

DeVILBISS® **Ransburg®** **ms®** **BINKS®**

Carlisle Fluid Technologies
Product Catalogue

ENGLISH



SOLUTIONS FOR YOUR WORLD



Solutions for your World

Carlisle Fluid Technologies is a global company which manufactures equipment for the supply, application and curing of sprayed materials including paints, coatings, powders, mastics and bonding materials. Our European facilities are located in the UK and Switzerland. We also have facilities in the USA, India, China, Japan and Australia.

We are best known for our world leading brands of Binks, DeVilbiss, MS, Ransburg and BGK. All of our brands are highly respected in their market sectors for quality in design and manufacture and the cutting edge technology inherent in their product ranges.

Carlisle Fluid Technologies supplies market leading equipment and accessories for all major manufacturing industry sectors. This includes aerospace, automotive manufacture and tier 1 & 2 suppliers, automotive repair & refinishing, ceramic tableware & sanitary ware, consumer goods, engineering, military & defence, windows, exterior joinery, wood & furniture; anywhere, in fact, that a paint, coating or bonding material needs to be applied to a surface.

As a combined group we have over 375 years' of collective Finishing Industry experience.

Innovation

Carlisle Fluid Technologies has developed a strong culture of Innovation. All of our brands have a reputation for producing quality products at the forefront of technological advancement. Many of our product success stories begin at our customers' point of use where the needs of the spray technician are most apparent. Thanks to the expertise of our product development team and sales force (many of whom are trained engineers) we are well equipped to provide practical and time-sensitive solutions to the most complex of customer requirements. Our seasoned production team intimately understands the manufacturing challenges facing customers and can develop original solutions to meet their needs from the ground up.

Global manufacturing and R&D

We have manufacturing facilities located in Europe and the USA, and a long established Distributor Network serving all countries around the World.

Carlisle Fluid Technologies has built its reputation by being the originators of much of the new technology in use in today's spray finishing world. Our R&D Centres of Excellence are based in several locations around the world so as to be in constant touch with local markets, new ideas and our customers' individual requirements.

Innovations such as the Binks Smart Pump and Smart control technologies as well as our DeVilbiss Trans-Tech, compliant air-caps have kept us at the forefront of finishing technology. We dedicate significant resources to research and development and work closely with the leading paint and coatings suppliers' to ensure our equipment consistently provides the high standard of finish our customers demand.

This catalogue depicts the range of Binks, Devilbiss, MS and Ransburg spray finishing products available through our European Sales and Marketing operations. For information on products sold from our other global locations, please visit our global web site www.carlisleft.com.

The Global Leader in Fine Spray Atomisation. 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 markets.

DeVilbiss maintains its commitment to innovative technology by encouraging a culture of constant testing and development. This ensures that a continuous process of product innovation is implemented in our product offering so as to ensure the highest quality finish whilst maximising productivity for customers.



Ransburg, the Inventor and Global Leader in Electrostatic Coating Technology. Harold Ransburg developed the first electrostatic application system in 1940 with the introduction of the Ransburg No1 gun. Further developments through the 50s and 60s saw Ransburg achieving material transfer efficiency levels of up to 98%, resulting in dramatic cost savings and reduced VOC emissions.

Today, Ransburg is acknowledged as the market leader in the design and manufacture of electrostatic equipment. Its cutting edge technology is built into every one of its products from manual guns to robot mounted bell atomizers.



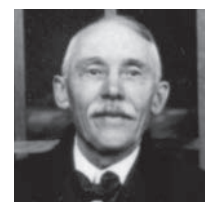
MS Powder Systems, Specialists in advanced powder coating equipment and systems. MS was founded by the Marcon Family in 1991 and joined the Carlisle Fluid Technologies' family in early 2016. Since its foundation, the company has steadily grown and developed into a leading manufacturer and installer of powder coating and booth systems.

MS moved into its purpose built facility at Balgach, Switzerland in 1999 and, teamed with CFT, has now expanded its market to reach customers in every corner of the globe.



Binks, The single source for spray finishing and fluid handling. In 1890, Joseph Binks pioneered the spray gun industry with the introduction of the first cold-water paint spraying machine. Binks used his invention to famously rescue the 1896 Colombian Exposition when, just days before the opening, nine of ten exhibit buildings stood unpainted, yet Binks was able to complete the project on time.

Today you will find spray finishing and fluid handling technology from Binks at work in virtually every industry around the world, from major automotive manufacturing plants to local contract coating specialists.





