

NEW
AA4000 WITH...
Adjustable Spray Pattern
and Enhanced Atomization

BINKS®
A54-68R-3 4/07



AA4000™ Air Assisted Airless Spray Gun with NEW AA-10HP Air Cap

***Adjustable Spray Pattern
and Enhanced Atomization***

Higher transfer efficiency for today's highest quality finishing.

AA4000™ Air Assisted Airless Spray Gun

ADJUSTABLE SPRAY PATTERN

ENHANCED ATOMIZATION

Refer to Service Bulletin:
77-2839

What's New From Binks...

Primary Use:

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.

Features:

- 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
- Simple design with only 20 replaceable parts
- Ergonomic design
 - light weight
 - light trigger pull tension
- Variety of fluid tip sizes

Advantages:

- Improved atomization of water and solvent based materials
- AA-10HP Air Cap and side port adaptable to older model AA-4000 spray guns*
- Low air consumption
- Reduced buildup of acid catalyzed coatings on air cap face and carbide tip
- Better coverage of hard-to-reach areas
- Better balance between atomizing and fan air
- No special tools needed for repairs
- Low replacement costs on main wear parts
- Reduced operator fatigue
- Easy cleanup
- Increased production rates
- A softer spray pattern
- Less bounceback
- Less overspray contaminating other parts
- Component cartridge design for quick and easy repairs
- Improves finish quality

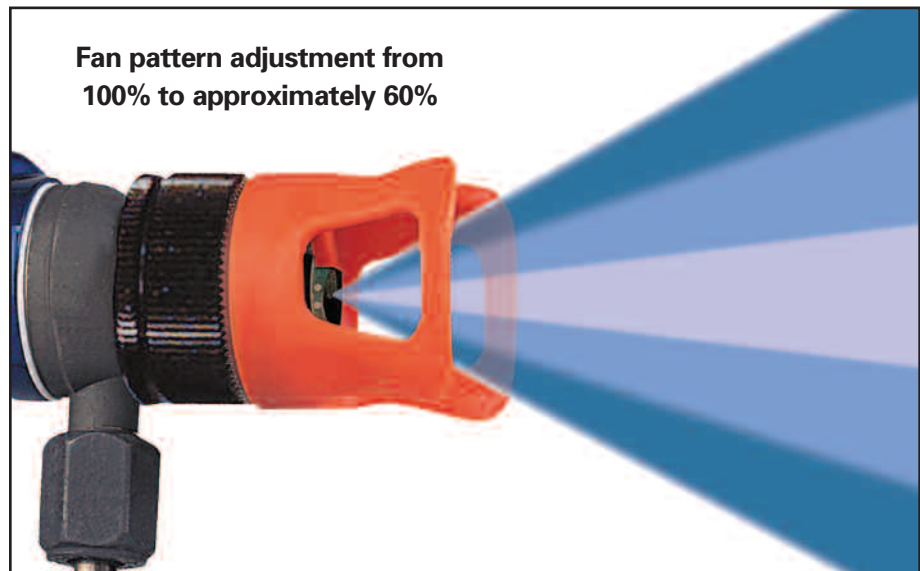
Benefits:

- Maximized production output
- Minimized maintenance and downtime
- Long-life parts
- Maximized operator comfort
- Coating savings



Binks AA-10HP Air Cap

5 psi – 60 psi gun inlet air pressure operating range for stains and medium viscosity coatings



