

BINKS®

A98-139R-4 4/07



Raptor™ Spray Finishing System

Everything you need to produce an outstanding finish
– quickly, easily, professionally

 **BINKS®**

Raptor™ Spray Finishing Systems

Wall Mounted, Cart Mounted- 18:1 Ratio Pump



The Raptor™ pump system is everything you need to produce an outstanding finish.

Mystified by matching the right Binks spray gun with the right pump and then having to choose from a wide range of accessories? Search no more.

Or maybe you just need to get down to business quickly with a production set up. Either way, here's just what you need: the Binks Raptor™ spray finishing system.

The Binks Raptor™ system meets a need for an economical finishing system providing high efficiency and speed with outstanding finish quality. And the Binks Raptor™ system can be configured for wall mount or cart mount applications.

Raptor™, a powerful pump that's built to last in harsh working environments

The Binks Raptor™ Series pump delivers powerful performance in harsh working environments.

Raptor's™ air motor has fewer parts for long-lasting performance

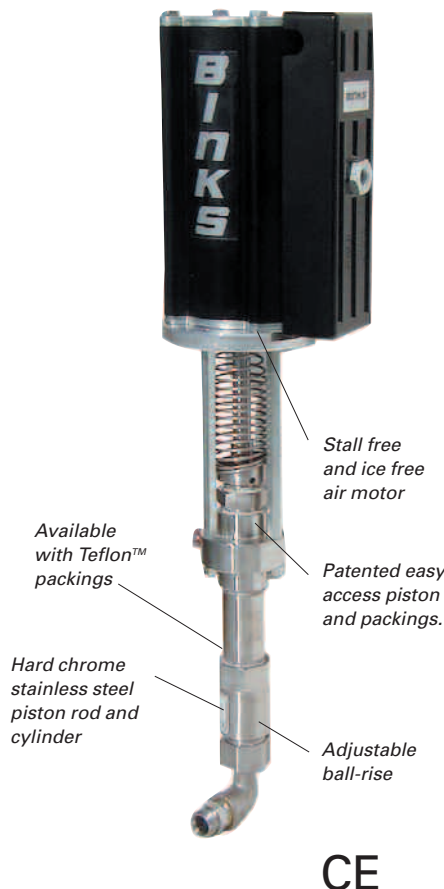
Raptor's™ patented stall-free and ice-free air motor does not use trip rods or push pins.

Raptor™ System Features

- 5-year pump warranty on all non-wear parts
- Raptor™ pump has a all stainless steel fluid section with hard chromed rod and cylinder
- Maximum fluid pressure – 1500 PSI (21.7 bar)
- Pump supplies .6 GPM @ 60 CPM to supply tip sizes .009" to .021"
- AA1500 air-assisted airless spray gun has Stainless steel fluid passages
- Drop forged aluminum gun body, stainless steel fluid passages, nozzle and needle
- Hydraulically-assisted fluid delivery combined with HVLP air atomization

Raptor™ System Benefits

- Achieves fine finish and high efficiency
- Lightweight and easy to handle; gives operators superior control while fighting fatigue
- Works with lacquers, enamels, stains, sealers, and top coats
- Can spray light to heavy viscosity materials
- Can spray Air-assist or Airless



Manufactured under an ISO 9001 Quality System .



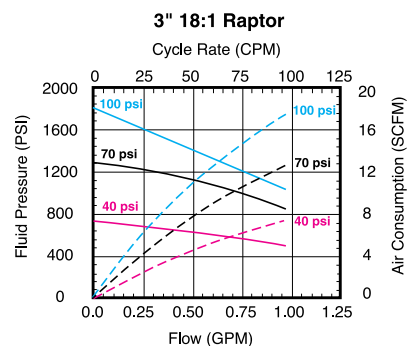
A superior finish with reduced overspray and VOC emissions.

Binks AA1500 Air Assisted Airless Spray Gun with AA-10 Air Cap and Adjustable Fan Pattern

The Binks AA1500™ Air Assisted Spray Gun with 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.

