BINKS[®] • **DEVILBISS** Spray Finishing Equipment Selection Guide A98-142R



Spray Equipment for Every Purpose Industrial Selection Guide

DEVILBISS BINKS

Choosing a Spray Outfit is as easy as 123!

Getting Paint to the Spray Gun – Cup, Tank or Pump? What size jobs are you doing, and how much paint will you be using in one day?

Use the chart below:

Paint Usage Per Day	Thin Materials	Medium Materials	Heavy Materials
	16 – 20 sec. Zahn 2	19 – 30 sec. Zahn 2	Over 30 sec. No. 4 Ford
Less Than 1 Gallon	1 Qt. Siphon Cup or	1 Qt. Siphon Cup or	1 Qt. Pressure Cup or 2 Qt. Pressure Cup
1 to 3 Gallons	1 Qt. Siphon Cup or 2 Qt. Pressure Cup or 2.8 Gallon Tank or 9.8 Gallon Tank	1 Qt. Siphon Cup or 2 Qt. Pressure Cup or 2.8 Gallon Tank or 9.8 Gallon Tank	2 Liter Pressure Cup or 2.8 Gallon Tank or 9.8 Gallon Tank
3 to 5 Gallons	2 Ot. Pressure Cup or	2 Qt. Pressure Cup or	2 Qt. Pressure Cup or
	2.8 Gallon Tank or	2.8 Gallon Tank or	2.8 Gallon Tank or
	9.8 Gallon Tank or	9.8 Gallon Tank or	9.8 Gallon Tank
5 to 10 Gallons	2.8 Gallon Tank or	2.8 Gallon Tank or	2.8 Gallon Tank or
	9.8 Gallon Tank or	9.8 Gallon Tank or	9.8 Gallon Tank
	Diaphragm Pump	Diaphragm Pump	Diaphragm Pump
Over 10 Gallons	11.8, 19.8, 30 & 60	11.8, 19.8, 30 & 60	11.8, 19.8, 30 & 60
	Gallon Tanks or	Gallon Tanks or	Gallon Tanks or
	Diaphragm Pump	Diaphragm Pump	Diaphragm Pump

Refer to catalogs A54-19 (CUPS) A83-11 (TANKS) and INFG-1 (GEMINI PUMPS) for more information

Choose Your Spray Gun Determine what type of material you will be spraying. Do you want to spray with conventional spray equipment, HVLP (High Volume, Low Pressure) spray equipment or air assisted airless spray equipment. Note, some areas of the country require the use of HVLP spray guns in finishing operations.

Use the color coded chart on page 3 to choose the right spray gun.



Siphon or Pressure Feed







Choose Your Air and Fluid Hose Assemblies

Air Hose Asse	mblies (w/ 1/4" Fittings)	Fluid Hose As	semblies (w/ 3/8" Fittings)
71-1201	5/16" I.D. x 5'	71-3380	1/4" I.D. x 5'
71-1205	5/16" I.D. x 25'	71-3303	3/8" I.D. x 25'
71-1356	3/8" I.D. x 50'	71-3304	3/8" I.D. x 50'
6-438 25' Air a	and Fluid Hose Set – consist	s of (1) 71-1205 as	sembly and (1) 71-3303 assembly
KB-4006 6' Air and Fluid Hose Set – 6' (5/16" I.D.) Air and 6' (1/4" I.D.) Fluid set			