*Using 54-5301 Conversion Kit

Binks AA4000 Air Assisted Spray Gun

Part Number: 4000-0000-10HP

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: Stainless Steel Ball

Seat: Standard Tungsten Carbide/
Optional UHMW

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

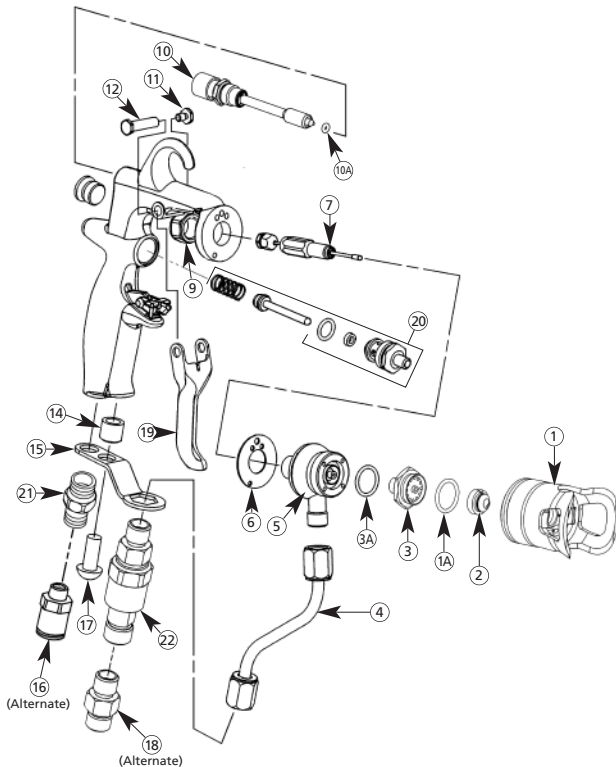
Part Sheet: 77-2839

■ Spray Tip Selection Charts

| PART # | SIZE | FAN WIDTH | PART # | SIZE | FAN WIDTH | PART # | SIZE | FAN WIDTH |
|-----------|------|-----------|-----------|------|-----------|-----------|------|-----------|
| 113-00702 | .007 | 1" - 2" | 114-01506 | .015 | 4" - 6" | 113-02110 | .021 | 8" - 10" |
| 113-00704 | .007 | 2" - 4" | 114-01508 | .015 | 6" - 8" | 113-02112 | .021 | 10" - 12" |
| 113-00706 | .007 | 4" - 6" | 114-01510 | .015 | 8" - 10" | 113-02114 | .021 | 12" - 14" |
| 113-00708 | .007 | 6" - 8" | 114-01512 | .015 | 10" - 12" | 113-02116 | .021 | 14" - 16" |
| 113-00902 | .009 | 1" - 2" | 114-01514 | .015 | 12" - 14" | 113-02118 | .021 | 16" - 18" |
| 113-00904 | .009 | 2" - 4" | 114-01516 | .015 | 14" - 16" | 113-02410 | .024 | 8" - 10" |
| 113-00906 | .009 | 4" - 6" | 114-01518 | .015 | 16" - 18" | 113-02412 | .024 | 10" - 12" |
| 113-00908 | .009 | 6" - 8" | 114-01706 | .017 | 4" - 6" | 113-02414 | .024 | 12" - 14" |
| 113-00910 | .009 | 8" - 10" | 114-01708 | .017 | 6" - 8" | 113-02416 | .024 | 14" - 16" |
| 113-00912 | .009 | 10" - 12" | 114-01710 | .017 | 8" - 10" | 113-02418 | .024 | 16" - 18" |
| 113-01104 | .011 | 2" - 4" | 114-01712 | .017 | 10" - 12" | 113-02710 | .027 | 8" - 10" |
| 113-01106 | .011 | 4" - 6" | 114-01714 | .017 | 12" - 14" | 113-02712 | .027 | 10" - 12" |
| 113-01108 | .011 | 6" - 8" | 114-01716 | .017 | 14" - 16" | 113-02714 | .027 | 12" - 14" |
| 113-01110 | .011 | 8" - 10" | 114-01718 | .017 | 16" - 18" | 113-02716 | .027 | 14" - 16" |
| 113-01112 | .011 | 10" - 12" | 113-01906 | .019 | 4" - 6" | 113-02718 | .027 | 16" - 18" |
| 113-01114 | .011 | 12" - 14" | 113-01908 | .019 | 6" - 8" | | | |
| 114-01304 | .013 | 2" - 4" | 113-01910 | .019 | 8" - 10" | | | |
| 114-01306 | .013 | 4" - 6" | 113-01912 | .019 | 10" - 12" | | | |
| 114-01308 | .013 | 6" - 8" | 113-01914 | .019 | 12" - 14" | | | |
| 114-01310 | .013 | 8" - 10" | 113-01916 | .019 | 14" - 16" | | | |
| 114-01312 | .013 | 10" - 12" | 113-01918 | .019 | 16" - 18" | | | |
| 114-01314 | .013 | 12" - 14" | | | | | | |
| 114-01316 | .013 | 14" - 16" | | | | | | |

