

Product Catalogue

Industrial Finishing



Finishing Solutions for the Global Market



Finishing Solutions for the Global Market

Finishing Brands Europe based in Bournemouth, England, Dietzenbach, Germany and Valence, France manufacture and supply all types of Industrial Spray Finishing Equipment and accessories.

Incorporating the world leading brands of Binks Devilbiss and Ransburg produce "cutting edge" high technology Spray Finishing equipment for the supply and application of all sprayed materials for all major manufacturing Industries and Markets. Binks Devilbiss and Ransburg have been manufacturing spray equipment for all of your finishing requirements for over 100 years.

Innovation

The culture of Binks, DeVilbiss and Ransburg is rooted in developing commercial innovations. Many of the product success stories begin on-site, where customers' needs are most apparent. Thanks to the expertise of our management and sales force (many of whom are trained engineers) we are well equipped to provide practical and time-sensitive solutions to the most complex situations. The seasoned workforce intimately understands the manufacturing challenges facing customers and can develop original solutions from the ground up.

Global manufacturing and R&D

Facilities are located in Europe, USA, Australia, Brazil, China, Japan and Mexico with long established Industrial Distributors serving all Countries around the World.

We manufacture and supply all types of Industrial Spray Finishing Equipment and Accessories. Incorporating the world leading Brands of Binks, DeVilbiss and Ransburg producing "cutting edge" high technology Spray Finishing Equipment for the supply and application of all sprayed materials for all major manufacturing Industries and Markets. This catalogue depicts the range of Binks, Devilbiss and Ransburg Spray Finishing products available from our European sales and marketing operations. This all encompassing product range is itemised in the contents.





Binks working in virtually every industry around the world

In 1890, Joseph Binks pioneered the spray gun industry with the introduction of the first cold-water paint spraying machine. It all started in the basement of Marshall Field & Company, when Joseph Binks figured out how to spray the walls instead of brushing them, and saved a lot of time.

Binks used his invention to rescue the opening of the 1896 Colombian Exposition. Just days before the opening, nine of ten exhibit buildings stood unpainted, but Binks saved the day. Today you can find spray finishing technology from Binks at work in virtually every industry around the world.



For over 120 years the DeVilbiss philosophy has been finding innovative solutions to spray finishing problems

Founded in 1888 when Toledo, Ohio physician Dr. Allen DeVilbiss combined a bulb, some tubing, and the base of an oil can to create the first atomiser for health care. DeVilbiss is now the leading supplier of spray finishing equipment to the industrial and automotive refinish markets.

Since then, DeVilbiss has maintained its commitment to innovative technology by establishing itself as a team of experts who thoroughly understand the intricacies of the finishing process, the equipment design needed for achieving the highest quality finish, and the bottom line needs of customers to maximise productivity.



Ransburg, the acknowledged leader in electrostatic painting processes

Harold Ransburg developed the first electrostatic application system in 1940 with the introduction of Ransburg No1. Further developments through the 50s and 60s lead to Ransburg achieving material transfer efficiency levels of up to 98% and significant reductions in overspray, resulting in dramatic cost savings and reduced VOC emissions in a wide range of applications, in many different industries.

Today Ransburg is acknowledged as the market leader in the design and manufacture of electrostatic equipment. Its cutting edge technology has led to the development of rotary atomisers like bells and discs.





Fully Approved Distributors offer the Highest Standards of Sales and Service of Binks, DeVilbiss and Ransburg products

After thorough evaluation of how best to serve our customers, established distributors have proved by far the best method of achieving this goal. Our Distributors are strategically selected, they understand local industries and their specific finishing requirements. What's more they have the facilities coupled with in-depth product knowledge and experience that we know our customers really value.

Proven to be the best

Our distributors are carefully selected and have met our exacting criteria. To qualify, a Distributor must agree to a comprehensive range of business improvements including: a highly efficient parts and service operation, specialist staff training to ensure expert product knowledge, the provision of technical support and implementation of approved management systems.



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Substrate indicators guide users where our products can be applied:

- ① Tips/needles = Stainless Steel as standard
- ② Stainless Steel fluid passageways
- ③ Optional = Tungsten Carbide and hardened tips/needles
- ④ Substrate = Wood, metal, plastic and others
- ⑤ Substrate = Ceramic and glaze





Manual and Automatic spray guns...

Leading the way with spray gun Innovation

Binks and DeVilbiss invented the world's first "stand alone" HVLP and COMPLIANT technology spray guns back in the 1980's, resulting in a revolution in the way our spray guns atomise paints to provide the bench mark in paint transfer efficiencies, saving paint for the end users and dramatically reducing the emission levels of harmful VOC's into the atmosphere. These and other patented ground breaking product developments have placed Binks and DeVilbiss as the foremost spray equipment manufacturer for many years.

DEVILBISS®

Manufactures low pressure manual and automatic spray guns and related spraying accessories; including air filter reducing valves and regulators, operator breathing systems, spray gun cups, hoses and other equipment for the

Industrial Finishing Markets. DeVilbiss is widely recognised for the development and introduction of the first "Compliant" spray guns, which greatly reduce overspray and VOC's into the environment. An expertise in ergonomics and innovative spray gun design is widely acclaimed.

BINKS®

Manufactures low and high pressure manual and automatic spray guns, accessories, airless and air assisted airless spray painting outfits; high and low pressure fluid handing pumps and regulators, pressure feed tanks, 2K

electronic paint mixing machines and paint circulating systems for the industrial finishing and automobile manufacturing markets. A pioneer in spray finishing technology which includes the development and introduction of the world's first "stand alone" HVLP spray guns.

Here is an explanation of the atomising technologies used throughout this product catalogue.

CONVENTIONAL "AIR SPRAY" ATOMISATION

The most established method of air atomising used on "conventional" spray guns, uses relatively high velocity compressed air to provide good atomisation of the sprayed material. However this process results in low paint transfer efficiencies due to the 'bounce-back' and 'overspray' generated. Compressed air operating pressures used in this process are typically 2 to 4 BAR (30 to 60 psi).

HVLP (HIGH VOLUME LOW PRESSURE)

This "compliant" atomisation method first became important in the 1980's when environmental legislation was first introduced. It uses larger compressed air volumes at lower pressures to atomise the coating. It has a much higher transfer efficiency than Conventional Air Spray. However, the droplet size produced tends to be slightly larger, sometimes resulting in a lower quality finish. HVLP operates at 0.7 BAR (10 psi) at the air cap in compliance with global environmental legislation to provide greater than 65% transfer efficiencies.

TRANS-TECH® (COMPLIANT)

This atomisation type was introduced by DeVilbiss in the mid 1990's and is a ground breaking combination of Conventional and HVLP atomisation methods. Trans-Tech utilises more compressed air energy for the atomisation process producing much higher Transfer Efficiency of coating material than the Conventional method. This 'complies' with Global legislation by being able to transfer at least 65% of the sprayed material to the component. Air Cap Pressure is typically 1.3 to 3 BAR (20 to 45 psi). HVLP has mostly been replaced by DeVilbiss Trans-Tech Atomisation in most applications due to its superior finish qualities.

AIRLESS SPRAY

Airless spraying is a method of spray application that does not directly use compressed air to atomise the paint/coating material, hence the terminology "Airless". Hydraulic fluid pressure is used to atomise the paint by pumping it at high pressures of about 30 to 450 BAR (500 to 6500 psi) through a small orifice spray nozzle (typically tungsten carbide). The resulting spray atomisation is ideal for the very fast application of protective and decorative coatings. Typical applications include corrosion protection of large steel components and structures, and the interior of buildings.

AIR ASSISTED AIRLESS

The paint/coating material is hydraulically forced through a small orifice spray nozzle (tungsten carbide) with a typical fluid pressure of 25 to 120 BAR (400-1800 psi). Final atomisation and fan shaping air is then added by the Binks HVLP/Compliant air cap blending with the fluid stream to produce an exceptionally fine and even spray pattern with very little overspray. This unique combination of Air Assisted Airless/HVLP technologies results in a finely atomised "soft spray" pattern producing a high quality finish that particularly lends itself to finishing wooden products that need an exceptionally fine finish with greatly reduced overspray in compliance with worldwide VOC regulations.

Innovation and Technical Excellence

Global Leaders

DeVilbiss and Binks the globally acknowledged leaders in spray gun and air cap design, have pioneered and perfected paint atomisation technology innovations, to ensure the highest possible standards in paint application and finish. The manual and automatic spray guns depicted in this section are evidence of the continual commitment to product excellence from the world leaders in spray gun manufacturing.

Research and Development

Huge resources are dedicated to research and development. We work closely with the leading paint companies and specialists in surface coatings to ensure our equipment consistently provides the standard of finish our customers demand.

Atomisation Technologies

DeVilbiss and Binks manual and automatic spray guns utilise Conventional, HVLP, Trans-Tech Compliant, Airless and Air Assisted Airless atomisation technologies to apply a wide range of industrial coatings. (For a detailed explanation of these technologies see page 6 and for electrostatic technologies page 20).

Applications

- Aircraft and Aerospace Industry
- Agricultural and Farming Machinery
- Furniture Manufacturers (Wood and Metal)
- General Industry
- Leather Goods and Shoe Makers
- Defence and Military Fighting Vehicles
- Potteries (Glaze)
- Trade Coaters - Stove Enamellers
- Marine and Boating Industry
- Woodworking and Joinery
- Truck and Bus
- Rail and Transport
- Off Road Vehicles – fork lift trucks, plus many others

Compatible Material/Coating Types

- Solvent and Water Based Materials
- Compliant/High Solids Coatings
- Adhesives
- Primers, Enamels and 2K Polyurethanes
- Fillers, Sealers and Lacquers
- Cellulose
- Pre-Catalysed
- Acid Catalysed
- U.V. Curing Sealers and Topcoats
- Stains and Varnishes
- Release Agents
- Twin Pack Materials (2K)
- Anticorrosive Paints, plus many others



ADVANCE HD HVLP AND TRANS-TECH
PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS

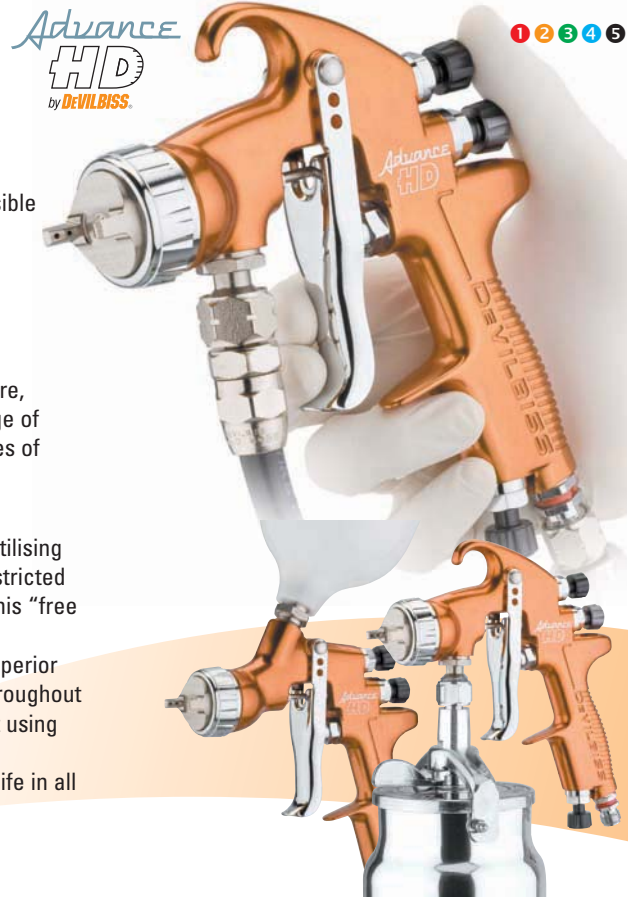
The all purpose mid-sized Compliant spray gun range

- Robust, Lightweight and work friendly design for High Demand outputs
- Balanced air valve design for lighter trigger pull and improved air flow
- Trans-Tech Compliant and HVLP air caps provide superior finish with the best possible paint savings and transfer efficiency
- Contoured handle design – Greatly reduces RSi and operator fatigue
- Stainless Steel tips, needles and fluid passageways as standard
- CE marked and fully ATEX approved.

The comprehensive Advance HD (High Demand) spray gun range ensures there's a DeVilbiss spray gun to suit all types of industrial spray finishing applications. Pressure, Suction and Gravity feed, the Advance HD family utilise a comprehensive, wide range of Compliant Air Caps to provide outstanding coatings' atomisation for handling all types of solvent, waterborne, high solids and 2K materials.

DeVilbiss expertise and performance unequalled at work...

Advance HD unrivalled high performance is achieved with new design technology utilising high capacity air passages with a separate "balanced" air valve to provide an unrestricted flow of compressed air through the gun body. This "free breathing" air movement enables the precision-engineered air caps and fluid tips to produce superior atomisation with consistent even distribution throughout the spray pattern. Advance HD is precision built using the best materials and component parts for a guaranteed, reliable, long and durable working life in all industrial markets.



- "Trans-Tech" Compliant, HVLP or Conventional Air Caps, St St Fluid Tips and Needles with Hardened and tungsten carbide options provide universal compatibility with ALL Industrial Spray Coatings.
- Stainless Steel Fluid passageway/inlet with 3/8" Universal Thread for BSP and NPS compatibility.
- No Baffle design – reduced number of parts, reducing weight and making cleaning easier.



- Increased "Finger" Space – Easier operator access.
- Lighter Trigger Pull Tension – Decreased RSi and Operator Fatigue.
- Self adjusting Needle Packing Assy – PTFE.
- Comfortable operator friendly Trigger design – with reduced trigger travel.

Key features and benefits for

DeVilbiss Advance HD has a very wide selection of fluid and air nozzles to provide outstanding atomisation over a wide range of materials including high solids, solvent/waterborne paints, lacquers, stains, glaze, base and clear coats, twin pack and many other finishing materials.

Example of gun part numbering:-
ADV-P522-14 =

- ADV = Advance gun
- P = Pressure
- 522 = TRANS-TECH Air Cap
- 14 = 1.4mm Fluid Tip and Needle.

Advance HD spray guns kits are packaged as :- Pressure gun only, Suction gun with 1 litre cup and Gravity feed kits inc. 568 ml standard gravity cup or gravity Pressure kits inc 568 ml polyester cup.

Air Cap Number and Type	Air Consumption	Air Inlet Pressure Bar (psi) recommended	*Typical Fluid Flow ml	*Typical Fan Pattern size mm
No. 500R (HVLP)	195 l/min (7 scfm)	1.0 bar (14 psi)	130-190	Round spray
No. 505 (HVLP)	385 l/min (13.6 scfm)	1.3 bar (19 psi)	130-190	270
No. 590 HV (HVLP)	200 l/min (7.1 scfm)	1.0 bar (14 psi)	0-150	120
No. 510 Trans-Tech	283 l/min (10 scfm)	2 bar (29 psi)	160-220	270
No. 513 Trans-Tech	394 l/min (14.1 scfm)	2 bar (29 psi)	200-800	350
No. 515 Trans-Tech	364 l/min (12.9 scfm)	2 bar (29 psi)	200-400	320
No. 520 Trans-Tech	284 l/min (10 scfm)	2 bar (29 psi)	150-250	280
No. 522 Trans-Tech	410 l/min (14.5 scfm)	2 bar (29 psi)	200-600	350
No. 523 Trans-Tech	410 l/min (14.5 scfm)	2 bar (29 psi)	200-400	300
No. 590 Trans-Tech	218 l/min (7.8 scfm)	2 bar (29 psi)	0-150	150
No. 591 Trans-Tech	218 l/min (7.8 scfm)	2 bar (29 psi)	0-150	150

No. 505 (HVLP) and No. 500R (HVLP) air caps operate at 0.7 bar (10 psi) at the cap. All illustrated flow rates and fan sizes may vary according to paint/material viscosity and pressures used.

Fluid Tip and Cap Chart

Air Cap No.	Technology	0.5 mm	0.7 mm	0.85 mm	1.0 mm	1.2 mm	1.3 mm	1.4* mm	1.6 mm	1.8* mm	2.0 mm	2.2* mm
500R	HVLP			P	P	P	PG	P	PGS	PGS	PGS	PGS
505	HVLP			P	P	P	PG	PG	PGS	PGS	PGS	PGS
590HV	HVLP	P	P		P							
510+	Trans-Tech			P	P	P	PG	PG	PGS	PGS	PGS	PGS
513	Trans-Tech			P	P	P	PG	P	PGS	PGS	PGS	PGS
515	Trans-Tech			P	P	P	P	P	P	P	P	P
520	Trans-Tech			P	P	P	PG	PG	PGS	PGS	PGS	PGS
522	Trans-Tech			P	P	P	P	P	P	P	P	P
523	Trans-Tech			P	P	P	P	P	P	P	P	P
590	Trans-Tech	P	P		P							
591	Trans-Tech	P	P		P							

P = Pressure G = Gravity S = Suction * Hardened & tungsten carbide tips and needles are available in these sizes.

MANUAL SPRAY GUNS

ADVANCE HD CONVENTIONAL
PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS

The all purpose mid-sized Conventional spray gun range

- Wide range of conventional atomisation air caps provide a superior sprayed finish
- Robust, Lightweight and work friendly design for High Demand outputs
- Stainless Steel tips, needles and fluid passageways as standard
- Contoured handle design – Greatly reduces RSi and operator fatigue
- CE marked and fully ATEX approved.

Advance HD – Naturally comfortable...

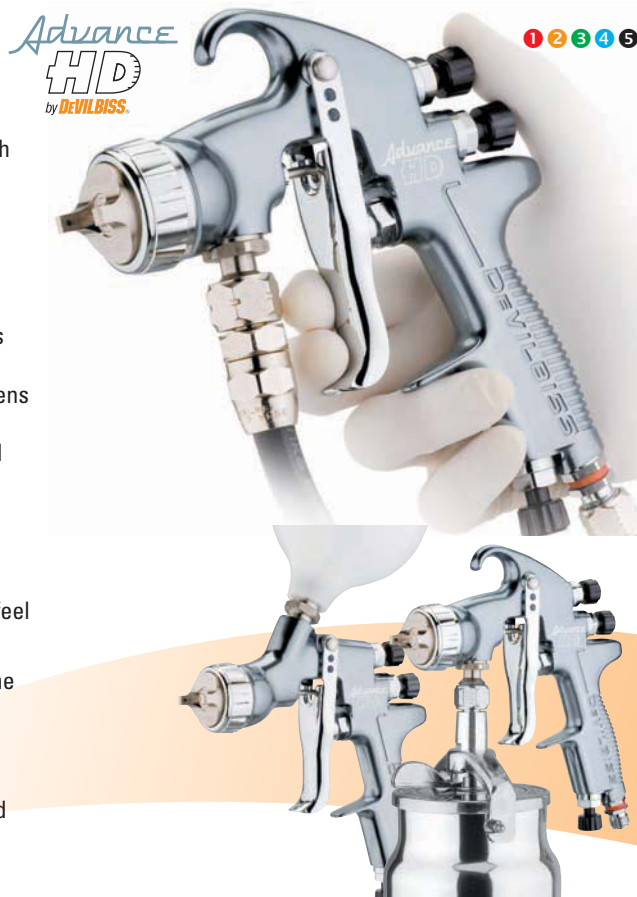
Light weight with a lighter trigger action and increased finger room. Advance HD is perfectly balanced and naturally comfortable thanks to the fit and feel of the contoured handle design. It greatly reduces operator fatigue and significantly lessens the chances of RSi or finger problems. Comfort that pays off by increasing productivity wherever DeVilbiss Advance spray guns are used, whether it's a small finishing operation or a high volume production line.

DeVilbiss outperforms the rest.

Advance HD's unique high capacity airflow and outstanding atomisation characteristics are combined with a separate "balanced" air valve to provide an unrestricted flow of compressed air through the gun body, this coupled with light, feel right comfort is an unbeatable combination.

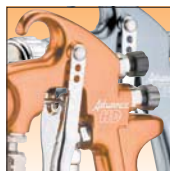
Advance spray guns are ideal for small operations or high volume spraying, with the added bonus of instantly improved finishing productivity.

The DeVilbiss Advance HD (High Demand) spray guns are available in Pressure, Suction and Gravity feed formats and a wide range of conventional technology Air Caps provide exceptional atomisation for coating wood, metal, plastic, ceramic and composite substrates with most types of solvent, waterborne, high solids and 2K materials.

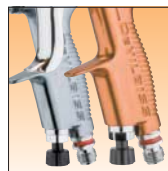


1 2 3 4 5

High Demand applications



- Forged Aluminium Alloy Gun Body – Heavily Anodised for a Rugged Long working life.
- Wider Hook opening 1/2" (12mm).
- Gun Controls – Easy Adjustment for precise control of Fluid output and atomising air.
- Separate "balanced" Air Valve design for precise air flow triggering and easier cleaning.



- Curved Handle design – provides superior operator fit and feel with reduced RSi and operator fatigue.
- Air Inlet Adjuster "Cheater" valve included as standard.
- 1/4" Universal Thread air inlet.

Optional accessories for Advance HD Spray Guns

- VSA-512 St/St Fluid Filter Kit (inc. 3 elements)
- Tungsten Carbide and Hardened Tips/Needles (for use on abrasive materials)
- Nylon Tipped Needle. 1.0, 1.2 and 1.4



Suction cup pt. no. KR-566-1-B



Gravity cup pt. no. GFC-501



Gravity cup (Blue polyester) pt. no. GFC-511 for difficult fluids

Air Cap Number and Type	Air Consumption	Air Inlet Pressure Bar (psi) recommended	*Typical Fluid Flow ml	*Typical Fan Pattern size mm
No. 430 Conventional	339 l/min (12 scfm)	3.5 bar (50 psi)	200-280	200
No. 443 Conventional	345 l/min (12.3 scfm)	3 bar (45 psi)	200-300	300
No. 462 Conventional	380 l/min (13.5 scfm)	3 bar (45 psi)	500-3000†	450†
No. 470 Conventional	465 l/min (16.4 scfm)	3 bar (45 psi)	500-1800†	420†
No. 477 Conventional	480 l/min (17 scfm)	3 bar (45 psi)	200-800	430
No. 497 Conventional	510 l/min (18 scfm)	3.5 bar (50 psi)	200-600	380

All illustrated flow rates and fan sizes may vary according to paint/material viscosity and pressures used.

† = ceramic material

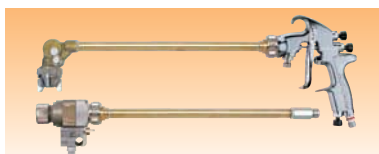
Fluid Tip and Cap Chart

Air Cap No.	Technology	0.85 mm	1.0* mm	1.2* mm	1.3 mm	1.4* mm	1.6* mm	1.8* mm	2.0 mm	2.2* mm	2.8* mm
430	Conventional	P	P	PG	PG	PG	PGS	PGS	PGS	PSG	
443	Conventional	P	P	PG	PG	PS	PGS	PGS	PGS	PSG	G
462	Conventional									Pt	Pt
470	Conventional									Pt	Pt G
477	Conventional	P	P	P	P	P	P	P	P	P	
497	Conventional	P	P	P	P	P	P	P	P	P	

P = Pressure G = Gravity S = Suction * Hardened and/or tungsten carbide tips and needles are available in these sizes.

Spray Gun Extension's

See page 15 for the complete range



See page 57 for Service Kits.



ADVANCE HD

GRAVITY SPRAY GUN WITH PRESSURE ASSISTED CUP

DeVilbiss Advance HD pressure assist gravity cup system is perfect for the application of heavily bodied thixotropic materials.

DeVilbiss Advance HD pressure assist spray guns are available in both Compliant and Conventional atomisation technologies.

Advance HD is precision built using the best materials and component parts for a guaranteed, reliable, long and durable working life in all industrial markets.

- Faster application rates of high viscosity materials
- Robust, Lightweight and work friendly design for High Demand outputs
- Renowned DeVilbiss Atomisation Quality
- Compliant and Conventional spray guns
- Contoured handle design – Greatly reduces RSi and operator fatigue
- Stainless Steel tips, needles and fluid passageways handle Solvent and Waterbased materials
- Polyester gravity cup for all types of materials.

Specifications and Technical Data

Air Supply Connection	Universal 1/4" BSP and 1/4" NPS male
Maximum Air Inlet Pressure	P1 = 12 bar (175 psi)
Service Temperature	0 to 40°C (32 to 104°F)
Gun Weight (gun only)	482 g
(with cup)	680 g

Air Cap Number and Type	Air consumption	Air inlet pressure bar (psi) recommended	*Typical Fluid Flow ml	*Typical Fan Pattern size mm
No. 510 Trans-Tech	283 l/min (10 scfm)	2 bar (29 psi)	160-220	270
No. 513 Trans-Tech	394 l/min (14.1 scfm)	2 bar (29 psi)	200-800	350
No. 520 Trans-Tech	283 l/min (10 scfm)	2 bar (29 psi)	150-250	280
No. 430 Conventional	339 l/min (12 scfm)	3.5 bar (50 psi)	200-280	200
No. 443 Conventional	345 l/min (12.3 scfm)	3 bar (45 psi)	200-300	300

*Fluid tip range 1.3, 1.4, 1.6, 1.8, 2.0 & 2.2mm.