Refer to catalog A71-9 for more information







	Siphon Feed	Pressure Feed
Wood		
Finishing	2.0 mm x 2000 EXL	92P x 94P Mach 1
i inisining	EAL	Mach 1SL
Staine acalera las ruero		EXL-520P-11
Stains, sealers, lacquers	CONVENTIONA	L SPRAY GUNS
urethanes, varnishes,	66SS x 66SD	63BSS x 63PB
shellacs, enamels	2001 Gun	2001 Gun
	95 Gun	95 Gun
	HVLP SPF	AY GUNS
Architectural	2.0 mm x 2000	94 x 94P
Finishing	EXL	Mach 1
		Mach 1SL
(Medium Viscosity)		EXL-520P-14 L spray guns
Primers, enamels, latex	66SS x 66SD	63BSS x 63PB
	2001 Gun	2001 Gun
	95 Gun	95 Gun
Architectural	HVLP SPF	ау <u>с</u> им s 97 x 94P
Finishing	Not	Mach 1
i insining	Recommended	Mach 1SL
		EXL-520P-18
(Heavy Viscosity)	CONVENTIONA	67SS x 67PB
Primers, enamels, latex, fillers, sealers	Not	2001 Gun
illers, sediers	Recommended	95 Gun
Industrial	HVLP SPF 2.0 mm x 2000	<u>ay guns</u> 94 x 94P
	2.0 mm x 2000 FXI	94 x 94P Mach 1
Maintenance	EAL	Mach 1SL
		EXL-520P-14
(Medium Viscosity)	CONVENTIONA	
Primers, enamels, latex,	66SS x 66SD	63BSS x 63PB
epoxies, acrylics	2001 Gun	2001 Gun
	95 Gun	95 Gun
	HVLP SPF	AY GUNS
Industrial	HVLP SPF	94 x 94P
Maintenance	Not	Mach 1
	Recommended	Mach 1SL
(Heavy Viscosity)		EXL-520P-14
Primers, enamels, latex,	CONVENTIONA	L SPRAY GUNS
epoxies, acrylics	Not	67SS x 67PB
	Recommended	2001 Gun
		95 Gun
Multi-Color	HVLP SPF	
	Not	94 x 90P
Products	Recommended	Mach 1
	CONVENTIONA	L SPRAY GUNS 66SS x 200
	Not	66SS x 200
	Recommended	95 Gun
		2001 Gun
	HVLP SPF	
Adhesives		94S x 95AS
	Not	Mach 1
	Recommended	Mach 1SL
Solvent and Waterborne	CONVENTIONA	EXL-520P-14
	(solvent)	66SS x 66SD-3
	(waterborne)	63BSS x 63PB
	Not	95 Gun
	Recommended	2001 Gun SS
	HVLP SPF	
Metal	2.0 mm x 2000	94 x 94P
Finishing	EXL	Mach 1
		Mach 1SL
(Light to Medium Viscosity)	CONVENTIONA	EXL-520P-14 L SPRAY GUNS
Primers, enamels,	66SS x 66SD	63BSS x 63PB
polyurethanes, metal	2001 Gun	2001 Gun
lacquers	95 Gun	95 Gun
	35 Guil	35 Guil

AT500 A	Air Assisi Solooti	ted Airles
Spray II	p Selecti	on Charts
PART #	SIZE	FAN WIDTH♦
113-00902	.009	1"-2"
113-00904	.009	2" - 4" 4" - 6"
113-00906	.009	4"-6"
113-00908	.009	6"-8"
113-00910	.009	8" — 10" 10" — 12"
113-00912	.009	10" - 12"
113-01104	.011	2" – 4"
113-01106	.011	4" — b"
113-01108	.011	6" - 8"
113-01110	.011	8" - 10"
113-01112	.011	$10^{-} - 12^{-}$
113-01114	.011	12" - 14"
113-01304	.013	2" - 4" 4" - 6"
113-01306	.013	4"-6"
113-01308	.013	6" - 8"
113-01310	.013	8" — 10" 10" — 12"
113-01312	.013	10" - 12"
113-01314	.013	12"-14"
113-01506	.015	4"-6"
113-01508	.015	6" – 8"
113-01510	.015	8" — 10" 10" — 12"
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"
113-01912	.019	10" - 12"
113-02110	.021	8" – 10"
113-02112	.021	8" — 10" 10" — 12"
113-02114	.021	12" – 14"
113-02116	.021	14" — 16" 16" — 18"
113-02118	.021	16" - 18"
113-02410	.024	8" – 10" 10" – 12"
113-02412	.024	10"-12"
113-02414	.024	12" - 14"
113-02416	.024	14" - 16"
113-02418	.024	16" - 18"
113-02710	.027	8" - 10"
113-02712	.027	10" - 12"
113-02714	.027	12" - 14"
113-02716	.027	14"-16"
113-02718	.027	16" — 18"

 Based on 1500 PSI with water. Actual results may vary, depending on material viscosity.

