 905 (.089&quot;) 2.3 mm 905VT (.088&quot;) 2.3 mm ∆ 906 (.1&quot;) 2.5 mm 909 (.111&quot;) 2.8 mm 909VT (.112&quot;) 2.8 mm ∆</td>
<td>95P, 97P 94P 905P, 907P</td>
<td>54-3966 54-3967 54-3968</td>
</tr>
<tr>
<td>FEATHERING: For applications requiring more gradual valve opening for fluid flow control.</td>
<td>906 (.030&quot;) 0.8 mm 91F (.040&quot;) 1.0 mm 92F (.046&quot;) 1.2 mm 94F (.055&quot;) 1.4 mm 97F (.070&quot;) 1.7 mm</td>
<td>95P, 97P 95AP, 97AP</td>
<td>54-4032 54-4033 54-4034</td>
</tr>
<tr>
<td>SQUARE TIP NEEDLE - HVLP For hard to atomize automotive-type thin clear coats ▼ Note: (54-3531 retaining ring is required with 905P air nozzle)</td>
<td>906 (.110&quot;) 2.7 mm</td>
<td>905P ▼</td>
<td>54-4399</td>
</tr>
</tbody>
</table>

∆ Carbide Tip
## Standard Air and Fluid Nozzles

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>APPLICABLE AIR NOZZLES</th>
<th>MACH 1 FLUID NEEDLE</th>
<th>MACH 1 SL FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTRA LIGHT / Reduced flow</td>
<td>89 (.020&quot; Dia.) 0.5 mm</td>
<td>90***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VERY LIGHT / Reduced flow</td>
<td>89A (.025&quot; Dia.) 0.65 mm</td>
<td>90 (.030&quot; Dia.) 0.8 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT: Less than 15 to 20 seconds in a Zahn 2 Cup, e.g., stains, varnishes, thin lacquers, automotive refinishing fluids</td>
<td>91 (.040&quot; Dia.) 1.0 mm</td>
<td>95P, 97P 92P*</td>
<td>54-3941♦</td>
<td>54-4382♦</td>
</tr>
<tr>
<td>MEDIUM: 20 to 60 seconds in a Zahn 2 Cup, e.g., general industrial coatings.</td>
<td>92 (.046&quot; Dia.) 1.2 mm</td>
<td>95AP, 97AP**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEAVY: Greater than 60 seconds in a Zahn 2 Cup</td>
<td>94 (.055&quot; Dia.) 1.4 mm</td>
<td>93P</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

♦ STANDARD: Fluid needle is stainless steel
OPTIONAL: Stainless steel with nylon tip (54-3940 MACH 1) (54-4381 MACH 1SL)

## Special Purpose Nozzles

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>APPLICABLE AIR NOZZLES</th>
<th>MACH 1 COMPATIBLE FLUID NEEDLE</th>
<th>MACH 1 SL COMPATIBLE FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERY HEAVY MATERIALS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block Fillers, Texture Coatings, Fire Retardants, Bitumastics, Road Marking Paint, Adhesives, Cellular Plastisols, Underbody and Vitreous Coatings, Special Applications.</td>
<td>94VT (.052&quot;) 1.3 mm</td>
<td>Carbide Tip</td>
<td>95P, 97P 94P</td>
<td>54-3950</td>
</tr>
<tr>
<td></td>
<td>901VT (.066&quot;) 1.6 mm</td>
<td>Carbide Tip</td>
<td>905P</td>
<td>54-3951</td>
</tr>
<tr>
<td></td>
<td>903 (.079&quot;) 2.0 mm</td>
<td>905P</td>
<td>54-3941 / 54-3940</td>
<td>54-4382 / 54-4381</td>
</tr>
<tr>
<td></td>
<td>905 (.089&quot;) 2.3 mm</td>
<td>905P</td>
<td>54-3941 / 54-3940</td>
<td>54-4382 / 54-4381</td>
</tr>
<tr>
<td></td>
<td>906VT (.108&quot;) 2.5 mm</td>
<td>Carbide Tip</td>
<td>54-3952</td>
<td>54-4385</td>
</tr>
<tr>
<td></td>
<td>909 (.111&quot;) 2.9 mm</td>
<td>Carbide Tip</td>
<td>54-3941 / 54-3940</td>
<td>54-4382 / 54-4381</td>
</tr>
<tr>
<td></td>
<td>909VT (.112&quot;) 2.8 mm</td>
<td>Carbide Tip</td>
<td>54-3941 / 54-3940</td>
<td>54-4382 / 54-4381</td>
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</table>

FEATHERING:
For applications requiring more gradual fluid needle valve opening for metering control of fluid flow with trigger.