GTi HD CONVENTIONAL

PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS



DeVilbiss GTi HD – the ultimate in spray gun technology

Over many years the DeVilbiss GTi range of Compliant spray guns have established themselves as firm favourites with sprayers all over the world. As part of DeVilbiss's continued commitment to be the world leader's in spray gun technology, these iconic spray guns have been completely re-designed and engineered with new gun bodies, air caps, tips, triggers and air valves. Beneath the familiar exterior is the very latest in balanced air management and atomisation technology. These significant product developments once again provide these guns with unrivalled finishing performance and durability.

The 'full size' Compliant spray gun range

- Renowned DeVilbiss atomisation quality
- Trans-Tech fully EPA compliant for superior material transfer efficiency and significant paint savings
- High Speed application with consistent lay-down and superior finish
- Balanced air valve design for lighter trigger pull and improved air flow
- Tough, corrosion resistant anodised gun body
- Modular components for easier, faster servicing
- Precision high grade ST/ST fluid tips and needles as standard.

Example of gun part numbering:-
GTIPHD-T1-10 =

- GTIPHD = Gun
- T1 = T1 Air Cap
- 10 = 1.0mm Fluid tip and needle



Air Cap Number and Type	Recommended Inlet Pressure	Air Flow @ 2 bar/29 psi
T1 Trans-Tech Gravity/Suction/Pressure	2 bar (29 psi)	280 l/min (10 scfm)
T2 Trans-Tech Gravity/Suction/ Pressure	2 bar (29 psi)	350 l/min (12 scfm)
T3 Trans-Tech Pressure	2 bar (29 psi)	300 l/min (11 scfm)

	GTi HD Gravity	GTi HD Suction	GTi HD Pressure
Air Connection	1/4" Universal	1/4" Universal	1/4" Universal
Fluid Connection	N/A	3/8" Universal	3/8" Universal
Gun Weight (without cup)	585 g	650 g	650 g

Air Cap No.	Tip size	0.85mm	1.0 mm	1.2 mm	1.3 mm	1.4 mm	1.6 mm	1.8 mm	2.0 mm
T1		P	P	P G	G	P G	P S	P S	PS
T2		P	P	P G		P G	P S	P S	PS
T3		P	P	P		P		P	

P = Pressure G = Gravity S = Suction

MANUAL SPRAY GUNS



JGA AND GFG HD CONVENTIONAL
PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS



The Finishing World's favourite spray guns just got better with the introduction of the **HD (High Demand)** range.

The DeVilbiss JGA & GFG HD are high performance conventional air atomising guns suitable for most industrial spray finishing applications and are made of the best available materials to withstand the highest demands in the modern spray shop, to provide a guaranteed, long and durable working life. The guns can be used with virtually all industrial solvent and

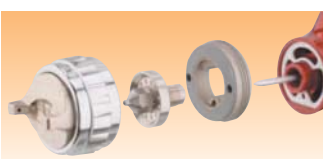
water based paints, coatings, lubricants, dyes, stains, varnishes, lacquers and adhesives.

The 'full size' Conventional spray gun range

- Renowned DeVilbiss Atomisation Quality
- Genuine fast application rates
- Forged aluminium gun body for long life service
- Light smooth trigger action to reduce operator fatigue
- Balanced air valve design to improve air flow characteristics.

Example of gun part numbering:-
JGAPHD-C3-10 means...

JGAPHD = JGA Pressure Gun HD
C3 = C3 Air Cap /
10 = 1.0 mm Fluid tip and needle.

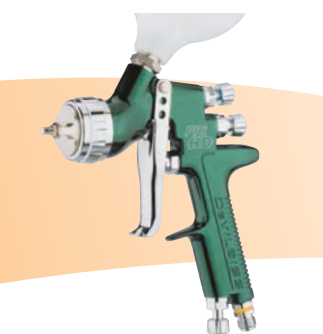


Air Cap Number and Type	Recommended Inlet Pressure	Air Flow @ 3 bar/43.5 psi
C1 Conventional Gravity/Suction/Pressure	2.5-3 bar (36-44 psi)	250-300 l/min (9-11 scfm)
C2 Conventional Gravity/Suction/Pressure	2.5-4 bar (36-58 psi)	255-400 l/min (9-14 scfm)
C3 Conventional Pressure	2.5-4 bar (36-58 psi)	260-410 l/min (9-15 scfm)

Specification	JGA HD	GFG HD
Air Connection	1/4" Universal	1/4" Universal
Fluid Connection	3/8" Universal	N/A
Gun Weight (without cup)	650 g	585 g

Air Cap No.	Tip size	0.85mm	1.0 mm	1.2 mm	1.4 mm	1.6 mm	1.8 mm
C1		P	P	P	P	P G S	P G S
C2		P	P	P	P G	P G S	P G S
C3		P	P	P	P	P	P

P = Pressure G = Gravity S = Suction



PRI HD
GRAVITY MANUAL SPRAY GUN



DeVilbiss **PRI HD** –

The ultimate in primer spray gun technology

The PRI HD is a compliant gravity feed spray gun specifically designed for the application of modern primers, surfacers and fillers. The P1 primer air cap incorporates the latest DeVilbiss Trans-Tech atomisation technology for total compliance with EPA regulations. Primer guns must be compliant in their own right. The P1 air cap is manufactured in plated brass for ultimate durability.

The all purpose full size Compliant primer spray gun

- Large spray patterns and even material distribution
- Suitable for all types of primers, surfacers, fillers and polyesters
- Air adjuster valve on the gun handle allows instant pressure control
- Balanced air valve design for lighter trigger pull and improved air flow
- Tough and durable drop forged aluminium gun body
- Paint cup includes integral filter and drip-check lid.

Example of gun part numbering:
PRIHD-P1-14 =

PRIHD = PRI HD Gravity Gun
P1 = P1 Air Cap
14 = 1.4 Fluid Tip and Needle.



	PRI HD Gravity
Air Connection	1/4" Universal
Gun Weight (without cup)	585 g

Air cap Number and Type	Recommended Inlet Pressure	Air Flow @ 2 bar/29 psi
P1 Trans-Tech Gravity	2 bar (29 psi)	300 l/min (11 scfm)

PRI HD Gravity Fluid Tip/Needle (mm) size and code: 1.4, 1.6, 1.8, 2.0, 2.5

Optional accessories for GTi, JGA and PRI Spray Guns

VSA-512 St/St Fluid Filter Kit (inc. 3 elements)



Suction cup pt. no. KR-566-1-B



Gravity cup pt. no. GFC-501



Gravity cup (Blue polyester) pt. no. GFC-511 for difficult fluids

See page 57 for Service Kits.



Gravity Cup Part no: SRI-510

SRI HD GRAVITY MANUAL SPRAY GUN



A fine finish spray gun to provide ultra sensitive fan pattern control with the comfort of a full-size spray gun

The DeVilbiss SRI HD is the ultimate fine finish spray gun providing superb feathering control combined with the pattern range and versatility needed for top quality fine finishing including spot repairs, shading and stencilling, whilst providing excellent comfort stability, balance and delicacy of control.

▪ A small scale fine finish spray gun with many practical uses throughout general industry, ergonomically styled for comfort.

- Choice of HVLP or Trans-Tech® Compliant air caps provide superb atomisation of both solvent and waterbased materials
- Stainless steel fluid tips & needles
- Balanced air valve design for lighter trigger pull and improved air flow
- Lightweight, strong, cast aluminium gun body
- SRI is supplied as standard with a quality screw top gravity feed cup with 125mls. capacity
- Optional inexpensive semi-disposable cups are available.

**Example of gun part numbering:
SRIHD-TS1-08 =**

SRIHD = SRI HD Gravity Gun
TS1 = TS1 Air Cap
08 = 0.8 Fluid Tip and Needle.

	SRI HD Gravity
Air Connection	1/4" Universal
Gun Weight (without cup)	500 g



Kit contents are spray gun c/w selected air cap and tip set up, gravity cup, pouring funnel, spanner, torx key and cleaning brushes.

Typical Applications in General Industry

- Fine shading ▪ Retouching
- Stencilling ▪ Spot repair ▪ Reworking

Air cap Number and Type	Recommended Inlet Pressure	Air Flow @ recommended inlet pressure
HS1 HVLP Gravity	2 bar (29 psi)	135 l/min (5 scfm)
TS1 Trans-Tech Gravity	2 bar (29 psi)	100 l/min (4 scfm)
RS1 Trans-Tech Round Spray Gravity	1 bar (15 psi)	55 l/min (2 scfm)

SRI HD Gravity Fluid Tip/Needle (mm) size and code: 0.8, 1.0, 1.2, 1.4



JGA PRESSURE SPRAY GUN FOR ENAMEL, CERAMIC AND GLAZE APPLICATIONS



DeVilbiss JGA Spray Gun "The Industry Standard"

JGA Conventional Spray Guns are built to withstand continuous production line duty, the gun body is produced from drop forged aluminium and is built for easy maintenance by the operator.

DeVilbiss air caps, fluid tips and needles are available in stainless, hardened and tungsten carbide steel and are precision engineered to produce finely atomised patterns with first class material distribution throughout the spray pattern.

Air Cap Number and Type	Tip Size	Recommended Air Inlet Pressure	Air Flow @ 3.4 BAR / 50psi
62HD Conventional spray	2.8 mm	3.5 BAR / 50 psi	502 l/min (18 scfm)
64HD Conventional spray	2.2 mm	3.5 BAR / 50 psi	488 l/min (17.5 scfm)
67HD Conventional spray	1.8 mm	3.5 BAR / 50 psi	539 l/min (19 scfm)
69HD Conventional spray	2.2 mm	3.5 BAR / 50 psi	572 l/min (20.5 scfm)



CSPRAY PRESSURE AND GRAVITY MANUAL SPRAY GUNS



The DeVilbiss spray gun range especially for the Yacht and Light Marine market.

- Designed in partnership with the market leading paint manufacturers
- New Critical Droplet atomisation Technology air caps provide enhanced performance and best finish right across the range of Marine paints.
- Cspray has Stainless Steel tips, needles and fluid passageways as standard

- Curved gun handle – enhances gun handling and greatly reduces operator fatigue
- Lightweight gun design with lighter trigger pull and improved air flow.

All Cspray guns are precision built by DeVilbiss using the best materials and component parts for a guaranteed, reliable, long and durable working life.

Part Number & Type	Air Consumption	Air Inlet Pressure	Typical Fluid Flow	Typical Fan Width
CDT Pressure Air Cap	540 l/min (19.1 scfm)	3.5 bar (50 psi)	200-500 cc/min	430 mm
CDTG Pressure Air Cap	345 l/min (12.3 scfm)	3 bar (45 psi)	200-300 cc/min	300 mm

Cspray Pressure Spray Gun Kit	
Part No. ADV-PCDT-10 (1.0 mm tip & CDT air cap)	
Part No. ADV-PCDT-12 (1.2 mm tip & CDT air cap)	

Cspray Gravity Spray Gun Kit	
Part No. ADV-GCDT-12 (1.2 mm tip & CDTG air cap)	
Part No. ADV-GCDT-16 (1.6 mm tip & CDTG air cap)	

MANUAL SPRAY GUNS



Example of gun part numbering:
 FLG5-G5-14 = FLG5 = Gun
 G5 = Gravity/Air Cap
 14 = Fluid Tip.

FLG5
 MANUAL SPRAY GUNS

FLG-5 is suitable for most routine spray jobs in the workshop and can also be used by DIY enthusiasts. This budget range of spray guns are available as spray gun kits in Suction and Gravity versions and there is also a Pressure gun option for the larger areas requiring fast coverage without the added down time of re-filling small cups.

The low cost solution: Suction and Gravity guns are supplied in kits.

Air Cap No	Tip Size 1.4mm	Tip Size 1.8mm	Tip Size 2.0mm
No 5 Cap	G	G S	G
No 622 Cap	P		

P = Pressure G = Gravity S = Suction

- Low cost spray guns for use with a wide range of general industrial paints and materials
- FLG-5 employ DeVilbiss TRANS-TECH® atomisation for paint saving efficiency, superb finishes plus compliance with EPA legislation
- Ultra lightweight, strong, cast aluminium gun body
- Ergonomically shaped gun handle for balance, grip and comfort
- Precision engineered brass air cap and stainless steel fluid tips and needles for long service life

1 4



DGI PRO-502-BAR

DGI PRO
 DIGITAL AIR PRESSURE ADJUSTER

Provides accurate control of air pressures on Spray Guns, Paint Pumps, Pressure Tanks and many other finishing products and applications. The DGI Pro digital air pressure gauge by DeVilbiss is a 'Zone 0' approved digital air pressure gauge designed specifically for the spray finishing industry. Engineered by DeVilbiss, the DGI Pro can even be put into the gun wash machine! Accurate and repeatable pressure settings to within .05 bar are assured with the smooth valve action. The DGI Pro is designed to have a service life of two years based on 24 hours a day continuous use.

- Clear and Accurate DIGITAL Air Pressure Display
- Extremely accurate
- Easy to read
- Very tough
- Solvent resistant
- Zone 0 - intrinsically safe
- Clear and easy to read, just squeeze the trigger and set.

4 5



DGR-501G-13

DAGR
 MANUAL AIRBRUSH

DAGR sprays most light paints and finishes with excellent control and hairline detail. High paint-flow shading and gradual fades can be achieved. It has a crown design cap to allow fine line work and to protect the needle from accidental damage. As standard it is supplied with a removable 1/3 fl oz gravity cup and servicing spanner. For really small area work the artist can choose to use no cup at all by filling the reservoir in the airbrush barrel itself. The airbrush is well-balanced with a smooth, double-action trigger. The solvent proof, PTFE needle packing will not deteriorate with automotive paints. As with all DeVilbiss products, service parts are easily available.

A collector's storage tin is included with every DAGR airbrush. DAGR is available from the wide network of DeVilbiss' industrial distributors.

- Hairline detail to high paint-flow shading and gradual fades
- Smooth double action trigger
- Pre-set handle for precise control of paint flow
- Light weight and balanced
- Choice of trigger buttons
- Removable 1/3 oz gravity cup with optional 1/4 oz and 1/2 oz

Operating Pressure	1.3-3.5 bar (20-50 psi) Maximum
Inlet Pressure	12 bar (175 psi)
Fluid tip	0.35 mm
Cup capacity	9 mls (1/3 fl/oz)
Air hose connection	1/4" NPS (M)
Universal fluid threaded connector	3/8"

4

See page 57 for Service Kits.



COBRA 1 & 2
AUTOMATIC SPRAY GUNS

COBRA - The Market Leading automatic spray guns for General Industrial Applications.

DeVilbiss COBRA 1 is purpose made to provide a long working life in tough working conditions. The gun uses the very latest advances in atomising technology to provide users with a cost effective air atomising spray gun with many unique, patented features and benefits.

- Wide range of Trans Tech (Compliant/HVLP) and Conventional Air Caps provide the best performance on ALL applications
- Removable ST ST Spray Head for fast and easy maintenance
- Control of Spray Performance and fluid flow is unequalled with the Fluid Adjusting Knob (18 indexing positions)

- Stainless Steel – For Water Borne & Solvent Based materials
- Independent Fan, Atomising and Triggering Air – Vital for Robotic and Machine applications
- Indexing Air Cap for consistent reproduction of spray pattern.

DeVilbiss COBRA 2 is a highly sophisticated automatic gun that can be detached from its mounting block in a few seconds via the easy thumb release mechanism, for fast and easy maintenance and serviceability.

This special feature from DeVilbiss dramatically reduces production downtime.



COBRA 1



COBRA 2

COBRA 1 & 2 Specifications		
Max Air pressure Fan & Atom	7 Bar	
Min to Max cylinder actuating air	4 to 7 Bar	
Max operating ambient temperature	40°C	
Gun weight	COBRA 1 - 720 g	COBRA 2 - 950 g with mounting block
Length	COBRA 1 - 135 mm	COBRA 2 - 118 mm
Width	45 mm	
Height (with manual adjusting knobs)	COBRA 1 - 63 mm	COBRA 2 - 95 mm

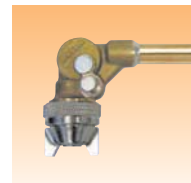
Air cap and tip selection table for COBRA 1 and COBRA 2

Part no. XXXX	Tip Ø in mm										
	0.5	0.6	0.7	0.85	1.0	1.2	1.4	1.6	1.8	2.2	2.8
SP-100-430-K		■			■	■					
SP-100-443-K		■			■	■					
SP-100-462-K										■	■
SP-100-470-K										■	■
SP-100-477-K			■	■	■	■	■	■	■	■	
SP-100-497-K				■	■	■	■	■	■	■	
SP-100-500R-K		■		■	■	■	■	■	■	■	
SP-100-505-K				■	■			■			
SP-100-590HV-K	■	■		■							
SP-100-510-K		■		■	■	■	■	■	■	■	
SP-100-513-K				■	■	■	■	■	■	■	
SP-100-515-K			■	■	■	■	■	■	■	■	
SP-100-520-K				■	■	■	■	■	■	■	
SP-100-522-K				■	■	■	■	■	■	■	
SP-100-523-K		■		■							
SP-100-590-K	■		■	■							
SP-100-591-K	■		■	■							



Vortex tips

Also available for staining applications, sizes (mm) 0.85, 1.0, 1.2, 1.4, 1.8.



Extensions
See page 15

COBRA 3c
LOW PRESSURE AUTOMATIC SPRAY GUN

The DeVilbiss Cobra 3c automatic spray gun is the ideal solution for spraying camera, computer and mobile phone components and many other products.

- Fast maintenance and serviceability
- Quick easy cleaning of external parts and internal passageways

- Air cap indexing for consistent application repeatability (option)
- Fast on/off operation of fluid needle
- Independent fan, atomising and triggering air for total machine compatibility.



Air Cap and Fluid Tip options and Part Numbers:

Air Cap Type	Part No.	Technology	Air Cap Code
590	SP-100-590-ADV-K	Trans-Tech	COM 590
590 HV	SP-100-590HV-ADV-K	HVLP	590 HV

Fluid Nozzle Size mm	Hardened Fluid Nozzle	Hardened Fluid Needle	Number on Fluid Needle
0.7	SP-259N-07-K	SPA-353-07-K	3C 07
0.85	SP-259N-085-K	SPA-353-085-K	3C 085
1.0	SP-259N-10-K	SPA-353-10-K	3C 10

Product part number example

CBA3C-590HV-10N means:-

- CBA3C = Cobra 3c Automatic Gun
- 590HV = Air Cap type
- 10 = 1.0mm fluid tip diameter
- N = Hardened fluid tip and needle

AUTOMATIC SPRAY GUNS AND EXTENSIONS

AGMD PRO
AUTOMATIC SPRAY GUN

1 2 4



The AGMD Pro gun can be configured for standard machine mount applications or upon adapters and hose bundles suitable for most common painting robots.

- DeVilbiss Compliant Atomisation Technology
- "Pro" High Performance front end technology with removable/replaceable baffle and air cap retaining threads

- New radial clamping device with quick release cam operation from either side of gun – compact and convenient
- Fast trigger cycle at lower air pressures
- Same "Tool Centre Point" as original AGMD model
- Certified air caps with indexing facility
- Plastic tip needle on St/St seat for increased life (option)
- Suitable for waterborne and solvent based coatings.

Part Number example:
AGMDPROU-XXXX-YYP

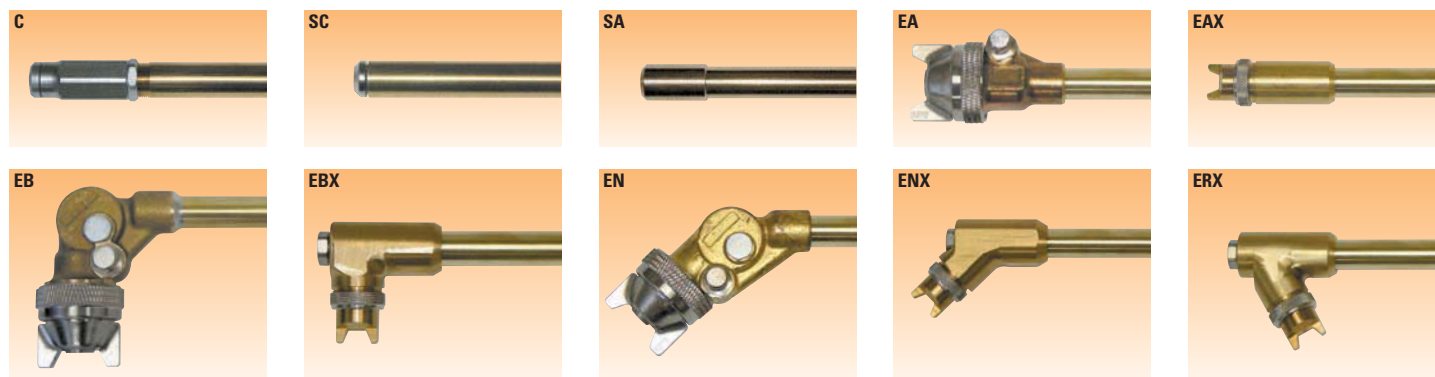
AGMDPRO = Gun
U = Fluid Recirculation
XXXX = Aircap
YY = Tip and Needle
P = Plastic Tipped Needle

Air cap type and air consumption

TE30 High Efficiency Air Cap:	365 l/min (12.9 cfm) @ 2.0 bar (30 psi)
TE40 High Efficiency Air Cap:	350 l/min (12.4 cfm) @ 2.0 bar (30 psi)
TE50 High Efficiency Air Cap:	425 l/min (15.0 cfm) @ 2.0 bar (30 psi)

SPRAY GUN EXTENSIONS FOR ADVANCE HD MANUAL AND COBRA 2 AUTOMATIC GUNS

1 4 5

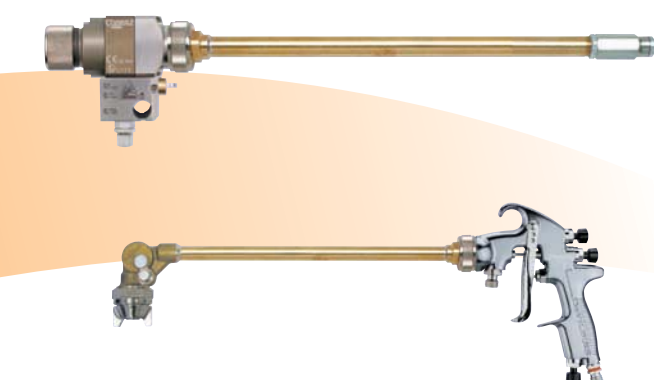


A wide range of DeVilbiss extensions are available for those difficult to reach applications.

The DeVilbiss extension range is manufactured from brass with stainless steel needles as standard, they are available for Advance HD manual and Cobra 2

automatic pressure spray guns. When ordering ensure the part number for the model is completed with the required length in inches. Other lengths and flexible extensions are available upon request.

To order a spray gun for the extension use the part number ADV-000-00 or CBA2-000-00. Bare spray gun's exclude needle, air cap, fluid tip and retaining ring.



(spray guns not included with extensions)

Ref	Type	Code	Clearance
C	360° circular spray	EXTCB2-C-XX	3/4" (19 mm)
SC	360° circular spray	EXTCB2-SC-XX	3/8" (9.5 mm)
SA	forward round spray	EXTCB2SA-XX	7/16" (11 mm)
EA	forward fan spray	EXTCB2-EA-XX	1 3/4" (44 mm)
EAX	forward fan spray	EXTCB2-EAX-XX	7/8" (22 mm)
EB	90° fan spray	EXTCB2-EB-XX	3" (76 mm)
EBX	90° fan spray	EXTCB2-EBX-XX	1 7/8" (48 mm)
EN	45° fan spray	EXTCB2-EN-XX	2 5/8" (67 mm)
ENX	45° fan spray	EXTCB2-ENX-XX	1 3/4" (44 mm)
ERX	30° reverse fan spray	EXTCB2-ERX-XX	2" (51 mm)

Length measurement (approximate) is taken from the gun fluid inlet to the tip of the extension.

Extensions are complete with air cap, fluid tip, needle and air cap retaining ring. Extensions do not include the spray gun.

All fluid tips are stainless steel except type SC which are chrome plated brass and SA are plated steel.

Extensions are for use on pressure feed applications only.

Length options 6" (15cm), 9" (23cm), 12" (31cm), 15" (38cm), 18" (46cm), 24" (61cm), 30" (76cm), 36" (91cm), 48" (122cm), 60" (152cm), 72" (183cm), 84" (213cm)



VIPER

AUTOMATIC SPRAY GUN FOR THE GLAZE AND CERAMIC INDUSTRIES

- Easy and fast cleaning is provided by the unique and instant 1/4 turn air cap and fluid tip removal system ("Quick Up" patented)
- Patented "Bellows" assembly protects and reduces spray gun maintenance
- Completely New air cap range for higher transfer efficiency and durability

- Long life with extended serviceability
- Stainless Steel (hardened) and Tungsten Carbide Fluid tips and needles

DeVilbiss Viper is purpose made for the tough working conditions in the Glaze and Ceramics industries.

Example of VIPER spray gun part numbering:- VPR-XXX-YYC means...

- VPR = gun
- XXX = Air Cap
- YY = Tip and needle
- C = hard metal



Fan and air atomising air connection:	1/4 BSP female
Operating air connection:	1/8 BSP female
Fluid connection:	1/4 BSP female
Gun weight:	620 g, length 120 mm, width 45 mm, height 63 mm

NB: Viper is NOT recommended for use with solvent based materials.

