

# AG-363 AIR ASSISTED AIRLESS HVLP

## Automatic Manifold Spray Gun

**BINKS®**



The Binks AG-363 combines the best features of Air Assisted Airless atomisation and Binks engineering to provide a superior atomisation and finish quality coupled with the highest possible transfer efficiencies, resulting in significant paint savings while complying with the toughest EPA regulations.

The AG-363 is a highly advanced Air Assisted Airless automatic spray gun that can be rapidly detached from its low profile manifold block using a simple hexagon key, for fast and easy maintenance and serviceability. This unique feature from Binks dramatically reduces production downtime and increases profitability.

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#### **Unique single screw attachment to manifold**

allows quick and easy removal for maintenance and cleaning, reducing downtime

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#### **HVLP air cap technology**

produces excellent atomisation with superior transfer efficiency and finishes

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#### **Air cap has optional 15° indexing**

for fast and repeatable air cap and tip positioning

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#### **Manual adjust air controls**

for easy spray fan adjustment and width control

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#### **Stainless Steel gun head and fluid passageways**

for Water based and Solvent based coating compatibility

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#### **Tungsten Carbide needle and seat**

for long working life and enhanced abrasion resistance

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#### **Choice of paint recirculation**

through gun head or manifold

Binks AG-363 is ideally suited for multi-gun finishing machines where repeatable high quality gun performance and total application flexibility are vital to high production environments and efficient throughput.

#### **Typical Industrial Applications**

- Fixed gun installations
- Rotary finishing machines
- Reciprocators – vertical and horizontal
- Robot applicators

#### **Suitable for these materials**

- Solvent & Water based Materials including UV
- Stains, varnishes & lacquers
- Inks & dyes
- Sealers & Primers
- Most types of sprayable Coatings



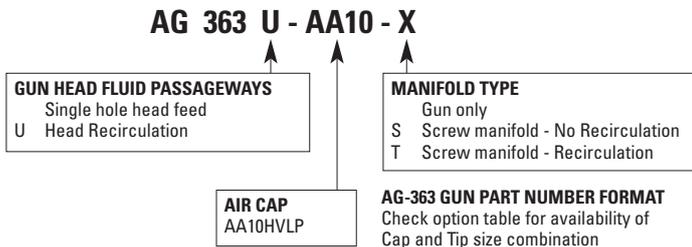
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To order AG-363 Standard Tips insert the numbers from the chart into this part number: 114-XXXXX

Tip Size	Fan Width (inch/mm) Maximum								
	2"/50mm	4"/100mm	6"/150mm	8"/200mm	10"/250mm	12"/300mm	14"/350mm	16"/400mm	18"/450mm
0.007/0.18		00704	00706	00708					
0.009/0.23	00902		00906	00908	00910	00912			
0.011/0.28		01104	01106	01108	01110	01112	01114		
0.013/0.33		01304	01306	01308	01310	01312	01314	01316	
0.015/0.38			01506	01508	01510	01512	01514	01516	01518
0.017/0.43			01706	01708	01710	01712	01714	01716	01718
0.019/0.48			01906	01908	01910	01912	01914	01916	01918
0.021/0.53					02110	02112	02114	02116	02118
0.024/0.61					02410	02412	02414	02416	02418
0.027/0.69					02710	02712	02714	02716	02718

Fine finish tips are also available for AG-363 (see service bulletin).



The SPA-185-K disc fluid filter can be mounted between the manifold and gun for final fluid filtering prior to the spray tip (not recommended for head recirculation guns)



Simple Air and Fluid hook-up and low profile air controls for easy use



In addition to the 114 series Premium Tip range there is the 9-series Fine Finish range



The unique Binks AA10 HVLP (54-5890-K) air cap atomises at lower air pressures to provide the highest transfer efficiency with optimum finish.

**Spray Gun Specifications**

Gun Dimensions & Weights	
AG363 Gun size (W x H x D)	111 x 44 x 44
AG363 Gun weight	525 g
Manifold Dimensions & Weights	
Screw manifold size (W x H x D)	59 x 63 (inc valves) x 20
Screw manifold weight	268 g
AG-360S Screw Manifold Connections	
CYL Air inlet connection	1/8" G Female
Fluid inlet connection	1/4" NPS Female
Fluid outlet connection	1/4" NPS Female
CAP Air inlet (ATOM + FAN)	1/4" G Female
Manifold body and passageways	Stainless Steel

Gun Specifications	
Max Air Input Pressure	10 bar/145 psi
Max Fluid Input Pressure	275 bar/4000 psi
Trigger Air Pressure	4 to 10 bar/60 to 145 psi
Max Ambient Operating Temperature	85°C/185°F
Gun Head and Fluid Passageways	Stainless Steel
Gun Body Material	Anodized Aluminium
Manifold Material	Stainless Steel
Air Cap Material	Anodized Aluminium
Fluid Needle and Seat Material	Stainless Steel, Tungsten Carbide
Seals and O rings	HDPE, FEPM

For further technical information refer to the Binks AG-363 Service Bulletins

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