Note: When spraying waterborne or corrosive materials with a "Conventional" spray gun for siphon or pressure feed, use the model 95 spray gun with stainless steel fluid passages. Refer to catalogs A54-19 and HVLP for more details on spray gun models and set ups.





Pressure Tank Outfits

Binks Model 98Z-358 (Waterborne Materials)

For heavy bodied materials such as latex, vinyls, epoxies, etc.

Outfit includes: 83Z-220 Pressure tank, 2001 spray gun (68SS x 68PB set up), 25 feet air and fluid hose assemblies, 15 feet of air compressor hose.



Binks Model 98C-357 (Solvent Based Materials)

For light to medium viscosity materials such as lacquers, enamels, stains, etc.

Outfit includes: 83C-220 Pressure tank, 2001 spray gun (63BSS x 63PB set up), 25 feet air and fluid hose assemblies, 15 feet of air compressor hose.

Binks Model 98C-359

Multi-Color Outfit includes: 83C-220 Pressure tank, 2001 spray gun (66SS x 200 set up), 25 feet air and fluid hose assemblies.

Binks Model 98C-359 Tank Outfit

Tanks



PT ASME Code Tanks

Zinc Plated Lid and Shell for use with solvent based coatings. *2.8 gallon capacity.*

83C-210	1 Regulator, No Agitator
83C-220	2 Regulator, No Agitator
83C-211*	1 Regulator, Air Agitator
83C-221	2 Regulator, Air Agitator
Shown above	



PT Waterborne ASME Code Tanks

Stainless Steel Lid and Zinc Plated Shell for use with waterborne coatings. *2.8 gallon capacity.*

83Z-210	1 Regulator, No Agitator
83Z-220	2 Regulator, No Agitator
83Z-211°	1 Regulator, Air Agitator
83Z-221	2 Regulator, Air Agitator
Shown above	



ASME* Galvanized Tanks (9.8 Gallons)

Used with non-corrosive materials. Top outlet with bottom outlet plug, for use with heavy materials such as emulsified asphalts, rubber compounds, etc.

83G-510	1 Regulator, No Agitator
83G-520 °	2 Regulator, No Agitator
83G-513	1 Regulator, Air Agitator
83G-523	2 Regulator, Air Agitator

*Other tanks available, up to 60 gal. capacity. Please refer to catalog A83-11 for more information.

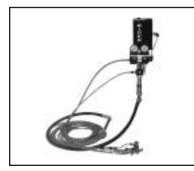
Shown above







■Raptor[™] Spray Finishing Systems



Raptor 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 pkgs.	98-3070	
5 gal. w/ PTFE pkgs.	98-3071	
55 gal. w/UHMWPE pkgs.	98-3074	
55 gal. w/ PTFE pkgs.	98-3075	
Shipping weight 21.5 lbs. (9.8 kg)		

Wall Mounted Unit (No gun or hoses)

5 gal. w/UHMWPE pkgs.	98-3070
5 gal. w/ PTFE pkgs.	98-3071
55 gal. w/UHMWPE pkgs.	98-3074
55 gal. w/ PTFE pkgs.	98-3075



Raptor 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	
PTFE packings	98-3073	
Shipping weight 35.5 lbs. (16.1 kg)		

Cart Mounted Unit (No gun or hoses)

-	-
UHMWPE packings	812280
PTFE packings	812281



Raptor Pump Only

UHMWPE packings		812450
PTFE packings		812451
Shipping weight 12.6 lbs. (5.7 kg)		



The Raptor 18:1 Ratio Pump System offers everything you need to produce an outstanding finish

Gemini[®] Diaphragm Pump Packages—1/2", Low Pulse, 100 PSI



818210 Wall Mount Gemini Pump Package Optional Fluid Regulator & Agitator



818160 Pail Mount Gemini Pump Package Optional Agitator



818220 Drum Mount Gemini Pump Package Optional Fluid Regulator

For wood and office furniture, commercial equipment, metal fabrication, metal maintenance and cabinet shops