European Facilities



Bournemouth, UK facility



Balgach, Switzerland facility

Distribution

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

After thorough evaluation of how best to serve our customers, an active network of established distributors has proved by far the best method of reaching out to our market. 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 the implementation of approved management systems.

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Substrate indicators guide users where our products can be applied:

- ❶ Tips/needles = Stainless Steel as standard
- ❷ Stainless Steel fluid passageways
- ❸ Optional = Tungsten Carbide and hardened tips/needles
- ❹ Substrate = Wood, metal, plastic and others
- ❺ 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. This resulted in a revolution in the way our spray guns atomise paints and set the bench mark in paint transfer efficiency, 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 at the summit of spray equipment manufacture 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 Finishing Markets. DeVilbiss is widely recognised for the development and introduction of the first "Compliant" spray guns, which greatly reduce overspray and VOC emission into the environment. The company's 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 coatings. (For a detailed explanation of these technologies see page 6 and for electrostatic technologies page 22).

Applications

- Aircraft and Aerospace Industry
- Automotive (OEM and Tier 1)
- Agricultural and Farming Machinery
- Furniture Manufacturers (Wood and Metal)
- General Industry
- Leather Goods and Shoe Makers
- Defence and Military 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

Advance
HD
by DEVILBISS.

The all purpose mid-sized Compliant spray gun range

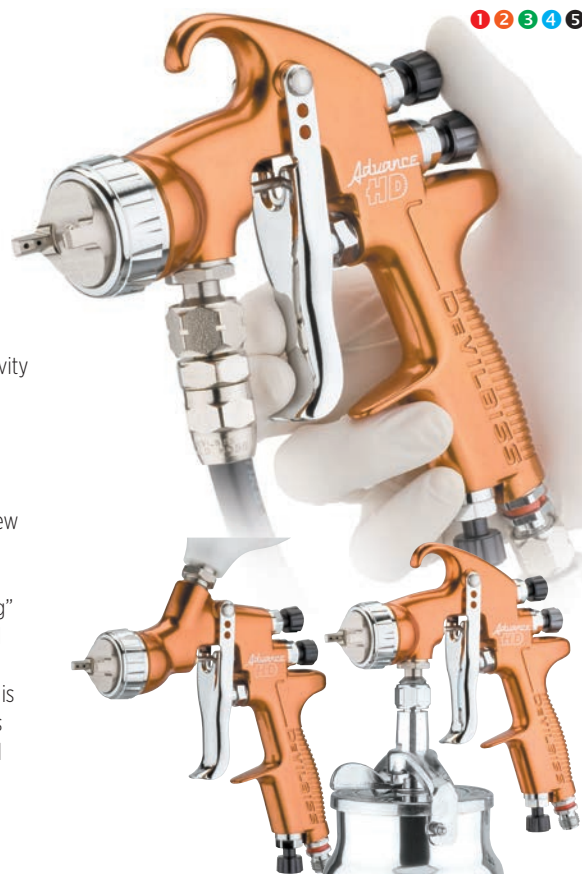
- Robust, Lightweight and work friendly design for High Demand outputs
- Balanced air valve design for lighter trigger pull and improved air flow
- Trans-Tech Compliant and HVLP air caps provide superior finish with the best possible paint savings and transfer efficiency
- Contoured handle design – Greatly 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.



Key features and benefits



- "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.

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	P G	P	P G S	P G S	P G S	P G S
505	HVLP			P	P	P	P G	P G	P G S	P G S	P G S	P G S
590HV	HVLP	P	P		P							
510+	Trans-Tech			P	P	P	P G	P G	P G S	P G S	P G S	P G S
513	Trans-Tech			P	P	P G	P G	P G	P G S	P G S	P G S	P G S
515	Trans-Tech			P	P	P	P	P	P	P	P	P
520	Trans-Tech			P	P	P G	P G	P G	P G S	P G S	P G S	P G S
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.

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.

