

MAG HVLP Automatic Airspray Gun



A54-72R1 8/10

*High transfer
efficiency in a
manifold mounted
HVLP compliant
spray gun*



PATENTED

Time and Material Savings Benefits

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, patented, in-line filter design are located in the manifold, providing quick and easy removal of the gun for periodic maintenance.

In addition to the highly transfer efficient Binks HVLP spray technology, the Binks MAG HVLP Automatic Gun features time and material saving advantages including:

- Modular design for quick and easy replacement
- Cross platform design characteristics with high pressure AA model
- Easily mounts to other gun base configurations
- Superior transfer efficiency
- Reduced overspray
- Lower booth maintenance costs
- Reduced bounceback
- Longer wear part service life

Typical applications include wood finishing, leather tanning, metal furniture and fixture manufacturing, fabricated metal manufacturing, and recreational products.

Specifications

Maximum Air Pressure:
100 psi/6.8 bar

Maximum Fluid Pressure:
120 psi/8.3 bar

Minimum/Maximum Cylinder
Actuating Pressure: 50 psi/3.4 bar
(min.), 100 psi/6.8 bar (max.)

Gun Body: Stainless Steel, Aluminum

Fluid Path: Stainless Steel

Fluid Inlet and Outlet Size:
1/4" NPT (F) thread

Air Inlet Size:

Atomizing Air: 1/4" NPT(F) manifold
body, 1/4" NPT x 1/4" NPS(M) fitting

Fan Air: 1/4" NPT(F) manifold body,
1/4" soc head plus (M) fitting

Cylinder Air: 1/8" NPT(F) manifold
body, 1/8" NPT x 1/4" O.D. tube fitting

Gun Weight with Manifold:
2.8 lbs. (1.27 kg)

Gun Mounting Hole: 1/2" dia.

MAG HVLPAutomatic Spray Gun

GUN COMBINATIONS AVAILABLE AS STANDARD

Cleaning Kit/Repair Kit*

PART #	DESCRIPTION
54-4994	Cleaning Kit: includes one standard stiff nylon pipe cleaning brush, full-size nylon brush, tip cleaner, and Binks Gunners Mate Lubricant
54-5307*	See Exploded view for details

Accessories

PART #	DESCRIPTION
54-1835	100 Mesh Filter
54-1836	60 Mesh Filter
54-5340	Filter Retainer Assembly
54-5305	Optional Mount "K" Kit: includes adapter plate, (2) 1/2" JIC x 1/4" NPT elbow fluid fittings
54-380	Gun Mounting Bracket
54-3691	Gun Covers (Package of 20)
54-5303	Standard Performance Seal Kit
54-5307	High Performance Seal Kit
54-5308	Dual Port Conversion Kit
54-5399	Single Bolt CEFLA Adapter Kit
83-2484	Fluid Nipple (Stainless) 1/4 NPT x 3/8 NPS

Air Nozzle Test Gauge Assemblies

PART #	DESCRIPTION
54-3902	92P Nozzle
54-3935	95 Nozzle
54-4066	94P Nozzle
54-4345	90P Nozzle
54-4356	93P Nozzle



Fluid Nozzles

MATERIAL	FLUID NOZZLE	ORIFICE DIA. (INCHES)
ULTRA LIGHT – Reduced Flow	89	.020
	89A	.025
VERY LIGHT – Reduced Flow	90	.030
LIGHT – Less than 15 to 20 seconds in a ZAHN 2 Cup. (e.g. stains, varnishes, thin lacquers, automotive refinishing materials)	91	.040
	92	.046
	94	.055
	97	.070

DESIGNATION NUMBER WITH MANIFOLD	FLUID NOZZLE	ORIFICE SIZE	PLASTIC NEEDLE	NEEDLE TYPE
4006-1100-0	91	0.040	AB	Standard
4006-1200-0	94	0.055	AB	Standard
4006-1300-0	97	0.070	AB	Standard
4006-1400-0	90	0.030	90PF	Feathering
4006-1500-0	89	0.020	90PF	Feathering
4006-1600-0	92	0.045	AB	Standard
4006-4900-0	89A	0.025	90PF	Feathering

DESIGNATION NUMBER WITHOUT MANIFOLD	FLUID NOZZLE	ORIFICE SIZE	PLASTIC NEEDLE	NEEDLE TYPE
4007-0000-0	-	-	-	-

DESIGNATION NUMBER WITH MANIFOLD	FLUID NOZZLE	ORIFICE SIZE	STAINLESS STEEL NEEDLE	NEEDLE TYPE
4008-1100-0	91	0.040	ABSS	Standard
4008-1200-0	94	0.055	ABSS	Standard
4008-1300-0	97	0.070	ABSS	Standard
4008-1400-0	90	0.030	90SF	Feathering
4008-1500-0	89	0.020	90SF	Feathering
4008-1600-0	92	0.045	ABSS	Standard
4008-4900-0	89A	0.025	90SF	Feathering