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>APPLICABLE AIR NOZZLES</th>
<th>MACH 1 COMPATIBLE FLUID NEEDLE</th>
<th>MACH 1 SL COMPATIBLE FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90F (.030&quot;) 0.8 mm</td>
<td>94P</td>
<td>54-4022</td>
<td>54-4387</td>
</tr>
<tr>
<td></td>
<td>91F (.040&quot;) 1.0 mm</td>
<td>95P, 97P</td>
<td>54-4023</td>
<td>54-4388</td>
</tr>
<tr>
<td></td>
<td>92F (.046&quot;) 1.2 mm</td>
<td>92P*</td>
<td>54-4024</td>
<td>54-4389</td>
</tr>
<tr>
<td></td>
<td>94F (.055&quot;) 1.4 mm</td>
<td>95AP***</td>
<td>54-4026</td>
<td>54-4390</td>
</tr>
<tr>
<td></td>
<td>97F (.070&quot;) 1.7 mm</td>
<td>97AP***</td>
<td>54-4029</td>
<td>54-4391</td>
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</table>

SIPHON FEED-FINE FINISH:
Light to medium fluids
Auto body spot repairs
Medium to heavy fluids
Auto body overall finishing

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>APPLICABLE AIR NOZZLES</th>
<th>MACH 1 COMPATIBLE FLUID NEEDLE</th>
<th>MACH 1 SL COMPATIBLE FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>94x (.055&quot;) 1.4 mm</td>
<td>95AS•</td>
<td>54-4026</td>
<td>54-4390</td>
</tr>
<tr>
<td></td>
<td>97x (.070&quot;) 1.7 mm</td>
<td>95AS•</td>
<td>54-4029</td>
<td>54-4391</td>
</tr>
</tbody>
</table>

SQUARE TIP NEEDLE - HVLP
For hard to atomize automotive-type thin clear coats

▼ Note: (54-3531 Retaining Ring is required with 905P air nozzle)

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>APPLICABLE AIR NOZZLES</th>
<th>MACH 1 COMPATIBLE FLUID NEEDLE</th>
<th>MACH 1 SL COMPATIBLE FLUID NEEDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>906 (.100&quot;) 2.7 mm</td>
<td>905P</td>
<td>54-3953</td>
<td>54-4396</td>
</tr>
<tr>
<td></td>
<td>909 (.112&quot;) 2.8 mm</td>
<td>905P</td>
<td>54-3953</td>
<td>54-4396</td>
</tr>
</tbody>
</table>

* 92P Low volume nozzle for general industrial and automotive fine finish
** 95AP High solids nozzle for hard to atomize coatings and higher flow rates
97AP Same as 95AP, but for wider fan if needed
*** 90P Low volume nozzle, 1 1/2 HP compressor or bigger – (6 CFM) required
• 95AP, 95AS, 97AP air nozzles do not require separate retainer ring
### HVLP Air Nozzles - CFM Ratings

#### HVLP Air Nozzles*

<table>
<thead>
<tr>
<th>NOZZLE</th>
<th>ATOMIZING</th>
<th>NOZZLE</th>
<th>AIR FLOW</th>
<th>INLET</th>
<th>PSI</th>
<th>SCFM</th>
<th>PSI</th>
<th>PSI</th>
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<tbody>
<tr>
<td>90P</td>
<td></td>
<td>90P</td>
<td></td>
<td></td>
<td>3</td>
<td>4.0</td>
<td>5</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>90P</td>
<td></td>
<td></td>
<td>5</td>
<td>4.5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>90P</td>
<td></td>
<td></td>
<td>7</td>
<td>5.0</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>90P</td>
<td></td>
<td></td>
<td>9</td>
<td>5.5</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>90P</td>
<td></td>
<td></td>
<td>10</td>
<td>6.0</td>
<td>15</td>
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</tbody>
</table>

