

**BINKS®**

A98-139R-1 3/04



**Raptor**

*Patented Design*

# 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.



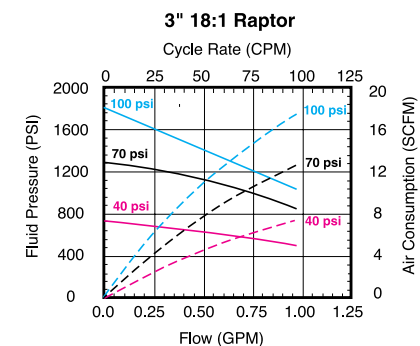
A superior finish with reduced overspray and VOC emissions.

### Binks AA1500 Air Assisted Airless Spray Gun

The unique tip and air cap design of the NEW Binks AA1500 Air Assisted Airless Spray Gun allows operators to use lower fluid and air pressure than the competition to achieve a superior finish. Superior ergonomics equals superior economics. The "ergo-logic" 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).

This means:

- 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...

UHMWPE packings	812450
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	874507
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	77-2767

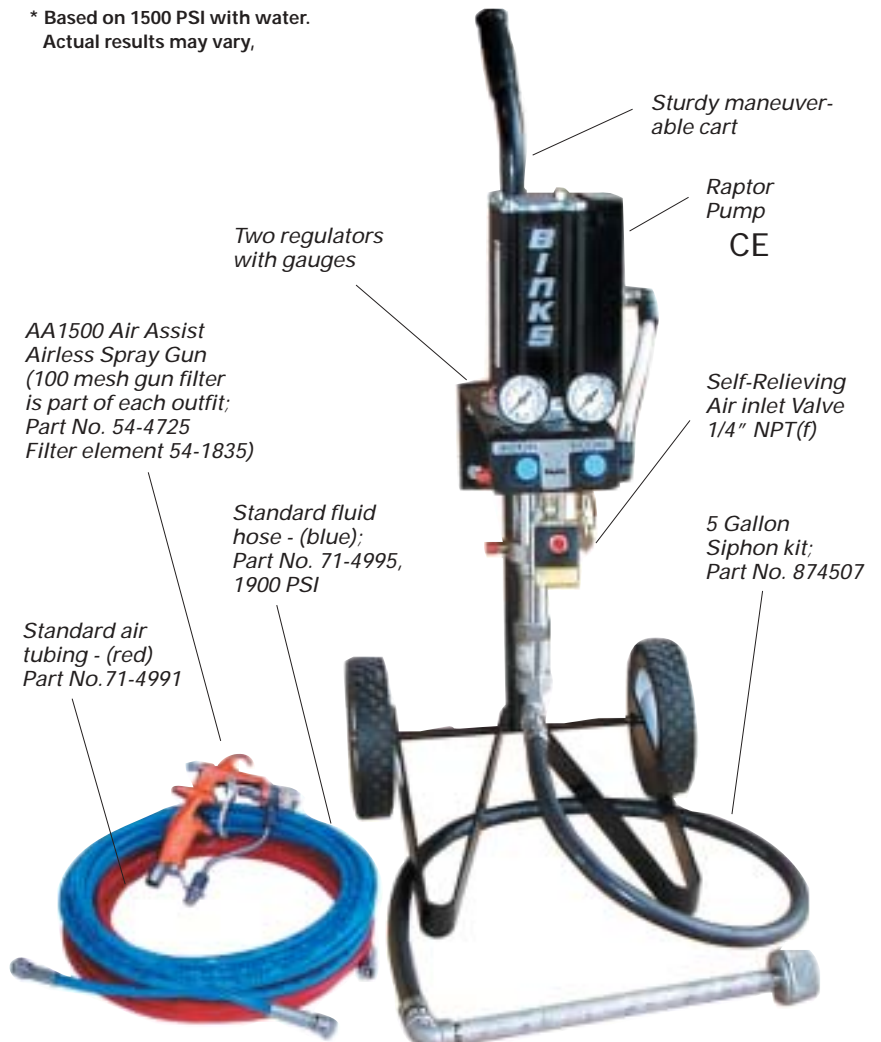
Part Numbers	Size	Fan Width *
113-00902	.009	1" - 2"
113-00904	.009	2" - 4"
113-00906	.009	4" - 6"
113-00908	.009	6" - 8"
113-00910	.009	8" - 10"
113-00912	.009	10" - 12"
113-01104	.011	2" - 4"
113-01206	.012	4" - 6"
113-01208	.012	6" - 8"
113-01210	.012	8" - 10"
113-01212	.012	10" - 12"
113-01214	.012	12" - 14"
113-01304	.013	2" - 4"
113-01506	.015	4" - 6"
113-01508	.015	6" - 8"
113-01510	.015	8" - 10"
113-01512	.015	10" - 12"
113-01514	.015	12" - 14"
113-01516	.015	14" - 16"
113-01518	.015	16" - 18"
113-01806	.018	4" - 6"
113-01808	.018	6" - 8"
113-01810	.018	8" - 10"
113-01812	.018	10" - 12"
113-01814	.018	12" - 14"
113-01816	.018	14" - 16"
113-01818	.018	16" - 18"
113-02110	.021	8" - 10"
113-02112	.021	10" - 12"
113-02114	.021	12" - 14"
113-02116	.021	14" - 16"
113-02118	.021	16" - 18"

\* Based on 1500 PSI with water.  
Actual results may vary.

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.



AA1500 Air Assisted Airless Spray gun  
Part No. 1500-1310-2





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