Air cap and tip selection table (Conventional or Trans-Tech)

Part no	Tip diameter in mm									Technology
	0.7	0.85	1.2	1.4	1.6	1.8	2.0	2.2	2.8	
SPA-100-E31	■	■	■	■	■	■	■	■	■	Trans-Tech
SPA-100-E63						■	■			Conventional
SPA-100-E70								■	■	Conventional

E31 Air Cap (Trans-Tech) is designed for small to medium flow fluid rate applications with stainless steel "heart" hardened fluid tips. The E31 Trans-Tech Air Cap is fully compliant with European environmental legislation and is

designed to produce the best transfer efficiencies and material savings. E63 and E70 Air Caps (Conventional) are designed for higher fluid flow rates for use on sanitary ware and ceramic tiles etc.

AGN

AUTOMATIC SPRAY GUN FOR CERAMIC AND ENAMEL APPLICATIONS

- Needleless, diaphragm automatic spray gun
- Very Compact and lightweight
- High grade stainless steel and case hardened nitralloy steel Fluid Tips available
- For waterborne application.

AGN is a diaphragm operated automatic spray gun for use with ceramic glaze, vitreous enamels, liquid polishing compounds and similar materials. It is ideally designed for continuous applications such as ceramic tile manufacturing. It can also be used with solvent based coatings by fitting a PTFE protective diaphragm.



Example of AGN spray gun part numbering:- AGN-502-YYZ-XX means...

- AGN-502 = Gun
- YY = Tip size
- Z = Tip material
H = stainless steel
N = nitrided steel
- XX = Air cap

Air cap selection table

Part no	Tip code and diameter in mm										
	G 0.7	FX 1.1	FZ 1.2	FF 1.4	FW 1.6	E 1.8	EE 1.8	EX 1.8	DE 2.0	D 2.2	AC 2.8
AV-4239-30		■		■	■	■		■			
AV-4239-43				■	■	■		■			
AV-439-58		■	■	■	■	■			■		
MB-4039-62HD											■
MB-4039-64HD									■	■	
MB-4039-67HD							■				
MB-4039-78		■	■	■		■					
MB-4039-80				■	■	■		■			
AV-4239-186					■						
AV-4239-704	■	■		■		■					
AV-4239-705	■	■	■	■		■					
AV-4239-765	■	■	■	■		■					
AV-4239-777			■	■		■					
AV-4239-797			■	■		■					

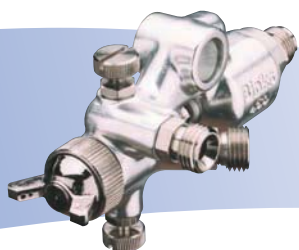
Air supply atomising	1/4" universal
Diaphragm	6 mm push-in tube connector
Coating material supply	3/8" universal
Weight	560 g

460

BINKS AUTOMATIC SPRAY GUN

- Aluminium alloy body with plated brass air nozzle
- Stainless steel needle valve and springs
- Gun operation and spray atomisation is controlled from a single air supply
- Control valves for atomisation fan and air flow
- No lag, instant piston controlled "on and off"
- Good range of nozzles for virtually any liquid coatings

The Binks 460 Automatic Spray Gun is a small precision gun designed with accuracy in mind, for ease of fitting to existing automatic and semi-automatic machine. Its small scale dimensions enable the gun to be installed neatly and at close quarters, where the standard range of automatics cannot be accommodated.



Air and fluid inlet 1/4" BSP Fluid passages aluminium

Air cap selection table (Conventional)

Part no. and code	Tip diameter in mm		
	0.5	0.75	1.0
200831 J92S			■
200833 J92P	■	■	■
200838 K92P		■	■

See page 57 for Service Kits.



AA4400M gun with AA10 HVLP air cap (Flat tip not included)
Part no: 0909-4400-10000E



AA4400M gun with Twist Tip cleaner and HVLP air cap (no tip)
Part no: 0909-4400-HT0000E



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

AA4400M

BINKS AIR ASSISTED AIRLESS HVLP MANUAL SPRAY GUN

AA4400M 2 4
by **BINKS®**

Binks Air Assisted Airless manual spray gun

The Binks AA4400M air assisted airless spray gun has been designed with the operator and environment in mind. This gun will handle the toughest spray jobs in all industrial markets whilst providing the best fit, feel and comfort operators demand. The spray gun is available with either HVLP or Trans-Tech® air caps operating at lower fluid and air pressures than competitors to achieve an exceptionally fine finish with superior paint savings and lower energy consumption.

Spray fan pattern is adjustable on the gun...

- Unique Trans-Tech or HVLP air caps provide a "Softer fine spray" for superior finish quality and higher transfer efficiency than competitors.

- Lightweight and Operator friendly design with lighter trigger pull tension
- Easy to remove "in-line" needle assembly for quick maintenance
- Adjustable needle packing and "balanced" air valve design
- Solid forged gun body for maximum durability and longer life
- Stainless steel fluid passages with tungsten carbide seats
- Gun handles Solvent and Waterborne coatings as standard
- Standard flat tip AND Twist tip cleaner available with a wide range of tips from .007" (0.18mm) to .035" (0.89mm).

Specification	
Air and fluid inlet thread	1/4" Universal (M)
Fluid passageways	Stainless steel
Gun weight	494 gm
Gun body	Forged aluminium
Max working pressure	303 bar (4400 psi)
Max air inlet pressure	6.8 bar (100psi)
Seat	Tungsten Carbide

Inline paint filter insert available in two sizes –
*60 mesh (kit of 5) pt. no. 54-5788-K5 and 100 mesh (kit of 5) pt. no. 54-5789-K5
*Fitted as standard with all guns.

Typical Applications

- Wooden Joinery and furniture
- Off road vehicles
- Aircraft
- Commercial vehicle chassis
- Skips and trailers.

AA4400M gun (only) part numbers	
0909-4400-10000E	AA4400M Air assisted airless gun with AA10 HVLP air cap, (Flat tip not included)
0909-4400-HF000E	AA4400M Air assisted airless hand gun with HVLP air cap, (Flat tip not included)
0909-4400-LF000E	AA4400M Air assisted airless hand gun with Trans-Tech air cap, (Flat tip not included)
0909-4400-HT000E	AA4400M Air assisted airless hand gun with Twist Tip cleaner and HVLP air cap (no tip)
0909-4400-LT000E	AA4400M Air assisted airless hand gun with Twist Tip cleaner and Trans-Tech air cap (no tip)

†Order tip separately.
The full range of premium tips, pre-orifice and twist tips for the AA4400M gun are detailed in the Product Euro Flyer and Service Bulletin.

Gun and Hose packages

- AA4400M-AA10-75 gun with flat tip assembly and tip
OR
AA4400M-75T gun with twist tip cleaner attachment and tip.

Gun and hose packages include: AA4400M Air Assisted Airless Spray Gun with air cap, tip and 7.5 metre Air/Fluid Hose for use with standard Binks pump outfits.



Raptor LITE Package includes:-

Binks MX4/32 Tripod Mounted Pump with gun air and pump fluid controls. Stainless Steel pick-up tube and filter. 7.5 metre Ultra light weight Air and Fluid Hoses. AA4400M* Spray Gun and Tip with gun mounted st st edge type fluid filter (optional gravity hopper).
(*Tip size to be specified at time of order)

See page 35 for details



See page 57 for Service Kits.



Airless 75 with External Stainless Steel Tube – Part Number 0811-7500-1



Airless 75 with Direct Connect Part Number 0811-7500-2

Airless 75M Direct Connect Part Number 0811-7500-3



AIRLESS A75

BINKS AIRLESS – THE PROFESSIONALS CHOICE

Binks Airless 75 Spray Guns for the toughest of spray jobs.

Operators will feel the difference when handling the lightweight Airless 75 gun thanks to the contoured handle design. The forged aluminium gun body is made to outlast the competition and will operate all the way up to 517 BAR (7500 psi) The unique needle design and extra wide stainless steel fluid passage-ways will accommodate everything from light stains to heavily bodied zinc rich paints. A wide range of high quality tungsten carbide twist tips are available to provide excellent atomisation and spray performance. Airless 75 Gun range includes a wide range of quality accessories to tackle all airless spray applications.

- Forged aluminium body for a long working life
- Two-finger trigger with Ergonomic handle to reduce operator fatigue
- Thick-walled stainless steel fluid tube for heavy and abrasive materials
- Exclusive needle design to keep spring out of the fluid path
- Adjustable needle packing for longer life
- Optional Heat guard (available for tube version) for heated applications up to 79°C (175°F).

Airless 75 Specifications	
Max Fluid Pressure:	7500 psi (517 BAR)
Gun Body:	Anodised Aluminium
Maximum Temperature:	175° F (79° C) (heat guard required)
Fluid Path:	Stainless Steel
Fluid Inlet:	1/4 NPS
Gun Weight:	660 g

Airless 75 Spray Tip Selection Chart – PART NUMBER 9-XXX-75 (Tips rated for use at 7500 psi)

All of the following tips will have a grey tip handle.

	4" spray (102 mm) pattern	6" spray (152 mm) pattern	8" Spray (203 mm) pattern	10" spray (254 mm) pattern	12" spray (305 mm) pattern	14" spray (355 mm) pattern
.007 (0.18 mm) orifice		307				
.009 (0.23 mm) orifice		309	409	509		
.011 (0.28 mm) orifice	211	311	411	511	611	
.013 (0.33 mm) orifice	213	313	413	513	613	713
.015 (0.38 mm) orifice	215	315	415	515	615	715
.017 (0.43 mm) orifice	217	317	417	517	617	717
.019 (0.48 mm) orifice			419	519	619	
.021 (0.53 mm) orifice			421	521	621	
.023 (0.58 mm) orifice				523	623	
.025 (0.64 mm) orifice				525	625	
.027 (0.69 mm) orifice					627	
.031 (0.79 mm) orifice					631	
.035 (0.89 mm) orifice			435		635	



Part no: A75-1-75
A75 gun with ST ST feed tube (0811 7500-1) with 7.5 m hose (3/8" hose bore) and twist tip



Part no: A75-2-75
A75 Direct Connect gun (0811 7500-2) with 7.5 m hose (3/8" hose bore) and twist tip



Part no: A75-3M-75
A75M Direct Connect (Heavy Materials) gun (0811 7500-3) with 7.5 m hose (3/8" hose bore) and twist tip

AA4400A

BINKS AIR ASSISTED AIRLESS HVLP AUTOMATIC SPRAY GUN

AA4400A 1 2 4
by BINKS®



Example of AA4400A spray gun part numbering:- AA44 X-YY-ZS means...

- AA44 = Model
- X = Recirculation
 - U = Base/no recirculation
 - H = Head recirculation
- YY = Air Cap
 - = Air controls
 - M = Manual control fitted
 - P = Manual controls removed and plugged
- S = Spray gun assembly
 - B = Spray head + base
 - G = Spray head only



Binks AA4400A is ideally suited for medium to high production multi-gun spray finishing lines. Binks AA4400A combines the best features of HVLP and Air Assisted Airless atomisation to provide a finely atomised "soft spray" to produce the very best spray finish with the highest possible transfer efficiencies, resulting in significant paint savings and compliance with the toughest EPA regulations. AA4400A is a highly sophisticated automatic AAA gun that can be detached from its mounting block in a few seconds via the simple hexagonal key release mechanism, for fast and easy maintenance and serviceability. This unique feature from Binks dramatically reduces production downtime. Binks AA4400A is ideally suited for multi-gun finishing equipment such as rotary machines, reciprocators, robots, fixed and chain-on-edge type systems located in medium to high production environments.

- "Quick detach" head from base for reduced downtime
- Unique air cap design produces "softer fine spray" for superior finishes

- Air cap has optional 15° indexing for precision finishing
- Adjustable "on gun" fan pattern controls
- St St gun head and fluid passages
- Fluid filter in gun head
- Manual or remote gun controls
- Tungsten carbide needle and seat
- Paint re-circ option in head or base plate.

The Best Atomisation and Paint Savings

The unique tip and air cap design of the Binks AA4400A automatic Air Assisted Airless HVLP Spray Gun uses lower fluid and air pressure than competitors guns to achieve exceptionally fine finishes with superior paint savings and lower energy consumption.

AA4400A is equipped with the AA10HP Air Cap (as standard)

Premium tip range : Part No. 114-XXXXX

Fan Width and Size	Approx Fan Width in/mm								
	2" / 51 mm	4" / 102 mm	6" / 152 mm	8" / 203 mm	10" / 254 mm	12" / 305 mm	14" / 356 mm	16" / 406 mm	18" / 457 mm
.007"/0.18 mm	00702	00704	00706	00708	-	-	-	-	-
.009"/0.23 mm	00902	00904	00906	00908	00910	00912	-	-	-
.011"/0.28 mm	-	01104	01106	01108	01110	01112	01114	-	-
.013"/0.33 mm	-	01304	01306	01308	01310	01312	01314	01316	-
.015"/0.38 mm	-	-	01506	01508	01510	01512	01514	01516	01518
.017"/0.43 mm	-	-	01706	01708	01710	01712	01714	01716	01718
.019"/0.48 mm	-	-	01906	01908	01910	01912	01914	01916	01918
.021"/0.53 mm	-	-	-	-	02110	02112	02114	02116	02118
.024"/0.61 mm	-	-	-	-	02410	02412	02414	02416	02418
.027"/0.69 mm	-	-	-	-	02710	02712	02714	02716	02718

	Thread	Pressure
Fluid inlet (1) & fluid recirculation (2)	1/4 NPS Female	Max 275 Bar / 4000 psi
Air inlet Atomising + Fan	1/4 BSP Female	Max 10 Bar / 145 psi
Cylinder/trigger (Cyl)	M5 Female	4 to 10 Bar / 60 to 145 psi
Maximum temperature in use	85° C / 185° F	
Spray gun weight	Complete gun assy 836 gm Gun head 469 gm Gun base assy 367 gm	
Gun body	Aluminium hard anodized	
Fluid passageway/Tip/Needle/Spray head/Base plate	Stainless steel 303 / 17-4 / Tungsten Carbide	
Fluid seals	Viton Extreme, Polyethylene	
Air Flow AA10 Air Cap	5.1 scfm (144 l/min) at 10 psi (0.69 Bar) Cap pressure	
Gun Filter size	100 micron, 150 mesh, 0.004"	

BINKS MODEL 550 SPRAY GUN

AIRLESS AUTOMATIC SPRAYGUN

2 4



For spraying protective coatings such as lacquers, enamels, water based emulsions, mould release agents and sound deadeners. Spray gun equipped with tip guard, stainless steel fluid passages and forged aluminium spray gun body. Actuating air pressure is 40-60 psi. The material body may be

installed in any of four positions to facilitate fluid hose connection. Spray tip not included, order separately. Mounting hole is 1/2" diameter, furnished with set screw. (Maximum operating pressure is 3000 psi).

Air Inlet	1/4" NPS (m)
Fluid Inlet	1/4" NPS (m)
Weight	680 gm

Part no: 6700-0000-5. Tip not included

See page 57 for Service Kits.



Electrostatic Spray Guns and Equipment...

Ransburg

Ransburg is the acknowledged global leader in the design, manufacture and marketing of manual and automatic electrostatic finishing products, providing spray finishing solutions to the key industrial and automobile manufacturing markets. Ransburg continues to refine the most efficient electrostatic spray painting technology, delivering a "Class A" finish to each and every customer's product, whilst reducing VOC emissions by providing excellent transfer efficiency and atomisation.

Binks, DeVilbiss and Ransburg are part of a global finishing group, focused on spraying and enhancing the sprayed finish of painted and coated surfaces.

Electrostatic Spraying (Manual Guns)

The Electrostatic technique can be applied to Air Spray, HVLP/ Compliant and Air Assisted Airless atomisation spray systems. Ransburg Electrostatic spray guns introduce a high voltage charge into the spray pattern which in turn adds the electrostatic charge into the atomised paint particles. The work-piece is earthed and the attraction between the atomised particles and the work-piece is strong enough to attract the paint/material onto the component with excellent "wrap" characteristics around the back of the work-piece.

Providing very high deposition rates with high transfer efficiency, resulting in greatly reduced paint usage compared to conventional methods in full compliance with worldwide VOC regulations.



Innovation and Technical Excellence

Research and Development

Huge resources are dedicated to research and development.

Ransburg work closely with the leading paint companies and specialists in surface coatings to ensure our equipment consistently provides the standard of finish our customers demand.

Technology Led Innovation

Vector SOLO cordless spray gun – Ransburg have reinvented the electrostatic spray gun with the introduction of the Vector SOLO manual spray gun by creating an applicator that operates by compressed air alone. Solo utilises an air driven alternator coupled to a high voltage cascade assembly that is used to generate the electrostatic charge internally, eliminating the need for an external power supply and cable.

This section depicts the all encompassing Ransburg range of manual and automatic electrostatic equipment and accessories for use on most industrial applications.

Applications

- Aircraft and Aerospace
- Commercial and off road vehicles including fork lift trucks
- Intricate metal components and wire frames
- Agricultural machines and machinery
- Trailer/Chassis
- Railway engines and carriages including rolling stock
- Trade Coaters
- General metal finishing, plus many others

Compatible Material/Coating Types

- Solvent and Water Based Paints and Materials
- Compliant/High Solids Coatings
- Twin Pack Materials (2K)
- Metallic Paint
- Lacquers
- Acrylic Paints and Primers
- Enamel Paints
- 2K Polyurethanes, plus many others.



The Ransburg Electrostatic Spray Gun that sprays anywhere without electric cables for improved mobility!

Ransburg the world's leading manufacturer of Electrostatic Spray Technology have re-invented the Electrostatic Spray Gun by creating a gun that operates by compressed air alone utilising an air driven alternator coupled to a high voltage cascade assembly that is used to generate the electrostatic charge internally, eliminating the need for an external power supply and cable. Ransburg have really "cut the cord" by improving paint atomisation, transfer efficiency, durability and operator comfort with greatly simplified controls that allow the operator to independently adjust the spray fan pattern, fluid flow and the electrostatic effect "on the gun" to give the best possible spray finish, and transfer efficiencies. A wide range of tips and air caps cover all industrial applications from intricate metal work to spraying an entire aircraft.

Ransburg SOLO for:-

- Cordless portability and convenience – No generators or controllers
- Simplified Electrostatic Spraying
- Best Atomisation, Transfer Efficiency and Operator Comfort
- Quick and easy to set up "Straight from the Box"
- Lower running costs and easy maintenance.

Vector Solo Typical Markets and Applications include...

The Aerospace Industry, General Metal Spraying, Commercial and Off-Road Vehicles, plus many others...



Unique internal air driven alternator provides the electrostatic POWER for Solo guns

SOLO 65KV

LOW PRESSURE AIR SPRAY

- Reduced Barrel Length... lightweight, user friendly design is easily handled
- Ransburg Aircaps... provide best in class atomisation and superior transfer efficiency
- Ergonomic Handle Contouring... proper palm engagement reduces the grip force required to hold the applicator over extended use
- Low Trigger Pull Force... reduces operator fatigue improving productivity
- Replaceable Cascade... cascades are easily replaceable at a lower cost than a combination barrel and potted cascade assembly

- Low Motor Speed... minimises the potential for vibration transmitted to the handle for a secure grip
- CE marked and fully ATEX approved.

The Vector Solo 65kV provides the superior atomisation of the original Vector Solo in a smaller, more compact design. Coupling Ransburg's electrostatic technology with a reduced gun size, the Vector Solo 65kV delivers high quality finishes as well as ease of use. Offering efficiency and portability in one gun, the Vector Solo 65kV is the effective and affordable solution for applying solvent based materials in your finishing operation.



Vector Solo 65 kV models available

79965 -

Air Hose Length

- 0 = No Air Hose (Gun-only)
- 1 = 10m (33ft)
- 2 = 15m (49ft)
- 3 = 20m (60ft)
- 4 = 30m (99ft)

Air Hose Type

- 0 = No Air Hose (Gun only)
- 1 = Standard Air Hose
- 2 = Standard Air Hose with Quick-Disconnect Fitting

Trigger Style

- 2 = Two-Finger Trigger

Fluid Tube Style

- 0 = Standard Fluid Tube, .093" ID x 3/8" OD
- 1 = Coiled Fluid Tube, .093" ID - Low Flow

Spray Technology

- 0 = Standard Spray, 65kV Air Cap, 1.4 mm Fluid Nozzle, #44
- 1 = Standard Spray, 65kV Air Cap, 1.8 mm Fluid Nozzle, #45
- 2 = Trans-Tech, 122kV Air Cap, 1.8 mm Fluid Nozzle, #245
- 3 = Round Spray

Specifications

Length	257 mm / 10.1 in
Weight	834 g / 29.4 oz
Hose Lengths	10 m, 15 m, 20 m, 30 m
Fluid Flow Capability	1000 ml/min
Operating Pressure	
Fluid	0-6.9 bar / 0-100 psi – nozzle / material dependant
Air	0-6.9 bar / 0-100 psi
Consumption	470 SLPM / 16.6 SCFM @ 2.8 bar / 40 psig @ the handle inlet

Electrical

Operating Voltage	65kV DC (-) Max
Current Output	130 Microamps Max
Paint Resistance	.1M Ohm to Infinity

SOLO 85KV SOLVENT / WATERBORNE LOW PRESSURE AIR SPRAY



Solo 85kV solvent version



Solo 85kV waterborne version

Solo (low pressure air spray) fluid tip range is from 0.028" (0.7mm) to 0.070" (1.8mm) with a choice of fan and round spray air caps.

Fluid Nozzle Selection Table

Order Number	Fan Width	Nozzle Material
79377-44	1.4 mm (.055 inch)	Standard Wear
79377-144	1.4 mm (.055 inch)	Extended Wear
79377-45	1.8 mm (.070 inch)	Standard Wear
79377-145	1.8 mm (.070 inch)	Extended Wear
79377-46	1.0 mm (.042 inch)	Standard Wear
79377-146	1.0 mm (.042 inch)	Extended Wear
79377-47	0.7 mm (.028 inch)	Standard Wear
79377-147	0.7 mm (.028 inch)	Extended Wear

Keeping with the Ransburg tradition, the Vector Solo Gun delivers superior electrostatic technology in a user-friendly model. With the Vector Solo, Ransburg offers a gun that is not only easy to use but provides best in class atomisation and transfer efficiency. This 85kV cordless gun has the extra electrostatic power to handle a wider range of materials than the 65kV. With enhanced portability for increased flexibility and movement. Designed to increase user comfort and reduce fatigue, the Vector Solo 85kV also leads to increased productivity for your operation. Ergonomic handle contouring provides the operator proper grip, making extended spray times easier with less fatigue. Requiring less force for trigger pulls and

minimising handle vibration, Vector Solo delivers better control and uniform applications. This versatile electrostatic applicator delivers convenience, consistency and accuracy. Available in either solventborne or waterborne models, the Vector Solo is sure to meet your operation's finishing needs.

- Cordless portability and convenience - no generators or controllers
- Superior atomisation and transfer efficiency
- Lighter weight with superior ergonomic balance
- Quick and easy to set up „straight from the box“
- Lower running costs and maintenance.

Specifications

Length	320mm / 12.6 in
Weight	solvent - 880g / 31.0 oz / water - 941g / 33.2 oz
Hose Lengths	10m, 15m, 20m, 30m
Fluid Flow Capability	1000 ml/min
Operating Pressure	
Fluid	0-6.9 bar / 0-100 psi nozzle / material dependant
Air	0-6.9 bar / 0-100 psi
Consumption	470 SLPM / 16.6 SCFM @ 2.8 bar / 40 psi @ the handle inlet

Electrical

Operating Voltage	85kV DC (-) Max
Current Output	130 Microamps Max
Paint Resistance	.1M Ohm to Infinity

SOLO AA90 85KV AIR ASSISTED AIRLESS



Solo AA90 for high pressure atomisation applications.

Solo AA90 has a tip range from 0.009" (0.23mm) to 0.021" (0.53mm) with a choice of fan and round spray caps.

The Vector Solo AA90 combines air-assisted airless technology with proven atomisation in a portable, cordless model. With superior Ransburg electrostatics, this gun delivers advanced spray pattern characteristics, unmatched pattern adjustability and extraordinary transfer efficiency. Enhanced spray pattern characteristics deliver a precise and consistent application. The Vector Solo AA's pattern adjustability allows the decrease of overall pattern size, improving accuracy and creating a uniform finish. Ransburg's best in-class atomisation also reduces overspray and paint waste for cost savings. Vector Solo's cordless design increases flexibility. Operators have a greater

range of movement to achieve consistent applications. The superior ergonomic balance improves user comfort and lessens fatigue for an increase in productivity.

Vector Solo AA's efficiency, convenience and versatility helps to lower your bottom line.

- Balanced Electrode Design... Provides the best transfer efficiency in the industry
- Easily Maintained... Modular design makes it easy to repair and replace components, (if needed)
- Single Turn Fan Pattern Adjustment... Reduces overall pattern size by 30%.