Air Nozzle Selection Charts

Gun Inlet PSI	Nozzle Air Flow SCFM	Nozzle Atomizing PSI	Gun Inlet PSI	Nozzle Air Flow SCFM	Nozzle Atomizing PSI	Gun Inlet PSI	Nozzle Air Flow SCFM	Nozzle Atomizing PSI	Gun Inlet PSI	Nozzle Air Flow SCFM	Nozzle Atomizing PSI	Gun Inlet PSI	Nozzle Air Flow SCFM	Nozzle Atomizing PSI
90P HVLPAir Nozzle			92P HVLPAir Nozzle			93P HVLPAir Nozzle			94P HVLPAir Nozzle			95P HVLPAir Nozzle		
5.0	4.0	3.0	6.0	4.5	3.0	8.0	5.5	3.0	14.0	7.0	3.0	20.0	11.0	3.0
7.0	4.5	5.0	8.5	6.0	5.0	11.5	7.0	5.0	21.0	9.0	5.0	30.0	15.7	5.0
10.0	5.0	7.0	11.0	6.8	7.0	14.5	8.0	7.0	27.0	11.0	7.0	38.0	17.5	7.0
12.0	5.5	9.0	13.5	7.5	9.0	17.0	9.5	9.0	30.0	12.0	9.0	45.0	19.6	9.0
15.0	6.0	10.0	15.0	8.0	10.0	18.0	10.0	10.0	33.0	13.0	10.0	50.0	22.5	10.0

Parts List When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	54-3731	Material Valve Control Screw	...1	30	20-5921▲	O-Ring (2-017) Teflon	.....2
2	54-3732	Control Screw Locknut	.....1	31	54-3720▲	Side Port Control Assembly	.....1
3	54-5356	End Cap (HVLPAutomatic)	.....1	32	54-5358	Air/Fluid Inlet Junction Assy	.....1
4	54-5357	Needle Return Spring	.....1	33	54-4945	Tube Connector (1/8 NPT(M) x 1/4 Tubing)	.....①
5	20-6783●	O-Ring (029) White	.....1	34	20-6131	1/4 NPT Plug HEX Skt Hd S.S.	...②
6	54-5331●	Piston Impact Ring	.....1	35	57-13♦	1/4 NPS x 1/4 NPT DM Nipple	...②
7	54-5332	Piston Return Spring	.....1	36	20-1359-1	Screw Sq Hd 5/16-18 x 5/8	.....①
8	—	Needle Assembly	.....1	37	20-6748	Screw 10-32 x 1/4 Flathead	.....①
9	54-3603	Needle Cap	.....1	—	—	Allen Hd Pltd	.....①
10	54-3604	Needle Locknut	.....1	38	102-2839	Side Port Plug	.....①
11	54-5355	Piston Assembly	.....1	39	54-1835	100 Mesh Filter Assembly	.....*1
12	54-5318	Atomizing Air Valve	.....2	40	54-5340	Filter Retaining Assembly	.....*1
13	20-6785★	O-Ring (2-004) White	.....2	41	20-6782‡	Allen Socket Head.2+②	.....1
14	20-6786★	O-Ring (2-003) White	.....2	—	—	8-32 x 1-3/4 Lg	.....①
15	54-5320	Piston Body	.....1	—	20-3586	Allen Wrench	.....①
16	20-6783★	O-Ring (2-029) White	.....1	—	20-6751	3/8 Socket (Deep Well)	.....①
17	20-6784★	O-Ring (2-015) White	.....1	—	6-428	Gun Lube 2 oz. (Not Shown)	.....*1
18	54-5350	Low Pressure Fluid Cartridge Assembly	.....1				
19	54-3531	Retaining Ring	.....1				
20	—	Air Nozzle	.....1				
21	—	Fluid Nozzle	.....1				
22	54-5333‡	Retaining Ring Screw	.....4				
23	54-5353	MAG HVLPA Fluid Manifold Assembly	.....1				
24	20-4615-5	O-Ring (2-008) Teflon (5 Pack)	...5				
25	54-5324	Automatic Piston Housing	.....1				
26	20-3467●	O-Ring (2-010) Teflon	.....2				
27	54-5326	Fluid Manifold Port Plug	.....2				
28	54-3918	Gun Wrench (not shown)	.....*1				
29	54-5359▲	Low Pressure Plug	.....1				

- Available as part of Soft Seal Kit 54-5307.
- ★ May be purchased separately.
- ‡ Available as part of Kit 54-5333-K6.
- ▲ Items shipped loose.
- * Optional accessory.
- ①② Items shipped loose.
- ♦ Available as Dual Port Conversion Kit 54-5308.