The ergonomic 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).

- Fan pattern adjustment from 100% to approximately 60%
- Better transfer efficiency
- A softer spray pattern
- Less bounceback
- Lower booth maintenance costs
- Less overspray contaminating other parts
- Longer life on wear parts
- Less rejects
- Operator comfort
- Material savings



■ Raptor™ System - Part Numbers

Wall mounted outfits - with AA1500 spray gun and hoses

These wall-mount outfits are a complete finishing system for stationary installations. The small profile fits easily in tight spaces.

5 gal. w/UHMWPE packings	98-3070*
5 gal. w/Teflon™ packings	98-3071*
55 gal. w/UHMWPE packings	98-3074*
55 gal. w/Teflon™ packings	98-3075*
<i>Shipping Weight 21.5 lbs. (9.8 kg.)</i>	

Wall mounted unit- no gun or hoses

5 gal. w/UHMWPE packings	812290
5 gal. w/Teflon™ packings	812291
55 gal. w/UHMWPE packings	812630
55 gal. w/Teflon™ packings	812631

Cart mounted outfit - with AA1500 spray gun and hoses

Cart-mount outfit is a complete finishing system for mobile flexibility. This outfit includes pump, air controls, cart, gun filter, spray gun with tip and all standard hoses.

UHMWPE packings	98-3072*
Teflon™ packings	98-3073*
<i>Shipping weight 35.5 lbs (16.1 kg).</i>	

Cart mounted unit - no gun or hoses with...

UHMWPE packings	812280
Teflon™ packings	812281

Raptor - Pump only with...

Teflon™ packings	812451
<i>Shipping Weight 12.6 lbs (5.7 kg)</i>	

■ Available Accessories

*3/16" Fluid Hose , 25', 1/4" NPS, 1900 PSI (28 bar)	71-4995
*25' Pneumatic Tubing Assem	71-4991
*Ground Wire Kit	873067
*100 mesh gun filter	54-4725
<i>*(Accessories Included with Outfits above.)</i>	

Fluid Regulator 300-2000 PSI (4.4 - 30 bar)	84-420
Pump Outlet Fluid Filter	103-1241
Air Motor Repair Kit	861030
Lower Pump Repair Kit with...	
UHMWPE	861110
Teflon™	861111
Siphon Kit - 55 Gallon	874580
Siphon Kit - 5 Gallon	874509
Wet-Sol Plus (1qt. Packing Lub.)	863009

■ Available Service Literature

System Assembly Sheet	77-5199
Package Part Sheet	81228X
Pump Part Sheet	81245X
Air Motor Part Sheet	842009
Fluid Section Part Sheet	87111X
AA-1500 Part Sheet	77-2838

AA1500™ Air Assisted Airless Spray Gun

ADJUSTABLE SPRAY PATTERN

ENHANCED ATOMIZATION

■ 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.

Every Raptor™ system includes 2 air regulators with gauges. One regulator (0-60 psi) controls the atomizing air to the Binks AA1500 spray gun. The second regulator (0-100 psi) controls the air supply to the pump and is pneumatically limited to 80 psi. This is done to ensure that appropriate fluid pressure is delivered to the AA1500 spray gun.

Outfit consumes approximately 15 CFM

Sturdy maneuverable cart

Raptor Pump CE

Two regulators with gauges

Self-Relieving Air inlet Valve 1/4" NPT(f)

5 Gallon Siphon kit; Part No. 874509

AA1500 Air Assist Airless Spray Gun (100 mesh gun filter is part of each outfit; Part No. 54-4725 Filter element 54-1835)

Standard fluid hose - (blue); Part No. 71-4995, 1900 PSI

Standard air tubing - (red) Part No. 71-4991



**Sales and Service
Through a Nationwide Network of Industrial Distributors**



North American Office

ITW Industrial Finishing
Binks
195 Internationale Blvd.
Glendale Heights, IL 60139
630-237-5000
Fax 630-237-5003
www.binks.com

Customer Service
1-800-992-4657
Technical Support
1-888-992-4657