Specifications

Length	269mm / 10.6 in
Weight	973 g / 34.0 oz
Hose Lengths	10m, 15m, 20m, 30m
Fluid Flow Capability	1500 ml/min
Operating Pressure	
Fluid	0-206.8 bar / 0-3000 psi tip / material dependant
Air	0-6.9 bar / 0-100 psi
Consumption	470 SLPM / 16.6 SCFM @ 2.8 bar / 40 psi @ the handle inlet

Electrical

Operating Voltage	85kV DC (-) Max
Current Output	130 Microamps Max
Paint Resistance	.1M Ohm to Infinity

Fluid Tip Selection Table

Pattern width inches (mm)	5(127)	8(203)	10(254)	13(330)	15(381)	17(432)
Bore Ø inches (mm)	Part no. 79691-...					
0.009 (.23)	0509	-	1009	-	-	-
0.011 (.28)	0511	0811	1011	1311	1511	-
0.013 (.33)	0513	0813	1013	1313	1513	-
0.015 (.38)	-	-	1015	1315	1515	1715
0.018 (.46)	-	-	1018	1318	-	-
0.021 (.53)	-	-	1021	-	1521	-

Manual Electrostatic Spray Guns for all Low and High Pressure Applications
Reduced weight and trigger pull with improved ergonomics.

VECTOR R90 CASCADE SOLVENT / WATERBORNE

LOW PRESSURE AIR SPRAY

Vector R70 & R90 Cascade guns

How exactly did Ransburg make the Vector Cascade Gun even better? By listening to our customers; We reduced the gun's weight, increased durability, lightened the trigger pull, improved the finish and transfer efficiency and simplified the controls. Ransburg reduced the gun weight by a massive 24% which greatly improves operator comfort and reduces fatigue, which adds up to improved productivity and job satisfaction. Vector guns options are available for both waterborne or solvent based paints.

- Conventional air spray
- Reduced overspray - High transfer efficiency
- Modular design - Easy maintenance
- Highly manoeuvrable - Light trigger pull
- Operator friendly - Controls on the gun
- Rugged construction for durability 85kV sprays most types of fluid
- Gun has triple voltage set point adjustment on the gun and voltage on/off on the gun



Waterborne version



New 9060 power supply

Some Typical Applications

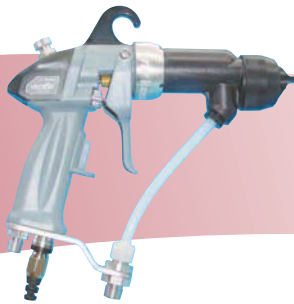
Model	Spray Technology	Domestic	Metal & Appliances	Wood Furniture	Tier 1 Car	Aerospace parts	High Voltage	Max kV Generator
R90*	Air Atomising - Low Pressure	■	■	■	■	■	Internal - Cascade	85
R70	Air Atomising - Low Pressure	■	■	■	■	■	Internal - Cascade	65
R90*	Air Atomising - Low Pressure	■	■	■	■	■	External - Classic	85
R70	Air Atomising - Low Pressure	■	■	■	■	■	External - Classic	65

* Waterborne versions are also available.

VECTOR R70 CASCADE

LOW PRESSURE AIR SPRAY

Vector R70 Cascade is a smaller, lighter version of the R90



Fluid Tips and Air Caps for all Vector Series low pressure guns

Fluid Tips	Air Caps
0.7 mm (0.028")	65 Conventional 98 Conventional 122 Trans-Tech
1.0 mm (0.042")	
1.2 mm (0.047")	
1.4 mm (0.055")	
1.8 mm (0.070")	
Round Spray	Round Spray

For detailed tip/cap range and application data see the appropriate Ransburg Vector service bulletin.

VECTOR R90 CLASSIC SOLVENT / WATERBORNE

LOW PRESSURE AIR SPRAY

Vector R70 & R90 Classic Guns

Ransburg Vector Classic Guns utilise "state-of-the-art" materials in the handle, barrel, trigger and air cap. Front to back and top to bottom, Vector Guns are tougher and more streamlined with better weight distribution for improved balance and ergonomics.

The Gun's controllers provide the operator with triple-set point voltage controls, plus power on and off, right on the gun. The microprocessor based control allows for data collection which can record the amount of paint used and parts painted.



Waterborne version

Vector Series data

Technical data	VECTOR R 70 solvent		VECTOR R 90 solvent		VECTOR R90 waterborne	
Spray gun model	Classic ¹	Cascade ²	Classic ¹	Cascade ²	Classic ¹	Cascade ²
Order number	79504	79501	79503	79500	79520	79523
Atomisation	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional
Length	24 cm	24 cm	27 cm	27 cm	27 cm	27 cm
Weight	555 g	650 g	620 g	735 g	620 g	735 g
Operating pressure air/fluid	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)
Tip voltage	65 kV	65 kV	85 kV	85 kV	85 kV	85 kV
Max current	140 µA	90 µA	140 µA	100 µA	140 µA	100 µA
Max fluid temperature	65°C	65°C	65°C	65°C	65°C	65°C
Max fluid delivery	1,000 ml/min	1,000 ml/min	1,000 ml/min	1,000 ml/min	1,000 ml/min	1,000 ml/min

High voltage supply ¹external / ²internal

VECTOR R70 CLASSIC LOW PRESSURE AIR SPRAY



The R70 is a very light and compact spray gun which can be used in 'very tight' application areas. Wrap around as well as transfer efficiency are excellent which results in significant paint savings.

Fluid Tips and Air Caps for all Vector Series low pressure guns

Fluid Tips	Air Caps
0.7 mm (0.028")	65 Conventional 98 Conventional 122 Trans-Tech
1.0 mm (0.042")	
1.2 mm (0.047")	
1.4 mm (0.055")	
1.8 mm (0.070")	Round Spray

For detailed tip/cap range and application data see the appropriate Ransburg Vector service bulletin.

VECTOR AA90 AIR ASSISTED AIRLESS



Vector AA90

Vector AA90 is a rugged, yet lightweight Spray Gun designed with the painter in mind.

The Gun combines superior air-assisted airless atomisation technology with powerful electrostatic features, all in one gun. This integration results in a comfortable, lightweight gun with superior spray pattern characteristics, unmatched 'on gun' fan pattern adjustability with extraordinary high transfer efficiencies. Vector AA90 is available with an extensive selection of air cap and fluid tip combinations to ensure optimum performance is achieved with the coating materials you are using today and in the future.

and able to spray solvent or waterborne coatings. You select the system most suited to your application.

- Classic - The perfect combination of lightweight and simplicity
- Cascade - Designed for those applications where "on the gun" control of electrostatic power output is desired
- "Triple set point" voltage control "on the Cascade gun"
- Spray fan adjustment "on the gun"
- Ultra Lightweight gun with reduced trigger pull tension means reduced operator fatigue
- Solvent and waterborne paint compatibility
- FM and ATEX/CE approved.

Electrostatic power with flexibility

The gun is available in classic or cascade technology



New 9060 power supply

Vector AA90 Technical Specification

Spray gun model	Classic	Cascade
Fluid pressure (max)	190 bar (2800 psi)	190 bar (2800 psi)
Atomisation	Air Assisted Airless	Air Assisted Airless
Length	29.2 cm	29.2 cm
Weight	708 g	793 g
Atomising air pressure (max)	6.8 bar (100 psi)	6.8 bar (100 psi)
Tip voltage	85 kV maximum	85 kV maximum
Max current	90 µA	90 µA
Max fluid temperature	65° C	65° C
Max fluid delivery	1,000 ml/min	1,000 ml/min

Tip Range: AA90

0.009" (.23 mm)
0.011" (.28 mm)
0.013" (.33 mm)
0.015" (.38 mm)
0.018" (.46 mm)
0.021" (.53 mm)

Ordering example:

79580-ABCDE

Gun Type

- 0 = Cascade
- 1 = Classic

Cable Length

- 0 = no cable
- 1 = 10 m (33 ft)
- 2 = 15 m (49 ft)
- 3 = 20 m (60 ft)
- 4 = 25 m (83 ft)
- 5 = 30 m (99 ft)

Trigger Style

- 2 = Two-Finger Trigger
- 4 = Four-Finger Trigger

Control Unit

- 0 = No Control Unit
- 1 = With Control Unit 110/120 VAC
- 2 = With Control Unit 220/240 VAC

Fluid Hose

- 0 = No Fluid Hose
- 1 = 11 m (33 ft)
- 2 = 15 m (49 ft)
- 3 = 23 m (75 ft)
- 4 = 30 m (99 ft)

Fluid Tip

- 0 = 85 kV Barrel Assembly, Cascade AA90, 0811 Carbide Tip without preorifice
- 1 = 85 kV Barrel Assembly, Cascade AA90, 0813 Carbide Tip without preorifice
- 2 = 85 kV Barrel Assembly, Cascade AA90, 1011 Carbide Tip without preorifice
- 3 = 85 kV Barrel Assembly, Cascade AA90, 1015 Carbide Tip without preorifice

Improved electronic control

The Vector control unit offers the operator 'triple set point' voltage control, plus power on and off, right on the cascade gun. This microprocessor based control allows for data to be collected. This data can then be used to correlate the amount of paint used and parts painted. The illuminated LED display on the control unit is visible at distances of up to 15 metres. External controls can be connected via the integrated connection terminals. Optional multi-position mounting brackets are available.



Models

- **9060 HV1:** used with the Evolver SE Automatic Gun or Aerobell 168 Rotary Atomizer
- **9060 HV2:** used with the No. 2 Manual Gun
- **9060 HV3:** used with the Ransburg Classic style Manual Guns; Vector R70, Vector R90 (water or solvent),
- **9060 LV3:** Cascade style power supply used with Vector R70, Vector R90 (water or solvent) and Vector AA (air-assisted airless) manual guns.

NO 2 HAND GUN
PURE ELECTROSTATIC ROTARY ATOMISATION

- "Pure" electrostatic atomisation - highest transfer efficiency
- Tried and tested technology
- Almost no overspray
- 90kV sprays most types of paints and fluids
- "Mobile" outfits available
- 3 bell sizes for all industrial applications
- Air turbine bell rotation.

Length	500 mm
Weight	1250 g

Operating pressure:	
Tip voltage	90 kV (max)
Current	120 µA (max)

Atomiser Bell sizes and Fluid delivery:	
70mm	(2¾") bell = 90 ml/min
100mm	(4") bell = 120 ml/min
180mm	(6") bell = 180 ml/min



9060 HV2

The Ransburg No. 2 gun is the only choice for on-site finishing and the No. 2 electrostatic atomisation spray technology is exclusive to Ransburg. The No. 2 gun offers a superb wrap around and an incredible transfer efficiency of between 95% and 98%.

Recommended Application: On-site furniture refinishing and wrought iron.



ESTAQUICK AUTOMATIC
LOW PRESSURE AIR SPRAY

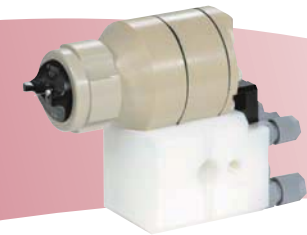
- Gun fits Automatic/Traversing machines
- High output paint flow capability (up to 1000cc/minute)
- Single OR twin pack (2K) material compatibility
- Independent control of Atomising air, Fan air and Operating air
- Guaranteed spray repeatability - Estaquick Air Caps are accurately located onto the Gun Head to provide consistent spray repeatability

- Quick disconnect fluid tip (¼ turn bayonet type).

The Estaquick is a quick disconnect electrostatic air atomising spray gun. The spray head is manufactured in Peek material to make it robust and compatible for most paint materials. The gun disconnects for service in less than 5 seconds thanks to an easy 90° turn mounting bracket.

Specification

Length	125 mm
Weight	245 g
Operating pressure air	7 bar
Operating pressure fluid	7 bar (max)
Tip voltage	100 kV (max)
Current	200 µA (max)
Fluid delivery	1.000 ml/min (max)
High voltage supply	Classic



AEROBELL

- Optimum charging of the atomise coating regardless of its electrical conductivity
- Improved pattern control and coating penetration into recessed areas
- Handles all of today's paints, including waterborne and even 100% solid materials
- Fast bell cleaning and quick colour changes
- All external components are constructed of solvent resistant engineered materials to ensure mechanical strength, easy cleaning and non-incendive operation

- Improved operating safety and longer service life even when applying corrosive or erosive paints.

The Aerobell is a high speed rotary atomiser which provides excellent transfer efficiency with superior atomisation and the applicator's air bearing turbine provides long life and reliability. The Aerobell handles all of today's paints, including waterborne and even 100% solids (solvent free) materials. The Aerobell is the answer to upgrading your existing bell installation to enhance its safety and performance.

Specification

Length	260 mm
Weight	5.100 g
Operating pressure fluid	10.3 bar (max)
Bearing air pressure	4.1 – 6.8 bar
Turbine air pressure	0.1 – 3.1 bar
Shaping air pressure	6.8 bar (max)

Break air pressure	6.8 bar nominal
Fluid delivery	500 ml/min
Voltage	100 kV (max)
Pattern size	800 mm (max)
Turbine speed	60.000 rpm (max)



9060 HV1

AQUAPACK SYSTEMS

4



Aquapack high pressure system

Aquapack provides a safe operating system to apply most waterborne materials with the great atomisation and paint savings provided with Ransburg Spray Guns. Ransburg Aquapack's have been specially developed for the safe handling, storage, and supply of water based (high conductivity) paints with Ransburg Electrostatic Spray Guns. High and low pressure versions are available for use with Vector R90 (low pressure) and Vector AA90 (high pressure) spray guns. The entire paint supply and electrostatic control system is housed in a portable Polyethylene cabinet which provides safe handling of W.B. materials.

Unique safety feature:

The unit is automatically discharged to earth when the trigger on the gun is released and/or when the cabinet door is opened. These features also deactivate the Electrostatic High voltage during routine cleaning and colour changing.

- Handles most waterborne materials
- Low and high pressure outfits available
- Easy to operate and safe
- Completely assembled, tested and ready for use
- Mobile and easy to clean
- CE approved

Note: Aquapack systems can also be used with Solo guns.



Aquapack low pressure system

Technical Data	High Pressure/Air Assisted Airless	Air Atomising Low Pressure
Gun	Vector AA90 classic	Vector R90 Classic
Air Pressure	6.9 bar	6.9 bar
Fluid pressure	193 bar (max)	7 bar (max)
Tip voltage	50 kV (max)	85 kV (max)
Current	90 µA (max)	100 µA (max)
Fluid delivery	1.000 ml/min (max)	1.000 ml/min (max)
Pump ratio	32:1	1:1
Paint delivery pump	4,3 l/min (max)	9 l/min (max)
Material	ST ST	Aluminium, anodised
Cabinet height	1.643 mm	1.400 mm
Cabinet width	700 mm	700 mm
Cabinet depth	500 mm	500 mm
Weight	130 kg	100 kg

TURBODISC

4



- Handles a wide variety of coatings
- Produces excellent finish uniformity and quality
- Delivers highest transfer efficiency
- Reduces overspray, cleanup and waste disposal
- Reduces VOC emissions and booth exhaust requirements
- Saves labour, energy and materials
- Lowers maintenance requirements.

The Turbodisc rotary paint applicator delivers better atomisation, improved quality and higher transfer efficiency with any of the wide variety of coating materials used in today's production finishing operations. The Turbodisc applicator can be installed as the heart of a new automated system or easily retrofitted to older style, low speed disc systems.

TEST EQUIPMENT

4

MULTIFUNCTION ELECTROSTATIC METER

The multi-function electrostatic spray meter uses one meter to serve multi functions in electrostatic spray finishing. The meter can be used to measure conductivity, paint resistance, short circuit current, resistance and high voltage. The meter is available in individual kits focused on each function or a deluxe kit, which includes accessories to perform extra functions.



Part no: 76652-03



Pump and Fluid Handling Equipment...

BINKS®

Manufactures high and low pressure fluid handing pumps, low and high pressure manual and automatic spray guns, accessories, airless and air assisted airless spray painting outfits, regulators, pressure feed tanks, 2K plural component systems and paint circulating systems for the industrial finishing and automobile manufacturing markets. A pioneer in spray finishing technology which includes the development and introduction of the world's first "stand alone" HVLP spray guns.

Binks, DeVilbiss and Ransburg are part of a global finishing group, focused on spraying and enhancing the sprayed finish of painted surfaces.

Binks – years of experience manufacturing the worlds best paint pumps

No other company has more experience and expertise in paint pump technologies used in reciprocating and diaphragm pumps. Binks pumps are not adapted from pumps made for other applications. The pump is at the heart of the paint delivery system, it has to work on demand whenever the spray gun is triggered to deliver smooth surge free paint for the application process.

Confirmed reliability

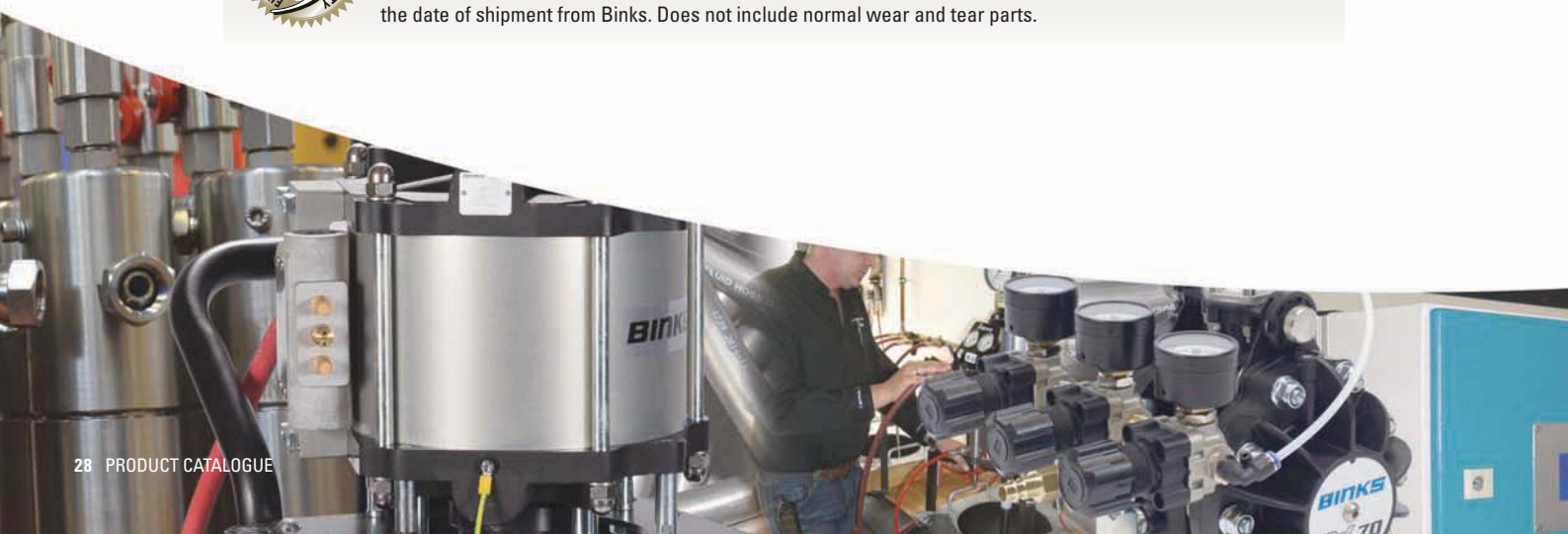
We work closely with the leading paint manufacturers to continually evaluate new designs and materials and research customer requirements to develop and improve our pump range.

It is this special understanding and dedication to engineering excellence that makes Binks pumps the first choice for industrial markets worldwide.



BINKS MX, DX AND MAPLE SERIES 5-YEAR WARRANTY

Binks® warrants to the original end-use purchaser that the Binks branded products "MX", "DX" and "Maple" shall not fail under normal use and service due to a defect in material or workmanship within five (5) years from the date of shipment from Binks. Does not include normal wear and tear parts.



Innovation and Technical Excellence

Plural Component 2K

Binks Magic-Flow is the easy and precise electronically controlled fluid handling plural component mixing system for all types of spray applications with guaranteed accuracy, reliable mixing and metering of two and optional three component materials. Designed as a "Plug and Spray" machine, the Magic-Flow is the best system to ensure repeatability whilst complying with the toughest EPA legislation. Magic-Flow can be utilised with the Binks range of low or high pressure paint pumps along with Binks, DeVilbiss and Ransburg Spray Guns.

A wide range of fluid handling products, air controls and accessories

The reputation for outstanding reliability and performance is confirmed by the wide ranging industries worldwide that always specify Binks fluid handling products and DeVilbiss air regulator/filters and breathing systems and accessories. Each product has a proven operating pedigree with minimum maintenance and easy parts replacement. They are engineered to exacting standards from the finest materials including the highest grade Stainless Steel for total compatibility with the difficult to handle and water based materials. We leave nothing to chance, which is why we have our own dedicated Spray Booth filter media factory in Scotland.

The Binks and DeVilbiss products depicted in this section of the catalogue include; Air and Fluid Regulators, Operator Air Fed Visors, Air and Fluid Hoses, Pressure Feed Tanks, Paint Agitators and Spray Booth Filter Paper.

Applications

- Aircraft and Aerospace Industry
- Agricultural and Farming Machinery
- Defence and Military Fighting Vehicles
- Furniture, Woodworking and Joinery
- General Industry
- Leather Goods and Shoe Makers
- Marine and Boating Industry
- Off-road Vehicles and Fork Lift Trucks
- Rail and Transport
- Ship Building and Shipyards
- Truck and Bus
- Trailer/Chassis, plus many others.

Compatible Material/Coating Types

- Solvent and Water Based Materials
- Compliant/High Solids Coatings
- Adhesives
- Primers, Enamels and 2K Polyurethanes
- Fillers, Sealers and Lacquers
- Cellulose
- Pre-catalysed
- Acid Catalysed
- U.V. Curing Sealers and Topcoats
- Stains and Varnishes
- Release Agents
- Twin Pack Materials (2K)
- Anti-corrosive paints, plus many others.





BINKS MX
HIGH PRESSURE PAINT PUMPS

Binks MX Pumps are a completely new design in pump technology utilising patented magnetic detents to dramatically enhance smooth pump operation and change-over with no pulse to provide the best “surge free” paint delivery for the perfect finish.

These MX pumps operate at 12:1, 31:1, 32:1, 35:1, 60:1 and 70:1 ratio’s with self adjusting spring loaded packings to extend the pump working life cycle and reduce the need for costly maintenance and

downtime. The fluid sections and all wetted parts are constructed from the highest quality Stainless Steel for best fluid compatibility whilst providing a long and durable working life. MX pumps are fitted with an operator friendly control panel and include a quality easy to clean fluid filter as standard for reduced tip blockages.



MX Pump features include:

- Magnetic detent (patent) for quick stroke change over with no pulse
- Fully Stainless Steel wetted parts and fluid section
- Anti-stall no ice design
- Large sight glass for visual packing inspection
- Solvent cup keeps packings well lubricated
- Self adjusting spring loaded packings
- Divorced pump design – zero potential for paint to enter air motor
- Durable design for heavy duty long working life
- 5 year pump warranty (workmanship and materials)
- CE marked and fully ATEX approved.

Quality Passport for Binks MX-Pumps:

Modular construction – Reduced parts – Easy/Fast maintenance – Guaranteed high performance

- All wetted parts are Stainless Steel – Ideal for use with solvent & water based paints/materials
- Fixed, spring tension packings – Lower maintenance and reduced running costs
- All valve seats are Tungsten Carbide – Long durable working life
- Piston is ultra-hard Chrome plated – Extra wear resistant and longer packing life
- Stainless Steel fluid filter inc. N.R. Valve – Prevents material blockages at the gun tip
- Standard pump packings PTFE/UHMWPE (other options are available)
- CE marked and ATEX approved for all applications.

MX4/12 – Airless & Air Assisted Airless Packages

SPECIFICATION	
Ratio	12:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	1.4 l/m
Flow Rate Max.	4.0 l/m
Volume/Cycle	24 cm ³
Max. Operating Pressure	96 bar (1390 psi)
Cylinder Diameter	55 mm
Piston Stroke	75 mm
Air Consumption	62.5 l/min

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed.

2 4



Gravity feed option.



MX4/12 D-AC – tripod mounted AAA outfit

MX4/32 – Airless & Air Assisted Airless Packages

SPECIFICATION	
Ratio	32:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	1.4 l/m
Flow Rate Max.	4.0 l/m
Volume/Cycle	24 cm ³
Max. Operating Pressure	256 bar (3712 psi)
Cylinder Diameter	85 mm
Piston Stroke	75 mm
Air Consumption	147 l/min

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed..

2 4



Gravity feed option.



MX4/32 C-AC – cart mounted AAA outfit

HIGH PRESSURE PAINT PUMPS



MX12/12 W-AC – wall mounted AAA outfit

MX12/12 – Airless & Air Assisted Airless Packages

2 4

SPECIFICATION	
Ratio	12:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	4.3 l/m
Flow Rate Max.	12.0 l/m
Volume/Cycle	72 cm ³
Max. Operating Pressure	96 bar (1390 psi)
Cylinder Diameter	85 mm
Piston Stroke	75 mm
Air Consumption	147 l/min

Mounting types available: Cart and wall.



MX12/31 C-AC – cart mounted AAA outfit

MX12/31 – Airless & Air Assisted Airless Packages

2 4

SPECIFICATION	
Ratio	31:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate Nominal	4.3 l/m
Flow Rate Max.	12.0 l/m
Volume/Cycle	72 cm ³
Max. Operating Pressure	248 bar (3596 psi)
Cylinder Diameter	140 mm
Piston Stroke	75 mm
Air Consumption	498 l/min

Mounting types available: Cart and wall.

Guns and hoses are not included in these packages: Select gun/hose packages on page 34.