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

AA4000™ Air Assisted Airless Spray Gun w/Adjustable Spray Pattern (AA-10HP Air Cap)



Parts List

When ordering, please specify Part No.

| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|----------|--------------|---|------|
| 1 | 54-5345 ▼ | AA10HP Air Cap/Nozzle | 1 |
| 1A | 20-6784 ◆ | Fluoroelastomer Seal (2-015) | 1 |
| 2 | 113-0XXXX | Carbide Tip Assembly (See Tip Selection Chart) | 1 |
| | or 114-0XXXX | | |
| 3 | 54-4960* ▼ | Fluid Seat (Tungsten Carbide Standard or UHMW Optional 54-4926) | 1 |
| 3A | 20-6037 ■ | O-Ring (Part of 54-4960) | 1 |
| 4 | 54-4906 | Fluid Tube Assembly | 1 |
| 5 | 54-4986 | Gun Head | 1 |
| 6 | 54-4923* | Front Head Gasket | 1 |
| 7 | 54-4963* | Needle Packing Cartridge (4,000 PSI maximum) | 1 |
| 9 | 54-4925 | Fluid Inlet Nut | 1 |
| 10 | 54-5328 | Side Port Control Assembly (AA10) | 1 |
| 10A | 20-6785 † | Fluoroelastomer Seal (2-004) | 1 |
| 11 | 54-4939 | Trigger Screw | 1 |
| 12 | 54-4938 | Trigger stud | 1 |
| 14 | 54-4947 | Fluid Tube Bracket Spacer | 1 |
| 15 | 54-4943 | Fluid Tube Bracket | 1 |
| 16 | 54-4975 ▲ | Push In Tube Fitting 1/8" NPT(m) x 3/8" O.D. | 1 |
| 17 | 20-6718 | Button head cap Screw | 1 |
| 18 | 54-4944 ● | Fluid Inlet Fitting | 1 |
| 19 | 54-4937 | Trigger | 1 |
| 20 | 54-4909* | Air Valve Assembly | 1 |
| 21 | 71-28 | D.M. Nipple 1/8" NPT(m) x 1/4" NPS(m) | 1 |
| 22 | 54-4725 | FILTER Assembly (100 Mesh) | 1 |

▼ Also available as part of AA10HP Conversion Kit 54-5301 (for converting AA4000 spray guns w/AA4 air caps to AA4000 spray guns with AA10HP air caps).

◆ Also available: 20-6784 (minimum order 2).

* Available as part of Repair Kit 54-4993.

■ Also available: 20-6037-K10 (Kit of 10 o-rings).

† Also available: 20-6785 (minimum order 2).

▲ Alternate push-in tube fitting (16) is included in gun package.

● Alternate fluid inlet fitting (18)—order separately.

Hoses

| PART # | DESCRIPTION |
|---------|---|
| 71-4990 | 15' Poly Air Tubing 3/8" O.D., 1/4" I.D. w/Fittings |
| 71-4991 | 25' Poly Air Tubing 3/8" O.D., 1/4" I.D. w/Fittings |
| 71-8087 | 15' 3/16" High Pressure Fluid Hose Assembly |
| 71-8088 | 25' 3/16" High Pressure Fluid Hose Assembly |

Fittings

| PART # | DESCRIPTION |
|---------|--|
| 54-4944 | 1/4" NPS(m) |
| 54-4975 | 1/8" NPT(m) x 3/8" O.D. Push-In Tube Fitting Alternate Fluid Inlet Fitting— <i>included in package.</i> |
| 71-28 | D.M. Nipple 1/8" NPT(m) x 1/4" NPS(m) |