PACKAGE NUMBER	BARE PUMP NUMBER	WETTED PARTS	RATIO & SIZE	GPM @ 60 CPM	MOUNTING	AIR REGLTRS.	SUCTION HOSE W/BUNG ADAPT.	AGITATOR	PRIME VALVE	PULSE/ Filter	FLUID REG.
818160	818831	acetal, PTFE	1:1, 1/2" NPT	1.2	pail	2	pail	0	0	0	1
818210	818831	acetal, PTFE	1:1, 1/2" NPT	1.2	wall	2	55 gallon	0	1	1	0
818220	818831	acetal, PTFE	1:1, 1/2" NPT	1.2	55 drum cover	2	55 gallon	843001	1	1	0







Siphon Feed Cups





81-800 1 Qt. Drip Free Cup

81-810 **PTFE** Coated 1 Qt. Cup

Quick Disconnects



72 Series Quick Disconnect (Body & Stem Assembly)

81-820

Steel Cup

1 Qt. Stainless

Low Pressure Fluid Quick Disconnects*

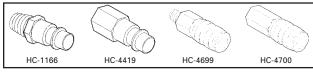
PART NO.	DESCRIPTION	THREAD
72-885	Body Assembly Only	3/8" NPS (m)
72-887	Stem Assembly Only	3/8" NPS (f)
72-888	Body & Stem Assembly	3/8" NPS (m) x 3/8" NPS (f)



72-445 (left) (Stem Only) 72-2063 (right) (Body Only)

Low Pressure Air Quick Disconnects*

PART NO.	DESCRIPTION	THREAD
72-445	Stem Assembly Only	1/4" NPS (f)
72-467	Stem Assembly Only	1/4" NPT (m)
72-2063	Body Assembly Only	1/4" NPS (m)
72-2073	Body Assembly Only	1/4" NPT (f)



High Flow Air Quick Disconnects*

•		
PART NO.	DESCRIPTION	THREAD
HC-1166	Hi-Flow QD Stem	1/4" NPT (m)
HC-4419	Hi-Flow QD Stem	1/4" NPT (f)
HC-4699	Hi-Flow QD Body	1/4" NPT (m)
HC-4700	Hi-Flow QD Body	1/4" NPT (f)
HC-4/00	HI-Flow UD Body	1/4" NPT (†)

*Ideal for HVLP applications.

For other models, consult Tech Support.

Spray Booth Filters



Binks AF Filter[™]29-2186-3

Improved performance and lower operating costs. For spray booths. See catalog A29-21

Booth Accessories Other booth filters and accessories are available. See catalog A29-21



80-294 1 Qt. Cup with Regulator/Gauge 80-295 (not shown) 2 Qt. Steadi-Grip Cup













80-511 1 Qt. Stainless Steel Cup with Regulator/Gauge



2 Qt. Remote SG-2 80-451 (not shown) 2 Qt. Remote SG-2 with Rotary Atomizer (Liners: 80-356)

80-356 Cup Liners

SG-2 Two Qt. Cup Liners provides for quick clean-up. (package of 12)

Tank Liners

PT-78-K10	2.8 Gallon Tank Liners (10 Pk)
PT-78-K60	2.8 Gallon Tank Liners (60 Pk)
PTL-408-K20	9.8 Gallon Tank Liners (20 Pk)

Strain-It Cup Strainers

	-
81-82	White, Fine – 145 mesh (5 Pk)
81-83	Blue, Medium – 100 mesh (5 Pk)
81-84	Red, Coarse – 80 mesh (5 Pk)



Binks Prospector Pressure Tank Strainer

Strainers are an economical way to remove foreign material from paint, stain, lacquer and coatings.

PTS-2Gal-K20-200	200 micron (approx. 65 wire mesh)	20 per case
PTS-2Gal-K20-400	400 micron (approx. 37 wire mesh)	20 per case
PTS-2Gal-K20-600	600 micron (approx. 28 wire mesh)	20 per case
PTS-5Gal-K20-200	200 micron (approx. 65 wire mesh)	20 per case
PTS-5Gal-K20-400	400 micron (approx. 37 wire mesh)	20 per case
PTS-5Gal-K20-600	600 micron (approx. 28 wire mesh)	20 per case
PTL-5Gal-K40	5 gallon pail liner (11.25" ID, 13" OD)	40 per case



Low Pressure In-Line Fluid Filter (Y-Strainer)

Ideally suited for use on pressure tank or diaphragm pump outlet. Nickel plated body and stainless steel element screen for solvent or waterborne materials.