Choose the Binks MX Pump Outfit for your application from the chart below:

Binks MX Pump outfit Contents and Part Numbers	MX 4/12 D-AL	MX 4/12 C-AL	MX 4/12 W-AL	MX 4/12 DB-AL	MX 4/12 P-AL	MX 4/12 D-AC	MX 4/12 C-AC	MX 4/12 W-AC	MX 4/12 DB-AC	MX 4/12 P-AC	MX 4/32 D-AL	MX 4/32 C-AL	MX 4/32 W-AL	MX 4/32 DB-AL	MX 4/32 P-AL	MX 4/32 D-AC	MX 4/32 C-AC	MX 4/32 W-AC	MX 4/32 DB-AC	MX 4/32 P-AC	MX 12/12 C-AL	MX 12/12 W-AL	MX 12/12 C-AC	MX 12/12 W-AC	MX 12/31 C-AL	MX 12/31 W-AL	MX 12/31 C-AC	MX 12/31 W-AC	
MX 4/12 Bare Pump	■	■	■	■	■	■	■	■	■	■																			
MX 4/32 Bare Pump											■	■	■	■	■	■	■	■	■	■									
MX 12/12 Bare Pump																						■	■	■	■				
MX 12/31 Bare Pump																										■	■	■	■
High pressure filter assy St St	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Pail Mounted					■					■					■					■									
Tripod Mounted	■			■		■			■		■			■		■			■										
Cart Mounted		■				■					■					■					■		■			■		■	■
Wall Mounted			■					■					■					■				■		■		■		■	■
Airless controls	■	■	■	■	■						■	■	■	■	■							■	■			■	■	■	■
Air Assisted Airless controls						■	■	■	■	■						■	■	■	■	■	■			■	■		■	■	■
St St metal suction pipe/filter	■				■	■			■	■					■	■					■	■	■	■	■	■	■	■	■
Flexible suction hose assy & filter		■	■				■	■				■	■				■	■											
Gravity Hopper (6 litre)				■					■					■					■										

Binks MX pump outfits are fully assembled, tested and ready to spray – Guns and hoses are NOT supplied with these packages – Select gun/hose packages on page 34.



MX22035PU-SAH-CAC – cart mounted AAA outfit

Binks MX35/35 – Airless & Air Assisted Airless Packages

2 4

Pump Specification	MX 35/35
Ratio	60:1
Max. Inlet Pressure	5.0 bar (72.5 psi)
Flow Rate @ 15 cycles (continuous)	3.3 l/min
Flow Rate @ 30 cycles (intermittent)	6.6 l/min
Volume/Cycle	220 ml
Max. Fluid Pressure	300 bar (4350 psi)
Cylinder Diameter	260 mm
Piston Stroke	127 mm
Noise Level	*80 dB(A)
Air Consumption @ 20 cycles/min	1498 l/m (52.9 SCFM)

*Noise level recorded whilst pump was running at 80psi (5.5 BAR) @ 10 cycles per minute.



Binks MX35/60 – Airless Packages

2 4



MX22060PU-SAH-WAL – wall mounted Airless outfit

Pump Specification	MX 35/60
Ratio	60:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate @ 15 cycles (continuous)	3.3 l/min
Flow Rate @ 30 cycles (intermittent)	6.6 l/min
Volume/Cycle	220 ml
Max. Fluid Pressure	480 bar (6960 psi)
Cylinder Diameter	260 mm
Piston Stroke	127 mm
Noise Level	*80 dB(A)
Air Consumption @ 20 cycles/min	1985 l/m (70.1 SCFM)

*Noise level recorded whilst pump was running at 80psi (5.5 BAR) @ 10 cycles per minute.

Binks MX35/70 – Airless Packages

2 4



MX19070PU-SAK-CAL – cart mounted Airless outfit with optional bull bar hose bracket and quick knock off valve

Pump Specification	MX 30/70
Ratio	70:1
Max. Inlet Pressure	7.0 bar (101.5 psi)
Flow Rate @ 15 cycles (continuous)	2.85 l/min
Flow Rate @ 30 cycles (intermittent)	5.7 l/min
Volume/Cycle	190 ml
Max. Fluid Pressure	490 bar (7105 psi)
Cylinder Diameter	260 mm
Piston Stroke	127 mm
Noise Level	*80 dB(A)
Air Consumption @ 20 cycles/min	1792 l/m (63.3 SCFM)

*Noise level recorded whilst pump was running at 80psi (5.5 BAR) @ 10 cycles per minute.

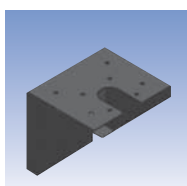
Guns and hoses are not included in these packages: Select gun/hose packages on page 34.



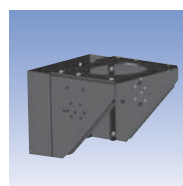
BINKS MX Pump Outfit contents and part numbers

	MX22035PU-SAH-CAL	MX22035PU-SAH-WAL	MX22035PU-SAH-CAC	MX22035PU-SAH-WAC	MX22060PU-SAH-CAL	MX22060PU-SAH-WAL	MX19070PU-SAH-CAL	MX19070PU-SAH-WAL
Bare Pump MX 35/35 (60:1 ratio / 220 cc/cycle)	■	■	■	■				
Bare Pump MX 35/60 (60:1 ratio / 220 cc/cycle)					■	■		
Bare Pump MX 30/70 (70:1 ratio / 190 cc/cycle)							■	■
High Pressure Filter Stainless Steel	■	■	■	■	■	■	■	■
Cart Mounted	■		■		■		■	
Wall Mounted		■		■		■		■
Airless Controls	■	■			■	■	■	■
Air Assisted Airless Controls			■	■				
Flexible suction hose assembly with 30 MESH strainer	■	■	■	■	■	■	■	■

MX Pump Outfit Accessories



Wall Bracket



Wall Bracket

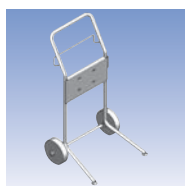
Part Number	Description	Pump
0115-010179	Wall Bracket	MX4/12 - MX4/32 - MX12/12 - MX12/31

Part Number	Description	Pump
104095	Wall Bracket	MX35/35 - MX35/60 - MX30/70

HIGH PRESSURE PAINT PUMPS

MX Pump Outfit Accessories - continued

2 4



Cart Assembly

Part Number	Description	Pump
0115-010186	Cart Assembly	MX4/12 - MX4/32 - MX12/12 - MX12/31



Cart Assembly

Part Number	Description	Pump
104084	Cart Assembly	MX35/35 - MX35/60 - MX30/70



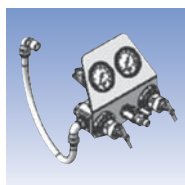
Tripod Assembly

Part Number	Description	Pump
0115-010100	Tripod Assembly	MX4/12 - MX4/32 - MX12/12 - MX12/31



Lubricating Oil

Part Number	Description	Pump
0114-016099	Water Based 0.25 l	All MX Pumps
0114-016100	Solvent Based 0.25 l	All MX Pumps
0114-014871	Water Based 0.5 l	All MX Pumps
0114-009433	Solvent Based 0.5 l	All MX Pumps



Air Controls

Part Number	Description	Pump
0115-010180	Air Controls – AAA	MX4/12 - MX4/32 - MX12/12 - MX12/31
0115-010198	Air Controls – Airless	MX4/12 - MX4/32 - MX12/12 - MX12/31



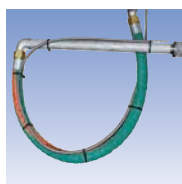
Air Regulator

Part Number	Description	Pump
MXA-C13ALM5	Air Control regulator filter – Airless	MX35/35 - MX35/60 - MX30/70
MXA-C13ACM5	Air Controls – Airless	MX35/35 - MX35/60 - MX30/70



Fluid Filter

Part Number	Description	Pump
0110-009130	Type 3	MX4/12 - MX4/32 - MX12/12 - MX12/31
0110-011760	Type 11	MX4/12 - MX4/32 - MX12/12 - MX12/31



Suction Hoses

Part Number	Description	Pump
0115-010236K	Suction Hose - 20 l 20 mesh	MX4/12 - MX4/32 - MX12/12 - MX12/31
0115-010381	Suction Hose - 200 l 20 mesh	MX4/12 - MX4/32 - MX12/12 - MX12/31
0115-010106	Tripod Inlet Tube 16 mesh	MX4/12 - MX4/32
MXA-S25ME30	Suction Hose - 25 l 30 mesh	MX35/35 - MX35/60 - MX30/70
MXA-S210ME30	Suction Hose - 210 l 30 mesh	MX35/35 - MX35/60 - MX30/70

Silencer

Part Number	Description	Pump
192509	Silencer	MX35/35 - MX35/60 - MX30/70



Hose Storage Bracket

Part Number	Description	Pump
193381	Optional hose storage bracket for cart and wall assembly	MX35/35 - MX35/60 - MX30/70



Airless Hoses

Part Number	Description	Pump
H-5850	1.8m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/35 - MX35/60 - MX30/70
H-5851	1m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/35 - MX35/60 - MX30/70
H-5852	15m Airless hose assembly 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/35 - MX35/60 - MX30/70
H-5853	15m Airless hose assembly 3/8" bore with 3/8" NPS connectors (500 BAR)	MX35/35 - MX35/60 - MX30/70
74-0111	1/4" x 1/4" D.M nipple to join 2 x 1/4" NPS HP hoses	MX35/35 - MX35/60 - MX30/70
74-0121	1/4" x 3/8" D.M nipple to join 1/4" NPS x 3/8" NPS HP hoses	MX35/35 - MX35/60 - MX30/70



BINKS RAPTOR MAX
AIR ASSISTED AIRLESS AND AIRLESS SPRAY PACKAGES



MX-1231C-AAA Raptor MAX cart mounted outfit with gun, tip and hoses

- Five Year pump warranty
- Magnetic detent design (patent) for quick stroke change over with no pulse or surge
- Stainless Steel system – pump and gun
- Low cost spray tip replacement
- Modular design for reduced maintenance and down time
- Lower cost spares prices
- Self adjusting spring loaded packings
- Large sight glass for visual packing inspection.

The Binks Raptor MAX range of tripod, cart and wall mounted spray packages feature the Binks Stainless Steel MX Pump line equipped with the Binks AA4400M Air Assisted Airless Spray Gun or Binks A75 Airless Spray Gun. The Raptor MAX outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of industrial coatings and providing the very best quality of spray finish.

Specifications

MX4/12 Ratio 12:1	4 litre per min max fluid delivery	Max operating pressure 96 bar
MX4/32 Ratio 32:1	4 litre per min max fluid delivery	Max operating pressure 256 bar
MX12/31 Ratio 31:1	12 litre per min max fluid delivery	Max operating pressure 248 bar

For further technical specification details please refer to relevant pump service bulletin



Five year warranty on workmanship and materials on all Binks MX pumps

Raptor MAX Packages include:-

- Binks MX Pump – Cart, Wall or Tripod mounted
- Air and Fluid controls
- 25 litre Suction Hose (Cart and Wall)
- 7.5 metre (25') Air (AAA only) and Fluid Hoses
- H.P. Fluid Filter
- AA4400M* or A75 (2 trigger) Airless Spray Gun and Tip (*Tip size to be specified at time of order)
- Gun mounted Fluid Filter.



MX-0432T-AAA Raptor MAX tripod mounted outfit with gun, tip and hoses

Part Number	Mounting type	Technology	Ratio	1 off Gun	Hoses	Tip (inc)
MX-0412T-AAA	Tripod	AAA	12:1	AA4400M	7.5M	Yes
MX-0412C-AAA	Cart	AAA	12:1	AA4400M	7.5M	Yes
MX-0412W-AAA	Wall	AAA	12:1	AA4400M	7.5M	Yes
MX-0412T-A	Tripod	Airless	12:1	A75	7.5M	Yes
MX-0412C-A	Cart	Airless	12:1	A75	7.5M	Yes
MX-0412W-A	Wall	Airless	12:1	A75	7.5M	Yes
MX-0432T-AAA	Tripod	AAA	32:1	AA4400M	7.5M	Yes
MX-0432C-AAA	Cart	AAA	32:1	AA4400M	7.5M	Yes
MX-0432W-AAA	Wall	AAA	32:1	AA4400M	7.5M	Yes
MX-0432-CB-AAA-PP*	Cart	AAA	32:1	AA4400M	7.5M	Yes
MX-0432-WB-AAA-PP*	Wall	AAA	32:1	AA4400M	7.5M	Yes
MX-0432T-A	Tripod	Airless	32:1	A75	7.5M	Yes
MX-0432C-A	Cart	Airless	32:1	A75	7.5M	Yes
MX-0432W-A	Wall	Airless	32:1	A75	7.5M	Yes
MX-1231C-AAA	Cart	AAA	31:1	AA4400M	7.5M	Yes
MX-1231W-AAA	Wall	AAA	31:1	AA4400M	7.5M	Yes
MX-1231C-A	Cart	Airless	31:1	A75	7.5M	Yes
MX-1231W-A	Wall	Airless	31:1	A75	7.5M	Yes

Note: Only these Raptor MAX outfits include guns & hoses as standard.

*Complete with 6L gravity hopper.



MX-1231W-AAA Raptor MAX wall mounted outfit with gun, tip and hoses



Raptor MAX outfits include AA4400M OR A75 spray guns



Gun and hose packs



See pages 17 and 18
for air assisted airless and airless guns with hose packages.

HIGH PRESSURE OUTFITS

BINKS RAPTOR LITE
32:1 AIR ASSISTED AIRLESS SPRAY PACKAGE



MXL-0432T-AAA-PU Raptor LITE tripod mounted outfit with gun, tip and hoses



MX-0432T-AAA-PU Raptor MAX tripod mounted outfit with gun, tip and hoses



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

- Five Year pump warranty
- Magnetic detent design (patent) for quick stroke change over with no pulse or surge
- Stainless Steel system – pump and gun
- Air assisted airless gun provides latest atomisation technology
- Modular design for reduced maintenance and down time
- Self adjusting spring loaded packings with large sight glass for visual packing inspection
- Manufactured to ISO9001, CE Marked and fully ATEX approved.

The Binks Raptor LITE spray packages feature the Binks Stainless Steel MX 4/32 high pressure pump with Binks AA4400M Air Assisted Airless Spray Gun. Raptor LITE outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of industrial coatings whilst providing the very best quality of spray finish.

Specifications

MX4/32 Pump	
Ratio	32:1
Max. Inlet Pressure	8.0 bar (120 psi)
Flow Rate Nominal	1.5 l/m
Flow Rate Max.	4.0 l/m
Volume/Cycle	24 cm ³
Max. Operating Pressure	256 bar (3600 psi)
Cylinder Diameter	85 mm
Piston Stroke	75 mm
Air consumption at	20cycles/min - 201 l/min

AA4400M Gun Specification	
Air and fluid inlet thread	1/4" Universal (M)
Fluid passageways	stainless steel
Gun weight	570 gm
Gun body	forged aluminium
Max working fluid pressure	303 bar (4400 psi)
Max air inlet pressure	6.8 bar (100 psi)
Seat	tungsten carbide
Stainless Steel Inline paint filter	100 mesh



Pt. No. 0909-4400-10000E AA4400M AAA GUN with AA10 Air Cap



Premium fine finish and twist tip range available

Standard pump packings PTFE/UHMWPE (other options are available – select from the MX pump service bulletin).



LOW PRESSURE PAINT PUMP

MX12/05 – Low Pressure Paint Pump

2 4



MXL1205PU

SPECIFICATION	
Ratio	4.8:1
Max. Inlet Pressure	8.0 bar (116 psi)
Flow Rate	4.3 l/m
Flow Rate Nominal	0.72 l/m
Volume/Cycle	72 cc
Max. Fluid Pressure	38.4 bar
Cylinder Diameter	55 mm
Piston Stroke	75 mm
Air Consumption	62.5 l/min max

Mounting types available: Cart and wall.

Binks MX 1205 Pump Contents and Part Number	MXL1205PL	MXL1205PU	0015L-1205-AC-PL-R	0015L-1205-AC-PU-R	0015L-1205-AC-PL	0015L-1205-AC-PU	0015L-1205W-AC-PL-R	0015L-1205W-AC-PU-R	0015L-1205W-AC-PL	0015L-1205W-AC-PU
MX 1205 Bare Pump	■	■	■	■	■	■	■	■	■	■
Fluid Regulator			■	■			■	■		
Suction Hose Assembly							■	■		
Air Controls			■	■	■	■	■	■	■	■
Cart Mounted			■	■						
Wall Mounted							■	■	■	■
			Cart Mounted				Wall Mounted			

MAPLE PUMPS

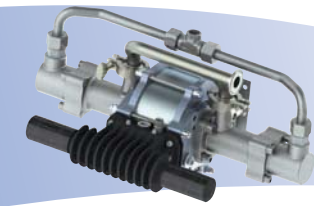
Maple 7/15, 8/25 and 15/3 Air Driven Paint Pumps

BINKS Maple Pumps are air operated horizontal piston pumps for supplying solvent and waterborne paints, solvents and other suitable materials. These 15 and 25:1 ratio paint pumps have been specifically developed to meet the needs and demands of the Industrial finishing market to supply smooth and consistent material flow to automatic and manual spray guns.

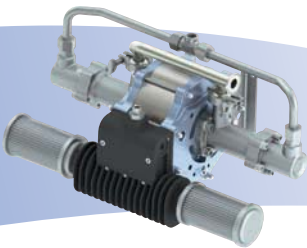
The pump features twin exhaust mufflers to control exhaust noise to a minimum. An adapter kit is available to facilitate connection to a remote exhaust system if required.

- Low Ice – lubricant free Air Motor with quick exhaust technology (Patent) removes the risk of valve icing.

- Bellows seals – no exposed shaft seals eliminating the need for maintenance and lubrication of the shaft packing
- Stainless steel fluid sections – ideal for waterborne, solvent based and UV materials
- Tungsten carbide ball seats and Ceramic-Coated pistons ensure maximum operating life
- Equal thrust on each stroke – produces smooth and even paint flow
- Control valve metal spool and sleeve for long life, incorporating magnetic detent to eliminate stall condition (Patented design)
- Sanitary inlet and 1/2" NPT Female outlet manifolds guarantee a smooth internal flow, eliminates paint entrapment for superior flushing
- 5 year pump warranty on materials and workmanship.



Maple 7/15



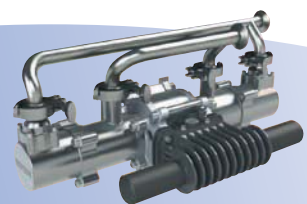
Maple 8/25

Specifications

Maple 7/15 Air Driven Pump	
Part No.	104041
Continuous cycle rate (max)	20 cycles/min (3.5 L.P.M.)
Intermittent cycle rate (max)	40 cycles/min (7 L.P.M.)
Fluid volume/cycle	0.047 US Gal/0.175 Litre
Equivalent flow at 60 cycles / min	2.8 US Gal/ 10.5 Litre
Air volume/cycle	0.33 scfm (9.5 L/m) @ 45 psi (3.1 bar)
Air volume/cycle	0.65 scfm (18.5 L/m) @ 90 psi (6.2 bar)
15 cycles/min	10 scfm (283 L/m) @ 90 psi (6.2 bar)
30 cycles/min	20 scfm (566 L/m) @ 90 psi (6.2 bar)
Ratio	15:1
Air Inlet Pressure	15 -90 psi / 1- 6.2 bar
Air Inlet size	3/8" BSP/NPS
Fluid Inlet fitting	1" Sanitary
Fluid Outlet fitting	1/2" NPT Female
Length / Width / Height (mm)	560 / 350 / 271
Weight	30 kg / 66 lbs

Maple 8/25 Air Driven Pump	
Part No.	104042
Continuous cycle rate (max)	20 cycles/min (4 L.P.M.)
Intermittent cycle rate (max)	40 cycles/min (8 L.P.M.)
Fluid volume/cycle	0.053 US Gal/0.2 Litre
Equivalent flow at 60 cycles / min	3.2 US Gal/ 12 Litre
Air volume/cycle	0.7 scfm (19.8 L/m) @ 45 psi (3.1 bar)
Air volume/cycle	1.4 scfm (39.7 L/m) @ 90 psi (6.2 bar)
15 cycles/min	21 scfm (595 L/m) @ 90 psi (6.2 bar)
30 cycles/min	42 scfm (1190 L/m) @ 90 psi (6.2 bar)
Ratio	25:1
Air Inlet Pressure	15-90 psi / 1- 6.2 bar
Air Inlet size	1/2" BSP/NPS
Inlet fitting	1" Sanitary
Outlet fitting	1/2" NPT Female
Length / Width / Height (mm)	654 / 358 / 337
Weight	40 kg (88lbs)

Maple 15/3 Air Driven Pump	
Part No.	104009
Recommended max.	Continuous cycle rate 20 cycles/min (7.5lpm) Intermittent cycle rate 40 cycles/min (15lpm)
Fluid volume/cycle	0.10 US Gal/0.375 L
Equivalent flow at 60 cycles/min	6 US Gal/22.5 L
Air volume/cycle	0.17 scfm (4.8L/m) @ 45 psi (3.1 Bar)
Air volume/cycle	0.33 scfm (9.3L/m) @ 90 psi (6.2 Bar)
15 cycles/min	5 scfm (142L/m) @ 90 psi (6.2 Bar)
30 cycles/min	10 scfm (283L/m) @ 90 psi (6.2 Bar)
Ratio	3:1
Air Inlet Pressure	15-90 psi/1-6.2 Bar
Air inlet size	3/8" BSP/NPS
Inlet/Outlet fitting	1" Sanitary
Length / Width / Height (mm)	600 / 290 / 250
Weight	46 lbs/21 kg



Maple 15/3



BINKS DX70
AIR OPERATED 1:1 DIAPHRAGM PUMPS

DX70 is the perfect solution for one or two spray gun applications with faster colour changes and quick refills for less production downtime.

- Acetal pump body with st. st. balls and soft seats for universal paint compatibility including ceramic glaze coatings
- The unique diaphragm design and “built in” fluid regulator provide consistent pressure and readily adjustable paint flow
- The Non-stall air valve provides smooth, quiet and surge free paint delivery up to 1000 cc/ minute
- Clearly labelled Air regulators provide independent control of pump and spray gun fluid and air pressures
- Quick release air, fluid inlet and outlet connections for faster maintenance
- Re-circulation/dump valve accessory for faster colour changes reducing down time, saving time and money
- Pump outfit mountings include Cart, Wall, 25L Pail and Tripod outfits with or without spray guns and hoses
- Outfits with Fluid filter are available for finer paint finishes.

The Binks DX70 is a high specification, air powered 1:1 ratio double diaphragm pump specifically developed for the direct supply of paints and materials to spray guns. The pump features a unique diaphragm no-crease shape for a long and durable working life DX70 also includes a “built-in” fluid regulator which ensures a constant and virtually pulse free fluid delivery, for direct feed to spray guns without the expense and complications of an additional fluid regulator or surge chamber.

The Binks DX70 range features bare pumps, assembled pump packages and complete “ready to spray” outfits matched with our World renowned DeVilbiss spray guns. DX70 is perfect for use with ALL TYPES of spray gun technologies including, Conventional, Compliant Trans-Tech©, HVLP, LVLP and low pressure Electrostatic guns. Binks DX70 is the low cost solution compared to pressure tanks with no expensive annual pressure test certification regulations.

**The standard pump without fluid regulator can also be used on ceramic glaze applications.*

Specifications

DX70 Pump Specification (Bare Pump)	
Pump Ratio	1 to 1
Max. Air Pressure	7 Bar / 100 PSI
Max. Fluid Pressure	7 Bar / 100 PSI
Nominal Flow Volume / Cycle	0.07 Litres (0.018 US Gall)
Fluid Output @ 60 cycles/min	4.2 Litres / min (1.1 US Gall / min)
Max Recommended Continuous Cycle Rate	10 Cycles /min
Max Recommended Intermittent Cycle Rate	30 Cycles /min
Inlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Outlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Maximum Dry/Wet Lift	6.6 m (21.8 feet)
Air Inlet	G1/4" (BSPP) Female
Fluid Regulator Pilot	Ø4 Tube
Air Volume / cycle @ 6.9Bar/100psi	0.77 L (0.027SCFM)
Air Flow @ 10 cycles/min 6.9 bar/100psi	7.7 L/min (0.27SCFM/min)
Air Flow @ 30 cycles/min 6.9 bar/100psi	23.2 L/min (0.82SCFM/min)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns
	Water -20°C@7bar (940ppm)
	Oil 0.1mg/m³
	Non Lubricated
Noise Level	68 db LAeq
Earth (Air Inlet Cover)	<1Ω
Weight – Bare Pump	2.2 Kg (4.9 lbs)



The standard pump without fluid regulator can also be used on ceramic glaze applications.