Fluid Seat

| PART # | DESCRIPTION |
|---------|--------------------------------------|
| 54-4926 | Standard Tungsten Carbide Fluid Seat |
| 54-4960 | Optional UHMW Fluid Seat |

Fluid Filter

| PART # | DESCRIPTION |
|----------|--|
| 54-3655 | 100 Mesh (Element) Gun Mounted Filter, 5800 PSI working pressure |
| 54-4725 | 100 Mesh (Element) Gun Mounted Filter, 4000 PSI working pressure |
| 54-5010 | 100 Mesh (Screen) Gun Mounted Filter, 4000 PSI working pressure |
| 103-1241 | 100 Mesh Inline Filter, 4000 PSI working pressure |

Replacement Filter

| PART # | DESCRIPTION |
|-------------|--|
| 54-1835 | Replacement Filter for Fluid Filters 54-3655 and 54-4725 |
| 54-5012-K10 | Replacement Filter for Fluid Filter 54-5010 |

Fluid Regulator

| PART # | DESCRIPTION |
|--------|--|
| 845011 | Less gauge, 1000 to 3000 psi regulated range |
| 845013 | Less gauge, 2000 to 5000 psi regulated range |

AA-10HP Conversion Kit 54-5301

Kit for converting AA4000 guns with **AA-2** or **AA-4** air cap to AA4000 gun with AA-10HP air cap.

Repair & Cleaning Kits

| PART # | DESCRIPTION |
|---------|---|
| 54-4993 | Replacement Parts Kit: includes carbide fluid seat assembly, front head gasket, cartridge seal assembly, and air valve assembly |
| 54-4994 | Cleaning Kit: includes one standard stiff nylon pipe cleaning brush, full-size nylon brush, tip cleaner, and Binks Gunners Mate Lubricant |

HVLP Test Gauges

| PART # | DESCRIPTION |
|---------|--------------------------------|
| 54-4997 | HVLP Test Gauge AA-2 |
| 54-5022 | HVLP Test Gauge AA-4 |
| 54-5327 | HVLP Test Gauge AA-10HP |

AA-2 and AA-4 Air Caps

| PART # | DESCRIPTION |
|----------------|---------------------------|
| AA-2 - 54-4980 | Thin to Medium Materials |
| AA-4 - 54-4978 | Medium to Heavy Materials |

AA-10 Air Cap/Nozzle

| PART # | DESCRIPTION |
|-------------------|-------------------------|
| AA-10HP - 54-5345 | Thin to Heavy Materials |

How to Order the AA4000 Spray Gun

To order a AA4000 Spray Gun less tip, order part number 4000 - 0000 - 4 AA4000 Gun with AA-4 Air Cap
4000 - 0000 - 10HP AA4000 Gun with AA-10HP Air Cap
For spray tips, order by part number 113 - 0XXXX or 114-0XXXX

See spray tip selection chart for orifice size and fan size required

Airless Spray Tip – Fluid Flow Rate*

| ORIFICE SIZE (INCHES) | 500 PSI OZ./MIN. | 1000 PSI OZ./MIN. | 1500 PSI OZ./MIN. |
|---|------------------|-------------------|-------------------|
| VERY THIN – Wash Primers, Dyes, Stains, Solvents | | | |
| .009 | 5.1 | 7.1 | 8.2 |
| THIN – Sealers, Lacquers, Primers, Ink, Zinc Chromate | | | |
| .015 | 16.5 | 23.3 | 27.8 |
| MEDIUM – Lacquers, Synthetics, Enamels, Varnishes | | | |
| .021 | 32.8 | 45.8 | 56.8 |
| .024 | 39.7 | 56.1 | 68.7 |
| .027 | 50.4 | 71.2 | 87.2 |