#### MAG HVLP Automatic Spray Guns

### Gun Combinations Available as Standard

#### AA1500, AA4000, MAG AA Automatic Spray Tip Selection Charts

<table>
<thead>
<tr>
<th>PART #</th>
<th>SIZE</th>
<th>FAN WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>113-00702</td>
<td>.007</td>
<td>1” – 2”</td>
</tr>
<tr>
<td>113-00704</td>
<td>.007</td>
<td>2” – 4”</td>
</tr>
<tr>
<td>113-00706</td>
<td>.007</td>
<td>4” – 6”</td>
</tr>
<tr>
<td>113-00708</td>
<td>.007</td>
<td>6” – 8”</td>
</tr>
</tbody>
</table>

### Optional Needles

- **90SF**—Feathering (S.S.)
- **ABSS**—Standard (S.S.)

### Standard Needles

- **90PF**—Feathering (DELRIN)
- **AB**—Standard (DELRIN)

### Wallman MANIFOLD MANIFOLD SETUP SIZE NEEDLE TYPE

<table>
<thead>
<tr>
<th>MANIFOLD</th>
<th>MANIFOLD SETUP</th>
<th>SIZE</th>
<th>NEEDLE TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>113-02418</td>
<td>.024</td>
<td>16” – 18”</td>
<td>STEEL NEEDLE</td>
</tr>
<tr>
<td>113-02416</td>
<td>.024</td>
<td>14” – 16”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02414</td>
<td>.024</td>
<td>12” – 14”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02412</td>
<td>.024</td>
<td>10” – 12”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02410</td>
<td>.024</td>
<td>8” – 10”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02116</td>
<td>.021</td>
<td>14” – 16”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02112</td>
<td>.021</td>
<td>10” – 12”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-02110</td>
<td>.021</td>
<td>8” – 10”</td>
<td>STAINLESS S.S.</td>
</tr>
<tr>
<td>113-01918</td>
<td>.019</td>
<td>16” – 18”</td>
<td>STAINLESS S.S.</td>
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<td>113-01914</td>
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<td>14” – 16”</td>
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<td>113-01910</td>
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<td>10” – 12”</td>
<td>STAINLESS S.S.</td>
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<td>113-01906</td>
<td>.019</td>
<td>8” – 10”</td>
<td>STEEL NEEDLE</td>
</tr>
<tr>
<td>113-01808</td>
<td>.018</td>
<td>6” – 8”</td>
<td>STEEL NEEDLE</td>
</tr>
</tbody>
</table>

### Based on 1000 PSI with water. Actual results may vary, depending on material viscosity.

---

*Note: Regulator pressures are based on 25’ of 5/16” diameter hose in good condition without Quick-Disconnects or other restrictive fittings. Use the Air Nozzle Test Gauge accessory to confirm the atomizing regulator pressure relationship for your actual air supply set-up. These recommendations are for “typical” or “average” fluids and are intended to serve as a starting point. Adjust as necessary for your specific application.
### Air Pressure Recommendations
(Cub SL and MACH 1 Cub)

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>ATOMIZING PSI</th>
<th>GUN INLET PSI</th>
<th>REGULATOR PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Stains, Inks</td>
<td>3-4</td>
<td>20-26</td>
<td>27-33</td>
</tr>
<tr>
<td>Primers / Surfaces</td>
<td>4-5</td>
<td>26-30</td>
<td>33-38</td>
</tr>
<tr>
<td>Acrylic Enamels</td>
<td>6-7</td>
<td>35-40</td>
<td>44-47</td>
</tr>
<tr>
<td>Lacquers</td>
<td>7-8</td>
<td>40-42</td>
<td>47-55</td>
</tr>
<tr>
<td>Low VOC Clears, Basecoats and Urethanes</td>
<td>8-10</td>
<td>42-50</td>
<td>55-59</td>
</tr>
</tbody>
</table>

*For Cub SL spray guns using pressure or pressure-assist, use nozzle 20T for light/medium materials, and nozzle 30T for heavier materials. Use of larger nozzles or very light materials with a pressurized gun will result in excessive material flow and is not recommended.