DX70 Bare Pumps Contents and Part Numbers	DX70R-MM3	DX70R-MF3	DX70R-FM3	DX70R-FF3	DX70N-MM2	DX70N-MF2	DX70N-FM2	DX70N-FF2	DX70N-MM1	DX70N-MF1	DX70N-FM1	DX70N-FF1	DX70R-MM	DX70R-MF	DX70R-FM	DX70R-FF	DX70N-MM	DX70N-MF	DX70N-FM	DX70N-FF
DX70 Bare Pump Regulated M/M	•												•							
DX70 Bare Pump Regulated M/F		•												•						
DX70 Bare Pump Regulated F/M			•												•					
DX70 Bare Pump Regulated F/F				•												•				
DX70 Bare Pump No Reg M/M					•				•								•			
DX70 Bare Pump No Reg M/F						•				•								•		
DX70 Bare Pump No Reg F/M							•				•								•	
DX70 Bare Pump No Reg F/F								•				•								•
Air Controls - 3 Regulators	•	•	•	•																
Air Controls - 2 Regulators					•	•	•	•												
Air Controls - 1 Regulators									•	•	•	•								

CENTURY FRP SPRAY GUNS AND SYSTEMS

CENTURY^{FRP} SYSTEMS 4



Binks Gel Coat and Resin Laminating equipment

Binks Century FRP Spray Guns and Systems

Binks have been producing the best FRP equipment for over 50 years and with the addition of the new Century Pump to the Binks "Low Emission Laminator" (LEL) product line provides a complete range of FRP spray guns, spray tips, air nozzles, mixing valves and outfits for the non-atomising application of resins and gel coats used in open moulding processes.

Binks Offers the Very Best Production Systems

Our total commitment to the composites and protective coating industries provides our customers with many production and environmental advantages. Our full line of Compliant LEL systems, spray guns, and outfits consistently delivers high quality, bottom-line results needed by manufacturing today.

EPA Compliance

Of critical importance to composites manufacturers is the use of EPA Compliant Technologies in their manufacturing operations. One such technology used

in Binks Century LEL Spray Guns is Non-Atomizing Resin Application, through extensive testing using the guidelines from the EPA Styrene Emissions Test Protocol, Binks Century LEL guns have proven to emit monomer at or below the levels predicted per EPA guidelines. A complete emissions test report is available from Finishing Brands upon request.

- Fully CE & ATEX approved for all applications
- Binks Spray guns offer internal and external atomisation with a wide tip range
- Outfits use lower air & fluid pressures for superior transfer efficiency, cost savings and reduced operator exposure to fumes and mist
- Systems engineered for a long and reliable working life, made from modular sub assemblies for fast re-builds and easy maintenance
- Catalyst flow meter included for precise and easy mix control
- Reversible carbide seats for longer low cost pump life cycle
- Self adjusting spring loaded pump packings.



Part No. 102-3610 Binks Century LEL External Mix Gel Coat Gun is renowned for its easy operation and low maintenance.



Part No. 102-3655 Binks Century LEL External Mix Chopper gun



Part No. 102-3800-1
*Binks Internal Mix Century LEL Wet Out Gun

Outfit Part Number	Pump 17:1 Ratio	Pump 6.5:1 Ratio	102-2500 External Mix Century Gel Coat Gun	102-3610 External Mix Century Gel Coat Gun	102-3600 External Mix Century Wet Out Resin Gun	102-3800-1 Internal Mix Century Wet Out Gun	102-3655 External Mix Century Chop Gun	102-3825-1 Internal Mix Century Chop Gun	Small Cart	Wall-Mounted	Wall-Mounted with Boom	Cart, Mast. & Boom	5 Gallon Siphon Kit (25 litre)	55 Gallon Siphon Kit (210 litres)	Heater Kit (240 volts)	25 Foot Hose Assembly (7.5 metres)
CX2017HC-B2M2S25	▪			▪					▪							▪
CX2017HC-B2M2T25	▪			▪					▪							▪
CX2017HC-A2M0S25	▪		▪						▪							▪
CX2017HC-A2M0T25	▪		▪						▪							▪
CX2006HC-J2M0T25		▪			▪				▪							▪
CX2006HC-L2M0T25		▪				▪			▪							▪
CX2006HC-L3M0T25		▪				▪			▪							▪
CX2006HC-R3M0T25		▪					▪		▪							▪
CX2006HC-U3M0T25		▪						▪	▪							▪
CX2017HC-L2M0T25	▪					▪			▪							▪
CX2017HC-J2M0T25	▪							▪	▪							▪

FRP Spray Gun Selection Guide

	Gel Coat	Wet-Out	Chop	Grani-Coat	Filled Resin	2K Adhesives	External Mix	Internal Mix	Touch-Up	Conventional Spray	HVLP Spray
Ext Mix Res											
Ext Mix Gel											
Int Mix Res											
AAA Air Assisted Airless HVLP											
102-2400		▪					▪				▪
102-2500	▪						▪				▪
102-2545		▪			▪		▪				▪
102-2455			▪				▪				▪
LEL Low Emissions Laminator											
102-3600		▪					▪				
102-3610	▪						▪				
102-3655			▪				▪				
102-3650		▪			▪		▪				
102-3665			▪		▪		▪				
102-3800-1		▪						▪			
102-3800-2		▪						▪			
102-3825-1			▪					▪			
102-3825-2			▪					▪			
102-3835-1			▪		▪			▪			
102-3835-2			▪		▪			▪			
HVLP											
MACH 1PC						▪	▪				▪
MACH 1PCX	▪	▪				▪	▪	▪			▪
Conventional Spray											
7N 68SS x 302				▪				▪		▪	
7N 68SS x A68PB	▪	▪					▪		▪	▪	
2100 GW	▪						▪		▪	▪	

1 Tips/needles = Stainless Steel as standard 2 Stainless Steel fluid passageways
3 Optional = Tungsten Carbide and hardened tips/needles 4 Substrate = Wood, metal, plastic and others 5 Substrate = Ceramic and glaze



MAGIC FLOW

The “cutting edge” 2K system for all types of applications. Magic Flow guarantees the accurate and reliable mixing and metering of two component materials.

Universal 2K Electronic Mixing Unit

- Easy to Control with Repeatable Results
- Wide Field of Application
- Easy Installation and Commissioning
- Integrated Colour Change Sequencer
- Touch Screen Control
- Integrated VOC-Calculator
- Paint Level Control (up to 32 paints/colours)

Suitable for	Solvent and Water based Paint
Mixing Ratio	0.5:1 to 50:1
Flow Rate	50 to 2.000 ml/min (other options upon request)
Working Temperature	10 – 70° C
Pressure Range	3 – 250 bar (Low-/High Pressure)
Viscosity	20 – 100.000 mm ² /s
Fluid Section in	Stainless Steel
Material Valves	32 max e.g. 28 Colours, 2 Solvents, 2 Hardeners
Mode	Manual or Automatic
Options	Printer Port, Ex-Protection and Remote Control, mass flow meter, paint pressure regulation kit



Designed as a "Plug and Spray" machine, the Magic Flow is the best System to ensure repeatability whilst complying with the toughest EPA legislation. The mixing ratios can be stored in a wide range of up to 50 recipes and the icon guided touch screen allows easy communication between operator and machine. The precise dosing will always ensure a perfect finish. Magic Flow for all applications – including high and low pressure with solvent or water based paint and materials – Binks Magic Flow is the best solution.

MAGIC MIX



Universal 2K Electronic Mixing Unit

Binks MagicMix is the easy and precise electronically controlled fluid handling system for all types of spray applications with guaranteed accuracy, reliable mixing and metering of two component paint materials.

Designed as a "Plug and Spray" machine, the MagicMix is the best system to ensure repeatability whilst complying with the toughest EPA Legislation. The variable mixing ratios can be stored and the icon guided touch screen allows easy communication between the operator and machine. The precise dosing will always ensure perfect paint mix and finish. Binks MagicMix for all applications – including high and low pressure with solvent or water based paint and materials.

Binks MagicMix is the best solution.

- Easy to control with repeatable results

- Wide Field of Application from 0.5 to 20:1 ratio
- Easy Installation and Commissioning
- Simple Touch Screen Control
- Integrated VOC-Calculator
- Outfits include Binks MX paint pumps.

Universal applications	Solvent and Water based Paints
Mixing Ratio	0.5 to 20:1
High & Low pressure machines available	Flow rate from 1.5 to 2.5 l/min (Output at each pump)
Working temperature	10 – 70°C
Pressure Range	3 – 250 bar (40 – 3500 psi) Low/High Pressure
Viscosity	20 – 100.000 mm ² /s
Fluid Section	Stainless Steel
Material Valves	1 Colour and 1 Hardener as standard
Spray gun types	Manual and Automatic
Reporting	Serial Printer Port
Optional	1 Flushing pump and valve



PRESSURE FEED CONTAINERS

Pressure Feed Containers

Pressure feed containers are used to allow the coating material to be prepared, thinned and conditioned, constantly agitated (if required) and then supplied in bulk to consistently maintain the correct spraying viscosity and pressure. The Binks range is equipped with easy to operate air regulators (to set the desired fluid outlet pressure), safety pressure relief valves and Manual, Rotary or Oscillating agitation types are available to provide the best quality agitation.

Binks Pressure Feed Containers are constructed from the highest grade materials and fully comply with European and Global pressure regulations including PED, ATEX and ASME.

Binks have a pressure tank to fit every industrial application.



Agitators

Binks offer a selected range of Air Driven paint agitators for general industrial use, the range includes Drum & Pail mounted agitators with Heavy Duty motors.

- Fully approved and CE marked to the latest pressure equipment directive 97/23/EC.
- Constructed from Heavy Gauge steel with forged steel clamps
- St St & Carbon Steel Plated range covers ALL industrial applications
- Higher pressure rating handles Heavier materials
- Range offers complete material handling suitability for solvent and waterborne coatings
- Inner Liners reduce cleaning time and save coating material
- Top and Bottom outlet conversion kits available
- Single air regulator as standard with optional dual outlet kits
- S & G type include filler port

Zinc Plated for Solvent-Based Coatings (10 litres)

Shown with optional twin air regulators.

4 5



Stainless Steel Wetted Parts (10 litres)

Stainless steel passageways for solvent and waterborne materials.

2 4 5



Stainless Steel Construction throughout (10, 40 and 60 litre capacity)

For waterborne and solvent based materials.

2 4 5



Galvanised Carbon Steel (40 litres)

For solvent based materials.

4 5



Bottom Outlet Kits for 183G- and 183S- ASME Code Tanks:

Bottom outlets kits include sturdy steel legs, mounting fasteners, fittings and outlet pipe.



	Bottom Outlet Kit	Fluid Outlet if using Bottom Outlet Kit
10 litre Tanks	183-3000	3/4" NPT(m) or 3/4" NPS(m)
40 & 60 litre Tanks	183-3001	3/4" NPT(m) or 3/4" NPS(m)

Note: A disposable tank liner is supplied with all pressure tanks as standard.

Replacement tank liner part numbers are:

10 litre (2.8 gal.) – PT-78-K10 or K60 40 litre (11.8 gal.) – PTL-412-K8 60 litre (19.8 gal.) PTL-415-K10



When combined with the use of disposable liners, there is no more economical way to run a paint operation for most applications.

Pressure Feed Containers - Range and Specification

	Part No.	Capacity Litres	US Gallon	Pressure Feed Tank - Construction type	Agitation	Agitator type*	Air inlet	Fluid outlet	Max. Pressure bar	(psi)
Zinc Plated	83C-210-CE	10	2.8	Zinc plated - Carbon Steel	No Agitation	None	1/4"	3/8"	5.5	80
	83C-211-CE	10	2.8	Zinc plated - Carbon Steel	Direct Drive Rotary Agitation	D	1/4"	3/8"	5.5	80
Stainless "Wetted" Parts	83Z-210-CE	10	2.8	Stainless Steel Lid and st st fluid passages	No Agitation	None	1/4"	3/8"	5.5	80
	83Z-211-CE	10	2.8	Stainless Steel Lid and st st fluid passages	Direct Drive Rotary Agitation	D	1/4"	3/8"	5.5	80
Fully Stainless Steel	183S-210-CE	10	2.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	183S-211-CE	10	2.8	Fully Stainless steel - Electropolished	Direct Drive Rotary Agitation	D	1/4"	3/8"	7.6	110
	183S-212-CE	10	2.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	183S-213-CE	10	2.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
	183S-1010-CE	40	11.8	Fully Stainless steel - Electropolished	No Agitation	None	1/4"	3/8"	7.6	110
	183S-1012-CE	40	11.8	Fully Stainless steel - Electropolished	Manual/Option Reciprocating Agitation	Manual R *	1/4"	3/8"	7.6	110
	183S-1013-CE	40	11.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
Galvanised Steel	183G-1010-CE	40	11.8	Galvanised Carbon Steel	No Agitation	None	1/4"	3/8"	7.6	110
	183G-1012-CE	40	11.8	Galvanised Carbon Steel	Manual/Option Reciprocating Agitation	Manual R *	1/4"	3/8"	7.6	110
	183G-1013-CE	40	11.8	Galvanised Carbon Steel	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110
Fully Stainless Steel	183S-1510-CE	60	19.8	Fully Stainless steel - Electropolished	No agitation	None	1/4"	3/8"	7.6	110
	183S-1512-CE	60	19.8	Fully Stainless steel - Electropolished	Manual Agitation	Manual	1/4"	3/8"	7.6	110
	183S-1513-CE	60	19.8	Fully Stainless steel - Electropolished	Gear Reduction Rotary Agitation	I	1/4"	3/8"	7.6	110

***Agitator types :-**

- D** Direct Drive Agitator - Air powered direct drive agitator assembly with 1/2 hp air motor and a three blade propeller to keep materials in suspension even with high solids.
- I** Indirect Air Motor Drive - Standard duty, smooth running with gear reducer, 1/2 hp, 15:1 ratio, 20 to 120 RPM. Inc throttling valve, fittings and hose for connection to air supply on tank lid. Air consumption is approx 6CFM @ 50RPM.
- R** Reciprocating Air Motor Drive - 180° reciprocating action provides excellent agitation of all types of materials. Particularly important for waterborne shear sensitive materials. Very low air consumption.



Agitator type D



Agitator type I



Agitator type R (optional).

105451* L20 kit to provide reciprocating agitator on 183S-1012-CE & 183G-1012-CE pressure tanks

Note: Binks tanks are supplied with NPS threads as standard. For BSP threads, add a 'B' after the part no. Example: 183S-210-CE-B

Pressure Feed Containers - Accessories

Bottom outlet conversion kits #QMS-443 for 40 & 60 litre and QMS-435 for 10 litre St St tanks.



- Air Regulator Kits - Pressure tanks are supplied with one air regulator as standard - Optional kits are available.
- Model QMS-436: One gauge, one regulator. Converts single regulation to dual.
- Model QMS-4006: One gauge, one regulator. Regulates and indicates tank pressure.
- Model QMS-4007: Two gauges, two regulators. Controls tank pressure and atomisation air pressure to gun.

For further detailed pressure tank information please refer to the appropriate service bulletin.

Binks drive unit for 205 litre (55 gallon) drums



Model 31-401 Agitator Drive

- Air Motor Drive Unit with gear reducer
- Shipping Wt.: 9.1 kg (20 lbs)
- 1/2 HP; 15:1 Ratio; 40 RPM output
- Ref. Part Sheet 77-2804

Speed: Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the reduction gear box should not run faster than 30 to 40 RPM maximum.



DeVilbiss indirect air motor drive for drum mounting QS-5012-CE

- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- 30 to 100 RPM
- Stainless steel material, wetted parts
- 15:1 ratio.



Part no: KB-622 Aluminium inc. hoses
Part no: KB-522-SS Stainless Steel
(no hoses)

KB11

2.3 LITRE REMOTE CUP STANDARD – ALUMINIUM & ST ST

2 4

Light weight, portable and easy to use

- 2.3 Litre capacity - greater area coverage, less refills
- Complete gun manoeuvrability at any angle
- Suitable for most Conventional or Compliant pressure/suction guns
- Stable, wide, reinforced base and fast, spin ring lid system
- **Aluminium or Stainless Steel** options (for waterbased materials)
- Familiar gun grip handle plus belt hook for operator convenience
- At-the-job controls with lid mounted pressure gauge
- Available complete with short cup to gun air and fluid hoses.

The KB11 is a versatile pressure fed cup designed to give complete freedom of movement for the spray gun and the operator. Suitable for use with either conventional or compliant/HVLP pressure fed spray guns the cup can handle wide variety of paints and coating materials. Its generous 2.3 litre capacity dramatically reduces the need for constant cup refills. Using a remote cup means that the spray gun is lighter and can even be used upside down with total manoeuvrability in hard to reach areas.

Air inlet and outlet connections threads	1/4" BSP(M)
Fluid outlet connection (to Spray Gun)	3/8" BSP(M)
Capacity	2.3 Litres (2 Quart)
Weight (less hoses and paint)	1.76 kg
Maximum working pressure	2 bar (30 psi)

STEADI-GRIP

2.3 LITRE / 2 QUART PRESSURE CUP

4 5

Light weight, portable and easy to use

- 2 Quart/2.3 litre capacity - greater area coverage, less refills
- Complete gun manoeuvrability at any angle
- Suitable for most Conventional or Compliant pressure/suction guns
- Large "wide mouth" opening enables rapid filling and easy cleaning
- Cup features four lid clamps for quick and easy access
- Comfortable gun handle shaped carrying handle and belt hook for operator convenience
- Separate air control regulator and lid mounted pressure gauge
- Anodised bright dipped Aluminium cup and "Silverstone" coating on lid interior and exterior.

The Steadi-Grip is the most advanced pressure fed cup from Binks designed to give complete freedom of movement for the Spray Gun and the operator, in particular those working on production finishing lines. Conventional or Compliant/HVLP pressure fed Spray Guns can be used with Steadi-Grip and it is suitable for use with a wide variety of paints, enamels and other coating materials. Its 2 Quart/2.3 litre capacity dramatically reduces the need for constant cup refills. Using a remote cup means that the Spray Gun is lighter and can even be used upside down with total manoeuvrability in hard to reach areas.



Standard Cup Part no: 80-600
Agitated Version Part no: 80-601

Air inlet and outlet connections threads	1/4" NPS(M)
Fluid outlet connection (to spray gun)	3/8" NPS(M)
Capacity	2.3 Litres (2 Quart)
Weight (less hoses and paint)	4 lbs 13 oz
Maximum working pressure	3.5 bar (50 psi)

AIR OPERATED ROTARY AGITATORS AND MIXERS

4 5

Designed for a wide variety of industrial and automotive applications. The agitators ensure paints and fluids are agitated precisely to keep paint solids in suspension and maintain optimum finishing characteristics. Binks agitators are suitable for a wide

range of viscosities and paint material types including solvent based, waterborne and many other fluids.
Note: Binks recommend the use of an air oil lubricator with these air driven agitators.



Part no: 41-3312

Binks Agitators, Drives and Covers for 25 litre (5 gallon) containers

- Furnished alone or as an assembly, mounted to container covers
- Agitator and drive assembly only, standard
Speed: Speed of propeller shaft is determined by fluid, 3000 RPM maximum
Air Supply: Air supply to the motor should be 4 bar (60 psi) gauge pressure minimum

Model 41-3205

- Cover for open-top container
- Used for 25 litre (5-gallon) container
- For Pogo, Pogo B, and Transmatic
- Shipping Wt: 2.75 kg (5 1/2 lbs)
- Ref. Part Sheet: 77-1470



Model Number	41-3312	31-133-CE
Includes	Agitator & Drive Agitator Drive	Assembly Only & Cover Assembly
Shaft/Propeller Material	Stainless Steel	Stainless Steel
Container Size	25 litre (5 Gallon) Pail	25 litre (5 Gallon) Pail
No. of Propellers or Paddles	1	1
Propeller/Paddle Diameter	79mm (3 1/8 in)	79mm (3 1/8 in)
Shaft Speed	To 3000 RPM	To 3000 RPM
Air Drive Type	Direct (HP: 1/4) (CFM:10-14)	Direct (HP: 1/4) (CFM:10-14)
Shipping Weight	6 kg (12 lbs)	16.6 kg (33 lbs)
Part Sheet Reference	77-1474	-

Binks Direct Drive Agitators for 205 litre (55 gallon) drums

4 5



Part no: QS-574-H

Part No.	Description	
QS-574-H	Rotary agitator assembly (S.S.) for 205 L. Lid mounting. shaft length 1135 mm.	Max air pressure 7 BAR
QS-575-H	Rotary agitator assembly (S.S.) for 205 L. Lid mounting. shaft length 900 mm.	Max air pressure 7 BAR
QS-576-H	Rotary agitator assembly (S.S.) for 205 L. Lid mounting. shaft length 760 mm.	Max air pressure 7 BAR

Note: Binks recommends the use of an oil lubricator with all air driven agitators.

Binks Direct Drive Agitators and Drives for open top 205 litre (55 gallon) drums

4 5



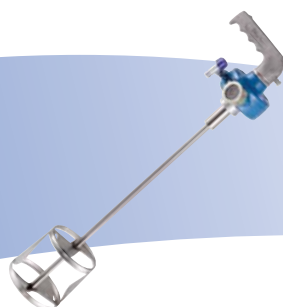
Model 41-3304 for 205 litre (55 Gallon) Drums

- Stainless Steel agitator and drive assembly only
Speed: Speed of propeller shaft is determined by fluid, 1000 RPM maximum
Air Supply: Air supply to the motor should be 4 bar (60 psi) gauge pressure minimum.

Model Number: 41-3304	
Includes	Agitator & Drive Assembly Only
Material	Stainless Steel
Container Size	205 litre (55 Gallon Drum)
No. of Propellers or Paddles	2
Propeller/Paddle Diameter	130 mm (5 1/8 in) (SS)
Shaft Speed	To 1000 RPM
Air Drive	Type: Direct / HP: 1/4 / CFM:10-14
Shipping Weight	6 kg (12 lbs)
Part Sheet Reference	77-1390

AIR OPERATED ROTARY AGITATORS, MIXERS AND ELEVATORS

4 5



Part no: 149-873

Hand Held Quick Mixers

For 25/50L and 200L containers.

Part No.	Description
149-873	Variable speed, 1 propeller, 127 mm diameter, shaft and propeller SS (shaft length 533 mm)
149-874	Variable speed, 1 propeller, 127 mm diameter, shaft and propeller SS (shaft length 1,016 mm)

Note: These quick mixers are suitable for non ATEX areas only.

Binks Gear Drive Agitator for heavy fluids in open top 205 litre (55 gallon) drums

4 5



Model 31-397 Gear Drive Agitator (with cover)

- For open top 205 litre (55) gallon drums
- Gear drive, 40 RPM
- For heavier fluids such as paints and mastics furnished with:
 - 1/2 HP air motor (10 to 14 CFM)
 - Zinc Plated Clear Chromate cover (31-124)
 - Two 370mm (14 1/2 in. diameter Stainless Steel paddles with Stainless Steel shaft

Speed: Speed of the air motor is regulated by an air adjusting valve (part no. HAV-500). The speed of the agitator shaft below the reduction gear box should not run faster than 30 to 40 RPM maximum.

Air Supply: Air used to operate this unit should come directly from a high pressure source; do not use air that has passed through a regulator. Air supply to the motor should be a minimum of 4 bar (60 psi) gauge pressure.

Container Size	205 litre (55 Gallon) Drum
Motor Specifications	Air Motor Model: Gear / HP: 1/2 / CFM: 10-14
Shaft Specifications	Mount: Flange / Diameter: 12.7 mm (1/2 in) / Speed: 30 to 40 RPM
Propeller Specifications	Number of Props: 2 / Diameter: 370 mm (14.5 in) / Material: Stainless Steel
Cover Specifications	Model Number: 31-124 / Size: 205 litre (55 Gallon) Drum Material: Zinc Plated Clear Chromate Cover

Note: Refer to the Agitator Service Bulletin for specific application details.

Pneumatic Elevator

4 5



The Pneumatic Elevator uses a double-acting cylinder to power the elevator in both the up and down strokes. The unit includes an anti-twist device and a sturdy base stand with adjustable drum positioning feature. The lid arm has three height fixing positions.

Note: These models do not include actuation valve or lid/Drum as standard. ATEX and CE approved.

Specification

Part Number	PHV-550	PHV-1000
Stroke	550 mm	1000 mm
Max pressure	6 BAR	6 BAR
Lifting force	50 kg	75 kg

Optional accessories

PHV-550-360	Lid for PHV-550 dia. 360 mm
PHV-1000-610	Lid for PHV-1000 dia. 610 mm
PHV-1000-5000	Manual operating valve for up and downward stroke and agitator.



Part no: DVFR-1

AIR FILTER REGULATORS

DVFR Advanced Air Management

- Genuinely high air flows for Conventional and Compliant/Trans-Tech Spray Guns
- Rolling diaphragm for rapid response and precision control
- Optional filter specifications for spraying and air fed respiratory protection outfits
- Tough, heavy duty construction for long service life
- Multi-valved outlets for Spray Gun, Air Fed Mask and Air Tools plus semi-automatic filter drains
- Tamper proof, removable and lockable adjustment knobs.

Compressed air is the lifeblood of every spray shop and it's effective management is vital to operator safety, efficiency and maintaining ultimate finish quality. The DeVilbiss DVFR range of air filter regulators and coalescers are manufactured using super resistant techno-polymer materials used in the construction of the filter bodies ensuring total solvent resistance, while the state of the art rolling diaphragm technology ensures optimum air flow and precision control.



Part no: DVFR-2

DVFR-1 Filter Regulator

This high capacity, 124 cfm, three outlet unit has been designed for use in and around the Spray Booth. Constructed using leading edge techno-polymer materials, the DVFR-1 is resistant to solvents. Dual filtration eliminates dirt down to 5 microns from reaching the Spray Guns and like all DVFR filter regulators, condensate can be removed from the filter bowl manually or semi-automatically on depressurisation of the system.

DVFR-2 Filter Regulator Coalescer

- Ideal for operator 'breathing' air

The industry favourite is ideal for both industrial and heated "combi booths" Spray Booths, it is mandatory for use with Air Fed Respiratory Protection. Triple filtration removes dirt and other contaminants down to 0.01 microns, while the capacity of 124 cfm provides sufficient air flow to run two masks and two guns.