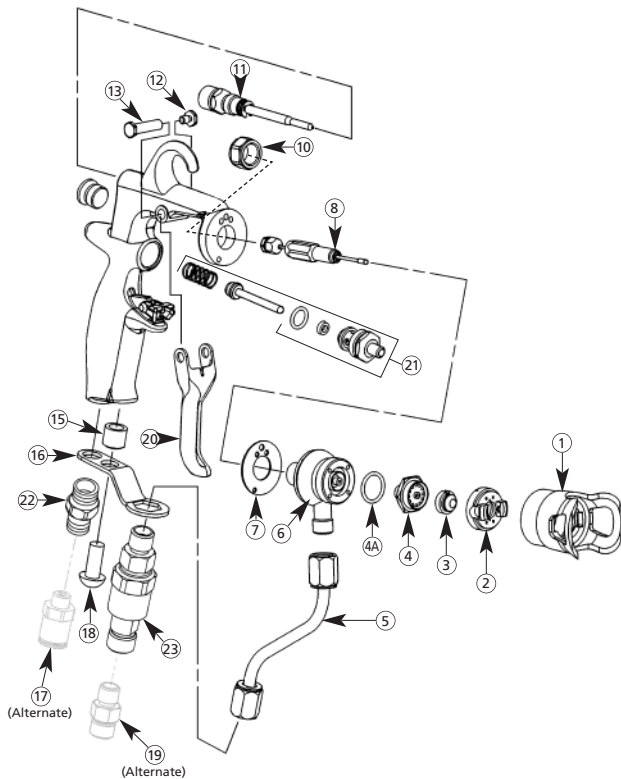
Flow rate of fluid materials through spray tip, oz./min.

** Listed fan widths based on 1000 psi with water.*

Actual results may vary, depending on material viscosity.

Refer to Service Bulletin: 77-2776

AA4000™ Air Assisted Airless Spray Gun with AA-2 or AA-4 Air Cap



Parts List (AA-2 or AA-4 only)

When ordering, please specify Part No.

| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|----------|------------------------|--|------|
| 1 | 54-4983 | Tip Guard Assembly | 1 |
| 2 | 54-4978 ♦ | AA4 Air Cap (Standard) | 1 |
| | 54-4980 | AA2 Air Cap (Optional) | 1 |
| 3 | 113-0XXXX or 114-0XXXX | Carbide Tip Assembly (See Tip Selection Chart) | 1 |
| 4 | 54-4960* | Fluid Seat (Tungsten Carbide Standard or UHMW Optional, 54-4926) | 1 |
| 4A | 20-6037 ■ | O-Ring | 1 |
| 5 | 54-4906 | Fluid Tube Assembly | 1 |
| 6 | 54-4986 | Gun Head | 1 |
| 7 | 54-4923* | Front Head Gasket | 1 |
| 8 | 54-4963* | Needle Packing Cartridge (4,000 PSI Maximum) | 1 |
| 10 | 54-4925 | Fluid Inlet Nut | 1 |
| 11 | 54-4977 | Fan Control Assembly | 1 |
| 12 | 54-4939 | Trigger Screw | 1 |
| 13 | 54-4938 | Trigger stud | 1 |
| 15 | 54-4947 | Fluid Tube Bracket Spacer | 1 |
| 16 | 54-4943 | Fluid Tube Bracket | 1 |
| 17 | 54-4975 ▲ | Push In Tube Fitting 1/8" NPT(m) x 3/8" O.D. | 1 |
| 18 | 20-6718 | Button head cap Screw | 1 |
| 19 | 54-4944 ● | Fluid Inlet Fitting | 1 |
| 20 | 54-4937 | Trigger | 1 |
| 21 | 54-4909* | Air Valve Assembly | 1 |
| 22 | 71-28 | D.M. Nipple 1/8" NPT(m) x 1/4" NPS(m) | 1 |
| 23 | 54-4725 | FILTER Assembly (100 Mesh) | 1 |

♦ Also available: 20-6750-K10 (Kit of 10 O-rings for AA-4 Air Cap).

* Available as part of Repair Kit 54-4993.

■ Also available: 20-6037-K10 (Kit of 10 O-rings).

▲ Alternate Push-In Tube Fitting (17) is included in gun package.

● Alternate Fluid Inlet Fitting (19)—order separately.



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