### Fluid Nozzle Selection Chart for Cub SL and MACH 1 Cub

<table>
<thead>
<tr>
<th>TYPE OF FLUID TO BE SPRAYED</th>
<th>FLUID NOZZLE NO.</th>
<th>ATOMIZING PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>VERY LIGHT / 14 to 16 seconds in a Zahn 2 Cup e.g., wash primers, dies, inks, water.</td>
<td>20T (.020 in. [.4mm] dia. opening)</td>
<td>3-4</td>
</tr>
<tr>
<td>LIGHT / MEDIUM: less than 15 to 20 seconds in a Zahn 2 Cup e.g., stains, varnishes, thin lacquers, automotive refinishing materials</td>
<td>25T (.025 in. [.6mm] dia. opening)</td>
<td>4-5</td>
</tr>
<tr>
<td>MEDIUM: 20 to 30 seconds in a Zahn 2 Cup e.g., general industrial coatings</td>
<td>30T (.030 in. [0.8mm] dia. opening)</td>
<td>5-6</td>
</tr>
<tr>
<td>HEAVY: greater than 30 seconds in a Zahn 2 Cup e.g., low VOC coatings</td>
<td>40T (.040 in. [1.0mm] dia. opening)</td>
<td>6-8</td>
</tr>
<tr>
<td>MACH 1 Cub (overhead trigger) e.g., 55T (.055 in [1.4mm] dia. opening)</td>
<td>55T (.055 in [1.4mm] dia. opening)</td>
<td>7-8</td>
</tr>
</tbody>
</table>

All fluid nozzles use the 2S (siphon).

### Air Pressure and Flows

<table>
<thead>
<tr>
<th>GUN INLET PRESSURE (PSI)*</th>
<th>NOZZLE ATOMIZING AIR FLOW (SCFM)</th>
<th>NOZZLE ATOMIZING PRESSURE (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>6.0</td>
<td>3</td>
</tr>
<tr>
<td>30</td>
<td>7.5</td>
<td>5</td>
</tr>
<tr>
<td>45</td>
<td>10.0</td>
<td>9</td>
</tr>
<tr>
<td>50</td>
<td>11.0</td>
<td>10</td>
</tr>
</tbody>
</table>

*Gun inlet pressure is measured at the gun inlet fitting with the gun triggered.
1/8” to 10” spray pattern at 6”.
SG2 Cup Liners

Part Number 80-300 (not shown)
Stainless Steel Cup consists of a 1 Qt. Clamp Type Cup with Vent Valve, 85-435 Regulator, and Connector Tube. Part Sheet 77-2775

SG-2 Plus Steadi-Grip 2qt. Pressure Cup (80-601)

The Binks SG-2 Agitator Cup (80-601) includes a reciprocating air-driven magnetic agitator assembly and is ideal for non-metallic coatings that require constant agitation.

Part Sheet 77-2841

The Binks 80-601 SG-2 cup should NEVER be used with halogenated solvents.

SG-2 Plus Steadi-Grip Non-Agitated 2qt. Pressure Cup (80-600)

The Binks SG-2 Steadi-Grip pressure cup (80-600) is ideal for component spraying and industrial applications where small batch production spraying is required. Since the SG-2 cup is pressurized, the spray gun can be held at any angle without spitting or sputtering.

Part Sheet 77-2841

The Binks 80-600 SG-2 cup should be used with a Binks 80-356 plastic liner for halogenated solvents.

NEW – SG-2 Plus Steadi-Grip Rotary 2qt. Pressure Cup (80-651)

The “prop” style agitator provides constant agitation without the use of a magnet. This ensures that paints are mixed thoroughly and are not subject to particle separation. The newly redesigned 80-651 operates at 0-40 psig. Part Sheet 77-2842

The Binks 80-651 SG-2 cup should be used with a Binks 80-356 plastic liner for halogenated solvents.

Gun Cup Strainer, 50-mesh

Part Number 149-278
A final strainer for air atomized spray gun cups. The 50-mesh brass filter screen can be used with all enamels and lacquers. The strainer is easily pressed on and removed from the end of the siphon tube. Its resilient, expandable gasket prevents by-pass and holds firmly on all siphons having tube sizes up to 7/16 inches. Box of 12.

“Strain-It” Strainers

Part Number 81-82 (white cone) . . . 145 mesh/inch
Part Number 81-83 (blue cone) . . . 100 mesh/inch
Part Number 81-84 (red cone) . . . 80 mesh/inch

Fits all spray gun cups. Stainless steel screen lasts and lasts. A choice of three mesh sizes: Super Fine (145) removes lint and particles... even from thinner; Fine (100) for primers and more viscous materials; Medium (80) for heavy materials. Packaged 5 per carton.