Part no: DVFR-3

DVFR-3 Filter Regulator Coalescer

This general purpose unit has been developed for both paintshop and general workshop applications. The Dual filtration process eliminates dirt down to a particle size of 20 microns from air tools and Spray Guns, while the two ball valve controlled outlets have a total capacity of 60 cfm.

DVFR-4 Filter Regulator Coalescer

This unit is designed for use with spray equipment, which requires filtered air at main line pressure, while the other outlet pressures can be regulated. The unit has a generous capacity of 90 cfm and dual filtration down to a particle size of 5 microns. Note: This unit is not suitable for use in a low bake spray booth.



Part no: DVFR-4

Replacement Filter elements

In order to maintain optimum air quality, which is of vital importance when Air Fed Respiratory Equipment is being used, filters must be changed regularly. Three types of replacement filter element are available for particle sizes of 20, 5 and 0.01 microns.

Part no's	
DV-9451705	Replacement 5 micron filter element for DVFR-1, DVFR-2 and DVFR-4
DV-9451711	Replacement 0.01 micron fine filter breathing element air for DVFR-2
DV-9351706	Replacement 20 micron filter element for DVFR-3



AIR FILTER REGULATORS

Model – DVFR Range	DVFR-1	DVFR-2*	DVFR-3	DVFR-4
Air Inlet Thread	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)
Regulated Outlets	3 Valved	3 Valved	2 Valved	2 Valved + 1 Plugged
Unregulated Outlets	NA	NA	NA	1 Valved + 1 Plugged
Air Outlets (Ball Valves)	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)
Width (Overall)	175 mm (6.9")	240 mm (9.5")	165 mm (6.5")	290mm (11.5")
Height (Overall)	280 mm (11")	280 mm (11")	240 mm (9.5")	280 mm (11")
Weight	2500 gms (88 oz)	3200 gms (113 oz)	1341 gms (46 oz)	2950 gms (104 oz)
Capacity (Maximum Air Flow)	3500 l/min (124 cfm)	3500 l/min (124 cfm)	1698 l/min (60 cfm)	2550 l/min (90 cfm)
Maximum Air Inlet Pressure	13 bar (189 psi)	13 bar (189 psi)	13 bar (189 psi)	13 bar (189 psi)
Maximum Regulated Outlet Pressure	0-8 bar (0-116 psi)	0-8 bar (0-116 psi)	0-8 bar (0-116 psi)	0-8 bar (0-116 psi)
Maximum Operating Temperature	100°C (212°F)	100°C (212°F)	40°C (104°F)	40°C (104°F)
Pressure Gauge	0-11 bar (0-160 psi)	0-11 bar (0-160 psi)	0-11 bar (0-160 psi)	0-11 bar (0-160 psi)
Gauge Port	1/8" BSP (F)	1/8" BSP (F)	1/8" BSP (F)	1/8" BSP (F)
Air Filtration	Down to 5 microns	Down to 0.01 microns*	Down to 20 microns	Down to 5 microns
Drain Valve	Semi-Automatic	Semi-Automatic	Semi-Automatic	Semi-Automatic
Maximum Pressure Drop	5% of Inlet Pressure	10% of Inlet Pressure	5% of Inlet Pressure	5% of Inlet Pressure

*Suitable for Breathing Air

FINISH LINE AIR FILTER REGULATORS & COALESCERS

4 5



Part no: FLFR-1

FLFR-1 Filter Regulator

- Air filtration down to 20 microns
- High quality manufacture
- Air flow of 70cfm (at 7 bar – 100 psi inlet pressure)
- Lockable and removeable (tamperproof) control

FLCF-1 Coalescing Filter

- A 3/8" (port size) coalescing (fine oil) filter
- Air filtration down to 0.01 microns (suitable for breathing Air-Fed Visors/Masks)
- Replaceable filter element
- Maximum working pressure 18 bar (260 psi)



Part no: FLCF-1

FLRC-1 Filter Regulator Coalescer

- Compact, low cost single operator Filter Regulator and Coalescer
- Filtration down to 0.01 microns suitable for Air Mask or Visor
- Not suitable for low bake temperatures

FLRCAC-1 Filter Regulator Coalescer with Activated Carbon Filter

- High efficiency filter designed to remove dirt, liquid oil and water from spraying and breathing air
- Filtration down to 0.01 microns plus activated carbon filter removing contaminants down to 0.003ppm



Part no: FLRC-1



Part no: FLRCAC-1

Regulator Assemblies

Part No.	Description
FLFR-1	Single outlet filter regulator (70 cfm)
FLCF-1	Coalescing (fine oil) filter (25 cfm)
FLRC-1	Single outlet filter regulator coalescer
FLRCAC-1	Single outlet filter regulator with coalescer with activated carbon filter
9450102	Replacement filter element
XA-12	Replacement coalescing filter element
AC-12	Replacement activated carbon filter
9450802	Upper cover
9450301	Metal bowl
GA-319	Gauge

1 Tips/needles = Stainless Steel as standard 2 Stainless Steel fluid passageways
 3 Optional = Tungsten Carbide and hardened tips/needles 4 Substrate = Wood, metal, plastic and others 5 Substrate = Ceramic and glaze



Part no: HGBR-609

BINKS FLUID REGULATORS

A complete range for all industrial applications.

- Highly accurate pressure settings with no pressure “creep”
- Minimum setting pressure below 0.25 bar (3.75 psi)
- Regulator body design reduces paint wastage during maintenance
- Fast disassembly and cleaning
- Fluid passages in 303 Stainless Steel as standard
- Compatible with solvent and waterborne paints and materials
- Manual or Automatic control
- Consistent fluid pressures maintained without fluctuation.

Designed and developed for use in the latest high-tech paint shops our range of Diaphragm Fluid Pressure Regulators are precision made to provide extreme accuracy of the fluid as it arrives at the Spray Gun and/or Applicator. The DeVilbiss fluid regulators with either manual or automatic control can be utilised with Diaphragm Pumps, Pressure Feed Tanks or any size of Paint Circulating System.

Note: For ceramic applications contact Finishing Brands

Type Model	Specification							
	Part number	Manual adjustment	Automatic Pneumatic adjustment	Inlet pressure mini/maxi bar (psi)	Outlet pressure mini/maxi bar (psi)	Fluid Flow maximum l/min	Fluid Inlet fitting	Fluid Outlet fitting
In line Regulator	HGB-509 (no gauge)	■		2 (29)/12.5 (181)	1 (14)/5 (72)	13	3/8 NPS	3/8 NPS
with gauge 1.2 Bar	HGB-609-1.2	■		1 (14)/8 (116)	0.15 (2)/1.2 (17)	8.3	3/8 NPS	3/8 NPS
with gauge 5 Bar	HGB-609-5	■		2 (29)/12.5 (181)	1 (14)/5 (72)	13	3/8 NPS	3/8 NPS
with gauge 9 Bar	HGB-609-9	■		3/15 (217)	3 (43)/9 (130)	13	3/8 NPS	3/8 NPS
	HGB-510-R1		■	2 (29)/15 (217)	0.5 (7)/15 (217)	13	F 1/4 BSP	F 1/4 BSP
	HGB-510-R2		■	1 (14)/15 (217)	0.15 (2)/7	10.5	F 1/4 BSP	F 1/4 BSP
	HGB-510-R4		■	1 (14)/15 (217)	0.15 (2)/4	6.5	F 1/4 BSP	F 1/4 BSP
	84-531		■	2 (29)/15 (217)	0.5 (7)/15 (217)	13		
Gun Mounted Regulator	HGS-5132		■	3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/8 NPT	3/8 NPS
	HGS-5112		■	3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	3/8 NPS
	HGS-5211	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	Bayonet
	HGS-5222	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	3/8 NPS	3/8 NPS
	HGS-5212	■		3.5 (50)/20 (290)	0.14 (2)/7 (101)	2.5	1/4 NPS	3/8 NPS
Back Pressure Valves	84-404	■		0.7 (10)/9.8 (142)	0.7 (10)/9.8 (142)	42	3/4 NPT (F)	3/4 NPT (F)
	HGBR-609	■		2 (29)/12.5 (181)	0.9 (130)	18	1/4 NPS/BSP	1/4 NPS/BSP
	84-601	■		9 (130)		3.7	1/2 NPT	1/2 NPT
HP in line regulator	84-420	■		206 (2987)	20.6 (298)/137.8 (1998)	3.7	1/4 NPT	1/4 NPT



Part no: HGS-5222



Part no: 84-404



Part no: HGB-510-R1



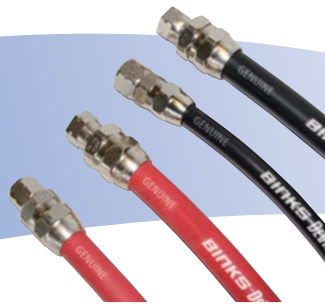
Part no: 84-420



Part no: HGB-509

AIR AND FLUID HOSES AND CONNECTORS (LOW PRESSURE)

4 5



Purpose made hoses and connectors for the spray industry with conductive outer cover.

Binks, DeVilbiss and Ransburg hoses and connectors are purpose made for the spray finishing industry. The use of the best and most dependable air and fluid hoses are vital to all finishing facilities to maintain optimum production levels with the minimum of maintenance downtime. By choosing Binks, DeVilbiss and Ransburg hoses and connectors you are assuring that your spray application equipment receives air and fluids in the best possible condition at the specified pressures and volumes.

Binks, DeVilbiss and Ransburg hoses and connectors are manufactured to the highest quality to maintain engineering tolerances for maximum performance, durability and working life.

- Suitable for all low pressure finishing applications
- Approved for most industrial spray fluids
- Hoses include a conductive outer cover to comply with European ATEX & CE legislation
- Smooth outer cover ensures easy cleaning
- Flexible and manoeuvrable for decreased operator fatigue
- Hoses have excellent chemical compatibility
- Three piece reusable hose connectors (brass plated)
- Air & Fluid hose available per metre or delivered on 150m hose reels.
- Wide range of BSP & NPS threaded connectors.

Choose hoses and connector part numbers from this specification chart:

Hose Pt No.	Description	Type	Bore size mm	Hose cover	Inner bore	Conductive	ATEX/CE	Max Working Pressure
H-7501	5/16" Bore AIR HOSE Red rubber	AIR	8	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7502	3/8" Bore AIR HOSE Red Rubber	AIR	9.5	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7503	1/4" Bore FLUID HOSE Black	FLUID	6	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7504	3/8" Bore FLUID HOSE Black	FLUID	9.5	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7501-150M	5/16" Bore Air Red Rubber (150M reel)	AIR (BULK)	8	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7502-150M	3/8" Bore Air Red Rubber (150M reel)	AIR (BULK)	9.5	EPDM	EPDM	✓	✓	17 bar (250 psi)
H-7503-150M	1/4" Bore Fluid Black (150M reel)	FLUID (BULK)	6	Nitrile	Nylon	✓	✓	34 bar (500 psi)
H-7504-150M	3/8" Bore Fluid Black (150M reel)	FLUID (BULK)	9.5	Nitrile	Nylon	✓	✓	34 bar (500 psi)

EPDM is (Ethylene Propylene Diene Monomer) rubber



150m hose reels are available.

3 piece Re-usable Connections

Part no.	Bore	Connector
PA-HC-4523	1/4" (6 mm)	1/4" BSP
PA-HC-4527	5/16" (8 mm)	1/4" BSP
PA-HC-4528	3/8" (9.5 mm)	1/4" BSP
PA-HC-4543	1/4" (6 mm)	3/8" BSP
PA-HC-4548	3/8" (9.5 mm)	3/8" BSP
P-HC-4523	1/4" (6 mm)	1/4" NPS
P-HC-4527	5/16" (8 mm)	1/4" NPS
P-HC-4528	3/8" (9.5 mm)	3/8" NPS
P-HC-4543	1/4" (6 mm)	3/8" NPS
P-HC-4548	3/8" (9.5 mm)	3/8" NPS

High Pressure Hose Assemblies (Airless)

Hose connectors: 1/4" NPS	Length	Bore	Pressure max.	Part no.
	1m	3/16"	350 bar	H-5811
	7.5m	3/16"	350 bar	H-5813
	7.5m	1/4"	310 bar	H-5818



The above connectors are three piece re-usable (Plated brass)

Purpose made for a long and reliable life cycle

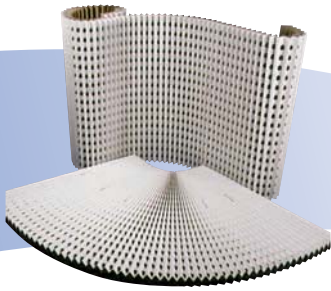
- Total convenience for air and fluid, quick detach reliable self-sealing
- High flow air connections - minimum pressure drop
- Ideal for all types of Spray Guns, Conventional, Compliant and HVLP
- Use them on Respirators, Hoses and Filter Regulators
- Four types available separately or in a set
- Fluid QDs made from Stainless Steel.

QUICK DETACH FITTINGS

4

DeVilbiss Part no's (air)	
MPV-5	Male Quick detach stem with 1/4" female fitting (fits Spray Gun inlets)
MPV-424	Female quick detach connection with 1/4" male fitting (fits hose ends)
MPV-10	Male quick detach stem with 1/4" female fitting
MPV-462	Female quick detach with 1/4" female fitting (fits filter regulator valves)
MPV-463	Economy pack includes 1 of each of the 4 shown above
DeVilbiss Part no's (fluid)	
PA-HC-4482	Quick detach system - 3/8" BSP - Fluid
QDL-4808	QD Connection - Fluid
SSQD-6B-316	QD Connection SR 3/8" Male
SS-STEM-6B-316	QD Stem 3/8" Female
Binks Part no's (fluid)	
19 07 61	QD body assembly (hose end)
20 11 20	QD stem assembly (gun end) Stainless Steel





Standard Filter Paper

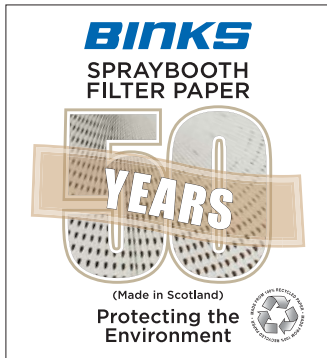
BINKS DISPOSABLE STANDARD SPRAYBOOTH FILTER PAPER

4 5

- Up to 98% filtration efficiency
- Outlasts other filters three to five times
- High loading capacity - longer working life - low pressure drop
- Expansion strapping ensures correct spacing of filter corrugations
- Filter marked at every foot for ease of cutting
- Concertina design reduces storage and transportation costs
- "Four face filtration"
- Bright white spray face - improves spraybooth lighting conditions.
- Stapled construction for strength and longer life
- Made at the Binks factory in Scotland

Binks disposable paper filter consists of 2 sheets of heavy cardboard paper formed into double accordion type folds with staggered holes to provide a highly efficient filter. Paint laden air is drawn into the filter by the Spray Booth fan and is forced to change direction four times causing particulate to adhere to the surfaces of the filter before exhausting to atmosphere. The large air openings in the filter allow high volumes of air to be exhausted without loss of efficiency as the media 'loads', resulting in a much longer life than other filter systems.

Standard Filter Paper Technical Specification	
Filter Construction	Self supporting, two ply high strength cardboard paper. Bright white finish.
Air Flow Rates	100-200 feet per minute (0.5 - 1.0 metres per second) Normal 140 fpm (0.7 ms)
Pressure Differential	Initial @ 0.75 M/S = 30 PA (0.12" SWG) MAXIMUM 130-250 PA (0.52"-1.0" SWG)
Temperature Range	MAXIMUM 180°C (356°F)
Expansion Limiter	Expansion limiting straps ensure correct pleat guaranteeing optimum density of 8 corrugations per running foot (30.4cm)

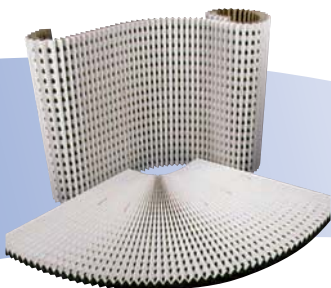


Part no: 20 72 29	
Surface Area	10 sq yds
Filter Size Per Box	H90 x L924cm (H36" x L30ft)
Weight Per Box	10.5 kg (23lbs)

Part no: 20 79 01	
Surface Area	10 sq mtrs
Filter Size Per Box	H90 x L1115cm (H36" x L36ft)
Weight Per Box	12.6kg (28lbs)

Part no: 20 79 00	
Surface Area	10 sq mtrs
Filter Size Per Box	H75 x L1346cm (H30" x L44ft)
Weight Per Box	12.6kg (28lbs)

Part no: 20 79 02	
Surface Area	10 sq mtrs
Filter Size Per Box	H100 x L1038cm (H39" x L34ft)
Weight Per Box	12.6kg (28lbs)



ECO Filter Paper

BINKS ECO SPRAYBOOTH FILTER PAPER

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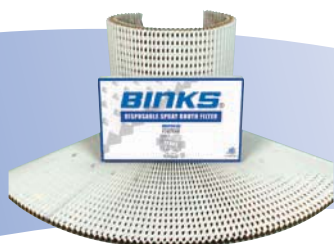
2 layers of bright white paper, punched, pleated, fitted with expansion straps, then stapled together. For superior strength and longer working life.

Part No	Description	Surface Area	Filter Size Imperial	Filter Size Metric (cms)
207229EF	Eco Filter	10 sq yds	H 36" x L 30'	H 90 x L 924
207900EF	Eco Filter	10 sq mtrs	H 30" x L 44'	H 75 x L 1346
207901EF	Eco Filter	10 sq mtrs	H 36" x L 36'	H 90 x L 1115
207902EF	Eco Filter	10 sq mtrs	H 39" x L 34'	H 100 x L 1038

ECO Filter Paper Technical Specification	
Filter Construction	Self supporting, two ply high strength cardboard paper. Bright white finish.
Air Flow Rates	100-200 feet per minute (0.5 - 1.0 metres per second) Normal 140 fpm (0.7 ms)
Pressure Differential	Initial @ 0.75 M/S = 30 PA (0.12" SWG) MAXIMUM 130-250 PA (0.52"-1.0" SWG)
Temperature Range	MAXIMUM 180°C (356°F)
Expansion Limiter	Expansion limiting straps ensure correct pleat guaranteeing optimum density of 8 corrugations per running foot (30.4cm)

BINKS SUPER FILTER – SUPER EFFICIENCY SPRAY BOOTH FILTER PAPER

4 5



SUPER Filter Paper

- Super Filter – Outlasts other filters
- Four Face Filter Technique PLUS additional “Final Stage” polyester filter
- Superior Construction – Glued and Stapled
- Over 99% filtration efficiency
- High Loading Capacity – Longer Working Life – Low pressure drop
- Fits ALL types of dry filter Spray Booths
- Expansion strapping – Ensures correct spacing of filter corrugations
- Moisture resistant and Self Supporting
- Concertina design – Reduces storage and transportation costs.

Binks Super Filter is constructed from two sheets of heavy duty cardboard paper and formed into double “accordion” type folds, stapled, glued and backed with a high efficiency polyester media, which dramatically increases the filter efficiency and “loading capacity”.

Super Efficiency Filter Paper Technical Specification	
Filter Construction	Self supporting, 2 ply high strength cardboard paper. Bright white finish
Air Flow Rates	0.5-1.0 metres per second (100-200 feet per minute) Normal 0.7 m/s (140 FPM)
Pressure Differential	Initial @ 0.75 m/s = 30 Pa (0.12” SWG) Maximum 130-250 Pa (0.52”-1.0” SWG)
Temperature Range	MAXIMUM 100° C
Expansion Limiter (Guarantees optimum performance)	Expansion limiting straps ensure correct pleat Density of 8 corrugations per running foot (30.4 cm)

Part no: 20 72 29 SE	
Surface Area	5.4 sq mtrs
Filter Size Per Box	H90 x L600 cm
Weight Per Box	8.05 kg (inc. box)

Part no: 20 79 02 SEF	
Surface Area	8 sq mtrs
Filter Size Per Box	H100 x L800 cm
Weight Per Box	10.26 kg (inc. box)





Part no: PROV-600 Air fed visor outfit

DEVILBISS PRO VISOR

AIR FED RESPIRATOR

4 5

- Purpose designed to provide best possible protection for all kinds of spray painting applications
- The most comfortable and lightweight air fed visor outfit
- Fully adjustable head band for best operator comfort
- Removable peak reduces spray booth light glare
- Lightweight, Ergonomic waist belt design allows right or left side use
- Wider peripheral view for excellent visibility
- Audible warning device – alerts operator to low air pressure.

The technically advanced design provides the perfect combination of safety and comfort in the spray booth, with excellent freedom of movement. The Pro Visor disperses breathing air gently around the lightweight visor at a positive pressure with no misting or discomfort, ensuring every sprayer can work at their best. The wrap around visor provides excellent and much wider peripheral vision, whilst the removable peak reduces glare from spray booth lighting. There is also plenty of space inside the helmet for sprayers who wear spectacles.

The DeVilbiss Pro Visor air fed respiratory protection system has been purpose designed for use by sprayers.

Replaceable clear visor covers are available in packs of 10 or 50.

Specifications

Protection	APF = 40 / NPF = 200
Carbon Filter Life	Approx 3 months
Supply Pressure	4.0 bar (60 psi) minimum to 7.0 bar (100 psi) maximum
Air Flow Rate	128 – 160 l/min (4.5 – 5.7 SCFM)
Noise level @ 160 l/min	69.7 db
Approvals	BSi & complies to CE PPE directive 89/686/EEC. Conforms to EN 14594:2005 Class 3A
Zone Classifications	Suitable for use in Zones 1 and 2 / gas groups IIA and IIB, Cert: SR0136



Part no: MPV-627 Complete face visor outfit

DEVILBISS MPV-627

AIR FED HALF-MASK BREATHING OUTFIT

4 5

- A single air line supplies breathing and spraying air
- One piece high specification goggles are included
- The facepiece incorporates dual exhalation valves and an air inter diffuser
- Waistbelt incorporates odour filter and pre-set visor air regulator
- Outfit includes high quality gun hose (1.2M x 8mm bore).

The MPV Air-Fed Half-Mask outfit remains a firm favourite with a large number of professional sprayers. The mask has a softer, more pliable face piece with a user-friendly headstrap cradle.



Part no: MPV-629 Valuair Half Mask Respirator

DEVILBISS MPV-629

HALF-MASK RESPIRATOR

4 5

- Lightweight, soft, pliable face piece
- Easy bayonet fitting filter cartridges
- Comfortable elasticated /moulded head strap cradle
- Replaceable A2 specification cartridges supplied as standard
- Pre-filters to extend the service life of the main filter cartridges

Specification – A2 Filters

A2 filters are for use against organic vapours with boiling points above 650°C. The Valuair mask with A2 filter cartridges can therefore be used in areas of contamination up to 10 x the Occupational Exposure levels set by the Health and Safety Executive. Suitable for use with cellulose paints, primers, lacquers and varnishes but not suitable for use with Isocyanates. Assigned Protection Factor of 10.

Specification

Part no	Description
MPV-629	Valuair Cartridge Mask complete with A2 Filter cartridges and pre-filters
MPV-492	Pair of pre-filter covers plus ten filter pads
MPV-494-K2	Pack of two A2 specification filter cartridges
MPV-4006	One piece protective goggles for use with half masks



Part no: MPV-496 and MPV-497
Freedom Half Mask.

DEVILBISS MPV-496

HALF-MASK RESPIRATOR

- Lightweight, dual filter, semi-disposable Half Mask Respirator
- Can be used up to a maximum of 28 days
- Maintenance free and requires no spare parts
- Low nose bridge helps to accommodate goggles for optimum vision and safety
- Head strap has no buckles or fasteners and is comfortable and easy to use

Specification – A2 Filters

A2 filters are for use against organic vapours with boiling points above 650° C. The Freedom mask with A2 filter cartridges can therefore be used in areas of contamination up to 10 x the Occupational Exposure levels set by the Health and Safety Executive. Suitable for use with cellulose paints, primers, lacquers and varnishes but not suitable for use with Isocyanates. Assigned Protection Factor of 10.

4 5

Part no	Description
MPV-496	Freedom Cartridge Mask complete with A2 Filter cartridges
MPV-4006	One piece protective goggles for use with half masks

DEVILBISS MPV-497 FREEDOM

HALF-MASK RESPIRATOR (ALTERNATIVE TO MPV-496)

- Disposable half mask
- Lightweight, soft pliable face piece
- Comfortable elasticised moulded head strap and cradle
- Excellent Visibility
- Protection filter factor A1B1E1K1 - Alternative to A2 specification
- Weight – only 265g

The MPV-497 is identical to the MPV-496 apart from the filtration specification type - It protects against organic and inorganic vapours, acid, ammonia and its derivatives, fine solid particles, liquids and aerosols. Moulded in thermoplastic it has an exceptionally comfortable facial seal and a low nosepiece for good vision. It is completely silicone free.

4 5

DEVILBISS GUN MOUNTED PAINT FILTERS

2 4



Part no: VSA-512 3/8" BSP Fluid Filter Assembly (Excludes gun)

- Prevents paint inclusions in the sprayed finish
- Superior Stainless Steel construction
- Suitable for solvent and waterborne paints and materials
- Competitive list price
- Includes THREE filter elements as standard (60, 112 and 280 micron)
- Universal female thread – fits onto all 3/8" threaded guns
- Accepts USA and French style filter elements.