PART NO.	DESCRIPTION	S.S. ELEMENT SCREEN		
	30 mesh, 590 microns	83-2705		
83-2922	50 mesh, 297 microns	83-2089		
83-2923	80 mesh, 177 microns	83-2596		
83-2924	100 mesh, 149 microns	83-1256		
83-2925	100 mesh, 96 microns	83-2405		
83-2926	200 mesh, 74 microns	83-2706		





Pressure Feed Cups



Spray Respirators and Filters



Millennium 3000 -**Premium Paint Spray Respirator**

A premium charcoal respirator that combines superior comfort with the fit, durability, and protection of a conventional half-mask respirator.

PART NO.	PRODUCT DESCRIPTION
40-141	Millennium 3000 – Small
40-128	Millennium 3000 – Medium
40-143	Millennium 3000 – Large
40-1928	Millennium 3000 Tune-Up Kit (Includes Cradle Headband, R&L Neckstraps, 2 Inhalation Valves, 2 Cartridge Gaskets, Exhalation Valve & Cover)

Fluid Regulators

84-409

84-320



Millennium 2000 -**Classic Paint Spray Respirator**

For economical protection, try this value-priced charcoal respirator. Provides the fit and comfort of a traditional respirator and protection from paints and solvents.

PART NO.	PRODUCT DESCRIPTION
40-1929	Millennium 2000 – Small
40-1930	Millennium 2000 – Medium
40-1931	Millennium 2000 – Large
40-1939	Millennium 2000 Tune-Up Kit (Includes Cradle Headband, Neckstraps, 2 Inhalation Valves, Exhalation Valve)

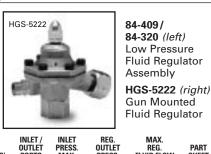


40-1921-10 40-1932-10

40-1924-10 40-1935-10



PART NO.	PRODUCT DESCRIPTION
40-1921-10	Replacement Charcoal Cartridges for Millennium 3000 (10 blister packs of 2 cartridges)
40-1924-10	Replacement Fiber Pre-Filters for Millennium 3000 (10 blister packs of 10 filters)
40-1925	Filter Cartridge Covers for Millennium 3000 pre-filters (2 covers)
40-1932-10	Replacement Charcoal Cartridges for Millennium 2000 (10 blister packs of 2 cartridges)
40-1935-10	Replacement Fiber Pre-Filters for Millennium 2000 (10 blister packs of 10 filters)
40-1936	Filter Cartridge Covers for Millennium 2000 pre-filters (2 covers)



PART NO.	MATERIAL (WETTED PARTS)	INLET / OUTLET PORTS	INLET Press. Max.	REG. Outlet Press.	MAX. Reg. Fluid Flo\	PART N SHEET
84-409	Stainless Steel Body Stainless Steel	3/8" in.	200 psi	5-100 psi	1 gal./mi	n. 77-1915
84-320	Stainless Steel Body Stainless Steel	3/8" in.	200 psi	5-55 psi	1 gal./mi	n. 77-1486
PART NO.	CONTROL	FL	UID INLET	FLUID (DUTLET	PART SHEET
HGS-5222	Manual Adjust	3/8"	NPSM(M)	3/8" in.	swivel	SB-6-403
84-585	Manual Adjust	1/4"	NPSM(M)	3/8" in.	swivel	77-2689

Hand Cleaner Towels



Hand Cleaner Towels in a convenient bucket

Scrubs are pre-moistened with a patented, citrus based formula to remove paints, adhesives, inks, oil, soil, etc. Part No. 29-3100-K6 Case of (6) Buckets, (72) towels per bucket. See flyer 77-5239.

CleanAir Filter-Regulators



CleanAir Centrifugal Filter-Regulator Unit HFRL-508

Excellent for eliminating moisture and dirt from an air supply.



CleanAir Coalescer Filter-Regulator Unit HFRL-512

CleanAir coalescer filters remove water, dirt and oil from the system down to .01 micron.

Air Adjusting Valves



HAV-501 Gun Mounted Air Adjusting Valve for accurate air pressure adjustment at the spray gun.

HAV-500 (without gauge)



Sales and Service Through a Nationwide Network of Industrial Distributors



North American Office

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