80-300 Cup

Part Number 80-300 (not shown)
Stainless Steel Cup consists of a 1 Qt. Clamp Type Cup with Vent Valve, 85-435 Regulator, and Connector Tube. Part Sheet 77-2775

85-435 Regulator

Part Number 85-435 (not shown)
Air Regulator controls air pressure in the 80-511 one quart pressure cup and provides accurate control of fluid pressure for optimum spray pattern control. Prevents over-pressurizing the cup and is adaptable to all MACH 1 spray guns.

Inlet: .............................. 1/4” NPS(m)
Outlet: .............................. 1/4” NPS(f)
Part Sheet 77-2816

81-800 No Drip Cup

Part Number 80-356 includes 12 plastic liners for easy clean-up.

81-810 No Drip Cup (PTFE coated interior) For Siphon Guns
HVLP Accessories

■ Extensions

For Mach 1, Mach 1 SL and Mach 1A Spray Guns*
52-3706 .................................................. 6’
52-3712 .................................................. 12’
52-3718 .................................................. 18’
52-3724 .................................................. 24’

Note: Extensions may be joined together for added length. Specify new needle length. Extensions are sold less air cap and fluid nozzles. Specify spray gun model that will be used with the extension. Part Sheet 77-2557.

*Other lengths and styles are available—please call customer service for pricing. Gun extensions are special order and are not subject to return.

■ Air Nozzle Test Gauge

Part Number Description
54-3902 .............................. 91P & 92P Nozzles
54-3908 .............................. 900 Series
54-3935 .............................. 95 & 97 Series
54-4078 .............................. 95AS & 97AS Nozzles (Siphon)
54-4150 .............................. 2S Cub Guns
54-4345 .............................. 90P Nozzle
54-4356 .............................. 93P Nozzle
54-4066 .............................. 94P Nozzle

■ Check Valves

54-4322 .............................. 3-pack. Used with (98-1130) Short
54-4321 .............................. 3-pack. (98-1141) Long
85-271 .............................. Check Valve-Plug-Fitting Kit

■ 45 & 90 Deg. Angle Heads

For Mach 1, Mach 1 SL and Mach 1A Spray Guns*
52-3706 .................................................. 6”
52-3712 .................................................. 12”
52-3718 .................................................. 18”
52-3724 .................................................. 24”

Note: Extensions may be joined together for added length. Specify new needle length. Extensions are sold less air cap and fluid nozzles. Specify spray gun model that will be used with the extension. Part Sheet 77-2557.

*Other lengths and styles are available—please call customer service for pricing. Gun extensions are special order and are not subject to return.

■ Fluid Inlet

Part Number Description
54-3902 .............................. 91P & 92P Nozzles
54-3908 .............................. 900 Series
54-3935 .............................. 95 & 97 Series
54-4078 .............................. 95AS & 97AS Nozzles (Siphon)
54-4150 .............................. 2S Cub Guns
54-4345 .............................. 90P Nozzle
54-4356 .............................. 93P Nozzle
54-4066 .............................. 94P Nozzle

■ Needle Packing Kits

Part Number Description
Part Number 54-4261 .... Self Adjusting Packing
Part Number 54-4262 .... Self Adjusting Packing w/Needle
Part Number 54-4370 .... Cartridge Packing

■ Repair Kits

AA-1500 .............................. 54-4970
AA-4000 .............................. 54-4993
MACH 1. .............................. 54-3806
MACH 1A & 1AR .................. 54-3980
MACH 1SL .............................. 54-4278
MACH 3SL .............................. 54-3645
MACH 2A .............................. 54-4405
M1-G Gravity ......................... 54-4367
Cub SLG .............................. 54-4478
Cub SL .............................. 54-4479
MACH 1 Cub (overhead trigger) ...... 54-4139

■ Ratchetback (Auto-Gun)

Part Number 54-3982 (not shown)
Specially designed for applications where visual indication of fluid needle location is essential. Adjustments numbered 1-9 on the back of the spray gun conveniently indicate exact needle position. Part Sheet: 77-2672

■ Adjustments numbered 1-9 on the back of the spray gun conveniently indicate exact needle position. Part Sheet: 77-2672

Adjustable fluid inlet allows finger-tip control of coatings without fluid needle interference. Fits both hand and automatic guns.
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