The paint filter assembly has been specifically designed for use with all types of low pressure spray painting equipment and comes complete with a range of three styrene filter inserts as standard. The VSA-512 is manufactured from high grade Stainless Steel with "universal" 3/8" threads for easy use on both BSP and NPS threaded spray guns.

Part Number VSA-512

St St Gun mounted paint filter kit includes one of each filter screen (Green/Blue & White)

Gun Mounted Replacement Filters:-	
VSA-3	Spare 60 Micron Green filter (.0024")
VSA-4	Spare 112 Micron Blue filter (.0046")
VSA-5	Spare 280 Micron White filter (.0125")

GRAVITY AND SUCTION CUPS AND SPARES

4 5



Gravity Feed Cups

Part No	Description
GFC-501	568ml (1 Pint) Acetal gravity cup for Advance/GTI/GFG
KGP-509-1	284ml (1/2 Pint) Nylon gravity cup for GFG (HD)
SRI-510	125ml Acetal gravity cup
SRI-42-K3	Pack of 3 cone filters
SRI-478-K12	Pack of 12, 125ml gravity cups for SRI (HD)
GFC-402	Lid assembly for GFC-501 gravity cup
KGP-401	Lid assembly for KGP-509 gravity cup
GFC-17-K5	Washer
GFC-2-K5	Pack of 5 drip check lids
KGP-5-K5	Pack of 5 gravity cup strainers for GFC-501 & KGP-509
SRI-8-K6	Pack of 6 lids for SRI gravity cups (HD)

Suction Feed Cups

Part No	Description
KR-566-1-B	1 litre Suction Cup complete
KR-4001-B	Cup Lid Assembly
KR-11-K3	Lid Gasket - Kit of 3
KR-115-K5	Drip Free Diaphragm - Kit of 5
KR-483-K10	Kit of 10 mesh KR cup strainers – to fit 7/16" tube, 115 Micron
KR-484-K10	Kit of 10 mesh KR cup strainers – to fit 7/16" tube, 350 Micron
KR-110-K3	Kit of 3 Spot Pots

DEKUPS DISPOSABLE CUP SYSTEM

4



The lightweight cup liner collapses easily providing a consistent paint flow with minimal paint wastage.

DPC-601 DeKups kit contains 32 disposable lids and liners. Note: The kit does not include disc, stick filters or plugs. For more info and accessories see the price list.

Part no: DPC-601



DRIP-FREE DIAPHRAGMS

4 5



Part no: KR-115-K5 (Pack of 5)

Prevents suction cup leaks and vent hole blockage.

- Allows the cup to be used at angles without fear of leakage
- Fits snugly under the cup lid - no need to remove the gasket
- Shallow wedge shape flows paint away from the vent hole
- Keeps a suction gun working smoothly.

SPRAY GUN OIL

4 5



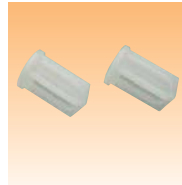
Part no: GL-1-K10 Kit of 10 sachets of spray gun oil

Daily lubrication ensures a gun's long service life.

- Keep your Spray Gun in A1 working order
- A silicone-free lubricant has no affect to quality finishes
- Small, handy sachets to keep in the spares box

SUCTION CUP FILTERS

4



Convenient, easy fit suction cup paint filters.

- Effectively removes dirt, flakes and scum
- Keeps the Spray Gun passages clear
- Inexpensive and virtually indestructible
- Resistant to most solvents easily cleaned
- Pushes onto the fluid tube of KR suction cups.

Part no: KR-484 51 mesh filter screen (general purpose)
KR-483 130 mesh filter screen (finer filtration)

GUN CLEANING BRUSHES

4 5



Ideal for a variety of gun cleaning jobs.

- Tough, resilient bristles for useful service
- Correct size for cleaning most parts of the gun
- Ring ended for hook storage.

Part no: 4900-5-1-K3
Pack of 3 brushes

BINKS DISPOSABLE PRESSURE TANK LINERS

4 5



- Enable quick colour changes
- Reduce solvent costs
- Reduce clean-up time
- Solve disposal problems
- Will not contaminate material

Custom made of tough, durable high-density Polyethylene for maximum performance. Includes Anti-Static additive to minimise static electricity build-up from the friction of shipping and handling liners.

When combined with the use of disposable liners, there is no more economical way to run a paint operation for most applications.

Replacement tank liner part numbers are:	
10 litre (2.8 gal.)	PT-78-K10 (10 pack) or K60 (60 pack)
40 litre (11.8 gal.)	PTL-412-K8 (8 pack)
60 litre (19.8 gal.)	PTL-415-K10 (10 pack)

ACCESSORIES

DGI PRO DIGITAL AIR PRESSURE ADJUSTER 4 5



- Clear and Accurate DIGITAL Air Pressure Display
- Extremely accurate
- Easy to read
- Very tough
- Solvent resistant
- Zone 0 - Intrinsically safe
- Clear and easy to read, just squeeze the trigger and set.

Part no: DGIPro-502-BAR
Provides accurate control of air pressures on Spray Guns, Paint Pumps, Pressure Tanks and many other finishing products and applications.

The DGI Pro digital air pressure gauge by DeVilbiss is a 'Zone 0' approved digital air pressure gauge designed specifically for the Spray Finishing Industry. Engineered by DeVilbiss, the DGI Pro can even be put into the gun wash machine! Accurate and repeatable pressure settings to within .05 bar are assured with the smooth valve action.

The DGI Pro is designed to have a service life of two years based on 24 hours a day continuous use.

DEVILBISS "UNI" SWIVEL FITTING (LOW PRESSURE) 4 5



- Fits DeVilbiss/Binks and most other guns
- Reduces the risk of RSi
- Operator friendly - reduced "hose drag"
- Swivels and angles the Spray Guns

Part no: MPV-60 or MPV-60-K3 (pack of 3)
Avoiding repetitive strain injuries (RSI) is becoming more and more important in workshops and modern bodyshops. Whilst reducing the weight of spray guns and air tools has been a major help, DeVilbiss have introduced another way forward in combating the problem.

This simple, practical accessory really helps to ease the weight of the hose and reduce fatigue when spraying. It angles as well as rotates so reducing hose drag and pull on the Spray Gun handle. It comes with a male quick-detach stem fitting to give instant, spannerless air hose fitting and has a 1/4" thread for gun or air tool attachment.

AIR BLOW GUN 4 5



Harness your compressed air for clean-up's.

- Lightweight
- Durable design
- Fitted with safety diffuser
- Low noise factor
- Lightweight.

Part no: DGD-505-E

MIXING CUPS 4 5



Easy-to-use, disposable mixing cups.

- Handy, disposable, easy stacking mixing cups
- Made from solvent resistant clear polypropylene
- Permanently marked with 2:1, 3:1 and 4:1 mix ratios
- Calibrated with a 0-600 volumetric measurement scale.

Part no: MC-1-K50
Pack of 50 cups

VS-522 FLUID STRAINER 4



Complete with 150 micron filter element as standard, for use with pressure tanks and low pressure diaphragm pump systems.

- Fits directly onto the Pressure Tank or Pump outlet
- Improves quality of paint finish by removing unwanted particles etc
- Brass/Nickel plated construction with nut and tail piece (3/8") for easy connection.

Part no: VS-522
Part no: VS-55 for replacement 150 micron nylon conical filter element.

IN-LINE AIR ADJUSTING VALVE 4 5



Lightweight, at the gun pressure adjustment.

- Fits neatly in-line at the gun air inlet
- Ideal for setting up Compliant and HVLP Spray Guns
- Increase or decrease working pressure at-the-gun
- Loose swivel nut for convenient positioning
- Lightweight design (only 50 gms) does not affect balance
- 40mm diameter gauge in PSI and Bar
- Calibrated up to 11 Bar (160 PSI).

Part no: HAV-501

PROFESSIONAL SPRAY GUN CLEANING KIT 4 5



- Multi-purpose professional kit suitable for all Spray Guns
- Comprehensive range of brushes and tools
- Can be easily hung in the gun cleaning area
- Includes cleaning instructions and Spray Gun oil.

Part no: KK 4584

VISCOSITY CUPS 4



The fast, simple way to check out paint viscosity.

- Tough, durable, easy to clean Nylon
- Precision metal drain out insert
- Hanging hook for convenient storage
- No. 4 Ford Cup.

Part no:7000-114-K2
Pack of 2 viscosity cups

SPOT POTS 4 5



- 0.5 litre capacity Nylon cup insert cuts down on costly paint mixes
- Tapered base ensures that minimal quantities of paint can be utilised
- Quickly and easily cleaned for frequent colour changes
- Fits all 1 litre capacity KR type suction cups.

Part no: KR-110-K3

GRAVITY CUP FILTERS 4



Convenient, easy fit gravity cup paint filters.

- Eliminate the risk - fit a filter
- Fits snugly in the neck of the gravity feed cup
- Effectively removes dirt, flakes and scum
- Keeps the finish blemish free
- Inexpensive and virtually indestructible
- Resistant to most solvents and easily cleaned.

Part no: KGP-5-K5
Pack of 5 filters

IN-LINE AIR FILTERS 4 5



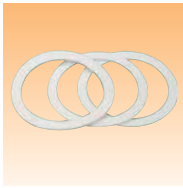
Lightweight, gun mounting air filter.

- High efficiency action traps water, oil and dirt
- Incorporates multi-layered, high efficiency filter pads
- Minimal pressure drop and long service life
- Tough, solvent resistant Delrin® housing with 1/4" threads
- Lightweight design (only 50 grams) does not affect balance.

Part no: HAF-507

SUCTION CUP LID GASKETS

4 5



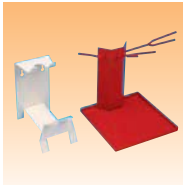
Ready to use, purpose fit suction cup lid seals.

- Choose between Tri-seal or traditional leather
- Handy packs of 3 replacement gaskets
- Fits all DeVilbiss KR type suction cups.

Part no's:
KR-11-K3 Tri-seal gaskets.
KR-69-K3 Leather gaskets

GRAVITY GUN STANDS

4 5

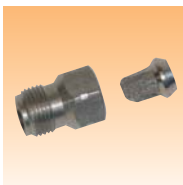


Stable metal workbench gun stands.

Part Number	Description
GFV-50F	Single gravity gun bench top stand
GGs-1	3 gun stand

MINI-FILTER (FLUID)

4



Stainless Steel final filter for all types of Spray Guns.

- Lightweight compact design
- Small internal volume – reduces paint wastage during cleaning/purging
- Fully Stainless Steel
- For use with waterborne and solvent based materials.

Part no: MF-6B-100B

Mini-Filter Pt No	Mesh size	Filter cartridge only	Thread
MF-6B-70B	200 micron	MFC-70	3/8" BSP
MF-6B-100B	149 micron	MFC-100	3/8" BSP
MF-6B-150B	100 micron	MFC-150	3/8" BSP
MF-6B-200B	74 micron	MFC-200	3/8" BSP

DEVILBISS EYE PROTECTION GOGGLES

4 5



The use of goggles with an air fed or cartridge half mask respirator is strongly recommended. The MPV goggles are light and comfortable to wear and provide impact resistance in accordance with EN166. The lens is treated with an anti-mist agent and the frame is manufactured in clear flexible PVC.

Part no: MPV-4006

- Modern, comfortable, lightweight design.
- Protects against impact from dust and liquid droplets.
- Adjustable and elasticated headstrap.
- Optically clear acetate lens with anti-mist treatment.
- Weight - 90 grams.
- Replaceable tear off overspray shields.

REPAIR KITS (AIR REGULATOR) FOR PRESSURE CUPS/TANKS

4 5



Tank/Cup	Part Number	Description
KB-522-B	KK-4887-2	Remote Cup
80-600-CE	80-617	Steady-Grip Pressure Cup
83C-210 10L	KK-4977	Zinc Plated Pressure Tank
83Z-211 10L	KK-4977	ST ST Pressure Tank
83G-1013 40L	KK-4977	Galvanised Pressure Tank

Refer to Product Service Bulletin for more information.

SERVICE KITS DVP DIAPHRAGM PUMPS

4 5



DVP Type	Part Number	Description
DVP-510 / AN	KK-4630	Diaphragm and Pin
	KK-4631	Fluid valve for standard pump
	KK-4633	Reverse Switch Valve
	KK-4634	Pneumatic distribution kit
DVP-510	KK-4632	Fluid Valves for Ceramic Pump

SERVICE KITS DX70 DIAPHRAGM PUMPS

4 5



Part Number	Description
DXK-1	Check valve seal kit x 4
DXK-2	Check valve kit x 4
DXK-3	Diaphragm kit x 2
DXK-4	Shaft & seal kit
DXK-5	End cap seal kit x 2
DXK-6	Caps & screws x 2
DXK-7	End cap nuts x 10
DXK-8	End cap

CONDUCTIVE GLOVES

4



Part no: 76633-00-K12

Conductive Gloves pack of 12 Electrostatic Conductive Gloves provide electrostatic contact with the applicator whilst keeping the operators hands clean and protected.

DISPOSABLE GUN COVERS

4



Part no: 79529-00-K5

Disposable Gun Covers for Vector/Solo Guns

PROTECTION HOSE

4



11775-05

Protection hose 30mm grey for Vector/Solo Guns



11775-10

Protection hose 55mm grey for Vector/Solo Guns

SPRAY GUN SERVICE KITS

Manual Spray Guns

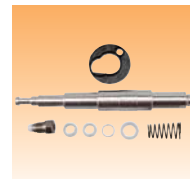
Gun Type	Kit	Description
Advance HD	GTI-428-K5	Seal and Pin Kit
Suction/Gravity/Pressure	PRO-415-1	Spray Gun Service Kit
AGP/AGPV/AGT	AGX-7-K2	Packing Spring Set
	KK-4690	Piston Repair Kit
	GTI-425-K	Baffle
Compact - Suction/Gravity/Pressure/	SPK-101-K	Air Valve Service Kit
	SPK-102-K	Retaining Ring Assembly
	SPK-401-XX	General Service Kit incl. Tip and Needle
	SPK-402-K	Service Kit With Seals and Springs
EGA/EGHV	KK-5044	Gasket & Seal Kit
FLG-3 Gravity	FLG-488	Gasket & Seal Kit
FLG-5 Gravity / Suction	K-5030	Baffle Replacement Kit
	K-5040	Repair kit - seals and springs inc. tool
FLG-5 Pressure	K-5032	Baffle Replacement Kit
	K-5044	Repair kit - seals and springs inc. tool
GTi Gravity/Suction	GTI-414-K	Needle Adjusting Screw
	GTI-416-XX	General Service Kit incl. Tip and Needle
	GTI-425-K	Baffle & Seal Assembly
	GTI-445-K2	Needle Packing
	JGK-449-K	Air Valve Kit
	KK-4585	Gun Maintenance Kit
GTi Pressure	GTI-414-K	Needle Adjusting Screw
	GTI-425-K	Baffle & Seal Assembly
	GTI-426-XX	General Service Kit incl. Tip and Needle
	GTI-445-K2	Needle Packing
	JGK-449-K	Air Valve Kit
	KK-4585	Gun Maintenance Kit
GFG HD/GTi HD/JGA HD/SRi HD/Pri HD/	GTI-428-K5	Seal and Pin Kit
	PRO-415-1	Spray Gun Repair Kit
JGA/JGV/GFG	GTI-414-K	Needle Adjusting Screw
	GTI-445-K2	Needle Packing
	JGK-449-K	Air Valve Kit
	KK-4502-XX-H	General Service Kit incl. Tip and Needle
	KK-4558	Gasket & Seal Kit
	KK-4585	Gun Maintenance Kit
MSAT	GTI-414-K	Needle Adjusting Screw
	GTI-425-K	Baffle & Seal Assembly
MSVAD-529	KK-5037-1	Gasket & Seal Kit
PRI Gravity	GTI-414-K	Needle Adjusting Screw
	GTI-425-K	Baffle & Seal Assembly
	GTI-445-K2	Needle Packing
	JGK-449-K	Air Valve Kit
SRi Gravity	SRI-416	Gasket & Seal Kit



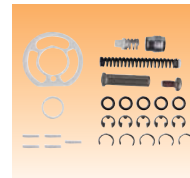
Part no: KK-4502-XX-X



Part no: GTI-428-K5



Part no: K-5044-N



Part no: PRO-415-1

Automatic Spray Guns

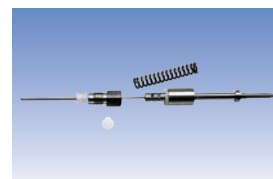
Gun Type	Kit	Description
95A	54-3579	Repair Kit
460	250035	Repair Kit
550	54-3121	Repair Kit
AA4400A	SPK-119	Dynamic Seal Kit
	SPK-120	Needle Seal Kit
	SPK-121	Manifold Seal Kit
AGG	KK-4501-XX-X	General Service Kit incl. Tip and Needle
AGGS	KK-4566-XXX	General Service Kit incl. Tip and Needle
AGN	KK-4998	Repair Kit
COBRA 1	SPK-117	Seals
COBRA 2	SPK-109	Manifold Seals - Viton Extreme
	SPK-118	Dynamic Seals - Viton Extreme
GTI-A	GTIA-406-XXX	General Service Kit incl. Tip and Needle
MAG AA	54-5307	Seal Kit



Part no: SPK-117

Airless and Air Assisted Airless Spray Guns

Gun Type	Kit	Description
A3500/A7500	54-5760	Airless Gun Repair Kit
AA1500	54-4970	Repair Kit
AA4000	54-4993	Repair Kit
	54-5447	Cartridge Assembly
Airless 1	6-236	Service Kit
AA4400M	54-5826	Fluid Needle Kit
	54-5827	Filter Bracket Kit
	54-5829	Body Bushing Kit
	54-5835	Trigger Spares Kit
	54-5838	Fluid Inlet Kit
HAP-50D	0114-013559	Seal Kit
	0114-013560	Repair Kit
HAP50F	0114-013560	Repair Kit



Part no: 54-5826

1 Tips/needles = Stainless Steel as standard 2 Stainless Steel fluid passageways
 3 Optional = Tungsten Carbide and hardened tips/needles 4 Substrate = Wood, metal, plastic and others 5 Substrate = Ceramic and glaze



Operator Training Support

We conduct regular operator training courses throughout the year in our fully equipped industrial training centre's in Bournemouth, Valence and Dietzenbach.

The "modular" training courses cover all aspects and technologies used in the field of Industrial Spray Finishing. Delegates are able to gain valuable "hands-on" and "theoretical" experience with the advanced range of finishing products available, featuring the world renowned brands of Binks, DeVilbiss and Ransburg. Training is also provided on the industry specific health & Safety and statutory (ATEX/CE) requirements necessary in the demanding Spray Industry. The course agendas and dates are available on request.



Training Program

1 and 2 day courses are available for many different products and technologies and are customised for customers and our distributor personnel (Sales, Service & Technical).

Our professional trainers utilise the very latest training techniques and facilities to provide delegates with everything necessary to begin using and servicing our finishing equipment. Upon completion of the modular training courses a professional training certificate will be presented to the delegates to confirm the specific training received.

Training modules include:

- P1 Manual Spray Guns
- P2 Automatic Spray Guns
- P3 Electrostatic Spray Guns
- P4 Pump and Fluid Handling inc; Pressure tanks, Regulators and Agitators
- P5 Plural Component 2K Magic Flow
- R1 Electrostatic Gun Repair
- R2 Pumps and Fluid Handling Repair
- R3 Manual and Automatic Spray Gun repair (Conventional and Trans-Tech/HVLP)

Quality policy

We continually strive to reliably deliver world class products that meet and exceed the expectations of our customers in respect of price, quality, innovation, performance, service and legal / regulatory requirements.

As a global company operating through decentralised manufacturing units with a regional customer focus. Within the manufacturing scope of our business is a product range that extends from manually operated spray guns through to electrostatic spraying systems. Specific provision is made for

products intended for use in potentially explosive atmospheres as defined within the Atex directive 94/9/EC in accordance with annex IV, by the implementation of BS EN 13980:2002 and is supplementary to the ISO9001:2000 Quality Management System. Defining and measuring Quality Objectives as a result of planned reviews and audits forms the basis for continuous improvement of our business. New objectives can be implemented at any time and are directed through the organisation as appropriate.



On-time Deliveries and Keeping you Informed

Diamond and Sapphire Partners Europe

Unique commercial advantage

Diamond and Sapphire Partners are the highest level distributors and are our certified centres of excellence in your locality. A Diamond or Sapphire Partner provides the complete solution for all your finishing requirements. They are able to put the global resources of the company at your disposal and use the company's wealth of experience in finishing technology to answer your problems and give you a unique commercial advantage. For the name and address of your nearest Diamond or Sapphire Partner please visit our website or contact us.

Multilingual Literature and Product Service Bulletins

We produce a wide range of all encompassing multilingual literature covering all markets and applications. A detailed list of literature is available via the European web site www.finishingbrands.eu. Literature is also available by contacting us direct.

www.finishingbrands.eu

The Binks, DeVilbiss, Ransburg Europe Product Finishing web site is dedicated to provide finishing solutions for users operating in all application markets. The site has been built with multi-lingual options in English, French, German, Italian, Spanish, Russian, Turkish, Polish and Arabic. More languages are under construction. Visitors will find the web site extremely easy to navigate as the site has been constructed using all of the very latest high speed technology includes a complete reference to all technical documentation, service bulletins and literature. It is the intention to ensure this site is always kept up to date with recent news features, promotions and regular additions providing the latest information on Finishing Products and Services.

GreenSpray programme

Call today for a free GreenSpray audit.

Our team of experts can conduct a free audit of your finishing facility and offer constructive help and advice to provide practical solutions and recommendations to everyday Finishing Room challenges. This free end user programme can very often result in reduced overheads, lower maintenance costs, improved production speeds or better operator practices for our valued customers.



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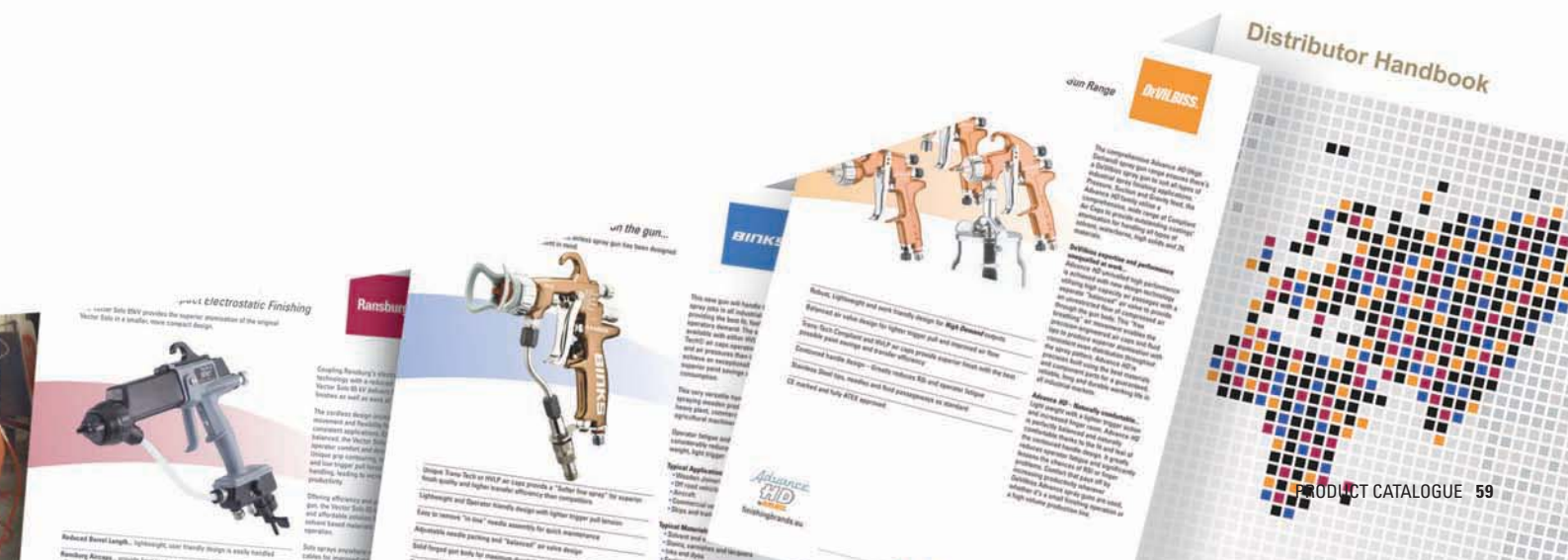
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Finishing Brands



Finishing Brands (UK) Limited
Ringwood Road, Bournemouth, Dorset
ENGLAND BH11 9LH
Tel: +44 (0) 1202 571111
Fax: +44 (0) 1202 573488
Email: marketing-uk@finishingbrands.eu



Finishing Brands Germany GmbH
Justus-von-Liebig-Strasse 31,
63128 Dietzenbach GERMANY
Tel: +49 (0) 6074-403-233
Fax: +49 (0) 6074-403-281
Email: marketing-de@finishingbrands.eu



Surfaces et Finitions
163-171 Avenue des Auréats, BP 1453
26014 Valence cedex FRANCE
Tel: +33 (0) 4 75 75 27 00
Fax: +33 (0) 4 75 75 27 59
Email: marketing-fr@finishingbrands.eu



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