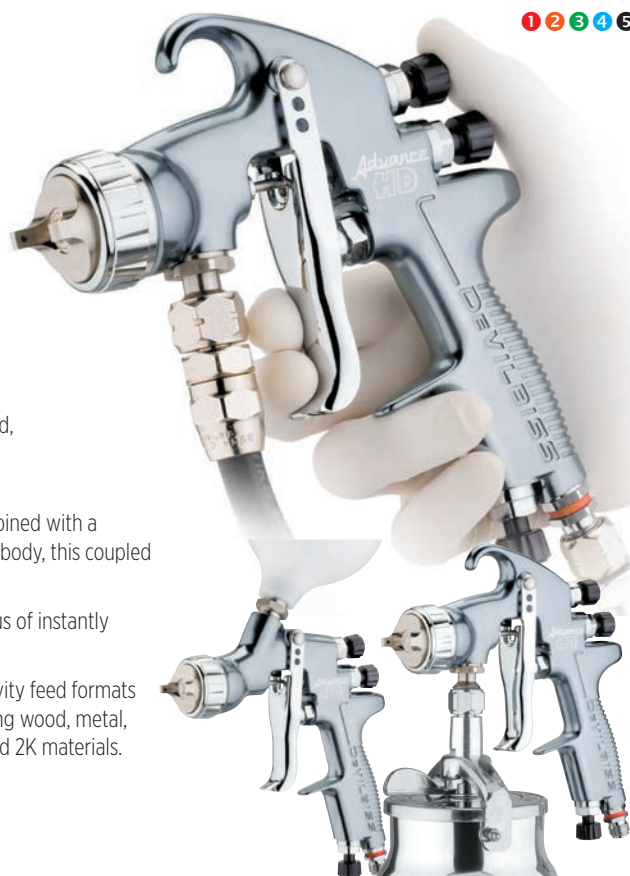
DeVilbiss outperforms the rest.

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.

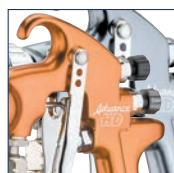
The DeVilbiss Advance HD (High Demand) spray guns are available in Pressure, Suction and Gravity feed formats and a wide range of conventional technology Air Caps provide exceptional atomisation for coating wood, metal, plastic, ceramic and composite substrates with most types of solvent, waterborne,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

Advance
HD
by DEVILBISS.



1 2 3 4 5

for 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



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	P G	P G	P G S	P G S	P G S	P G S	P G S	
443	Conventional	P	P	P G	P G	P S	P S	P G S	P G S	P G S	
462	Conventional									P†	P†
470	Conventional									P†	P† 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 & tungsten carbide tips and needles are available in these sizes.

Spray Gun Extension's

See page 20 for the complete range



See page 71 for Service Kits.



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



Gravity cup
pt. no. GFC-501



Gravity cup (Black polyester)
pt. no. GFC-515 for difficult fluids

Advance
HD
by DEVILBISS



ADVANCE HD

GRAVITY SPRAY GUN WITH PRESSURE ASSISTED CUP

DeVilbiss Advance HD pressure assist gravity cup system is perfect for the application of heavy 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 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	PI = 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.

Pro
LITE



The Pro Lite gun is also available with "locked" gun controls for automotive applications.

DEVILBISS PRO LITE

MANUAL SPRAY GUN RANGE

Professional spray equipment for Fine Finishing.

DeVilbiss expertise and performance unequalled at work...

The GTi PRO Lite spray gun family ensures there's a DeVilbiss spray gun to suit all types of spray finishing applications. Pressure, Suction and Gravity feed, the range utilises a comprehensive range of new development Air Caps and fluid nozzles to provide outstanding atomisation for handling all types of Industrial solvent based and waterbased coatings. The PRO Lite is precision built using the highest quality materials and component parts for a guaranteed, reliable, long and durable working life in all markets. A drop forged aluminium body with tough anodised external finish, high grade stainless steel fluid tips and needles and nickel plated hard brass air caps all contribute to a gun that can last in the extreme environment of the spray shop.

When routine maintenance is needed then the simple design and easy to maintain format ensures minimum down time and interrupted production.

- Enhanced ergonomics combined with DeVilbiss' legendary fit and feel ensure incredible performance, handling and balance.
- Comprehensive range of Conventional, HVLP and Trans Tech (High Efficiency) Air Caps for choice of Transfer Efficiency, Atomisation power and Application requirements.
- Extensive range of stainless steel, hardened and tungsten carbide fluid tips and needles for all types of industrial applications.
- Coaxial trigger air valve design for lighter trigger pull and improved air flow.
- Drop forged aluminium gun body and removable air baffle for a longer working life.
- Fully Environmental Legislation Compliant with high transfer efficiency resulting in significant paint savings.
- Air adjuster valve provides instant "on gun" pressure adjustment for the sprayer.
- Fully ATEX certified and authorised for use in the EU community.

Air Cap and Fluid Nozzle Options for Gravity GTi PRO Lite (used with PRO-200 series Fluid Tips)

Air Cap	Atomisation Type	0.85 mm	1.0 mm	1.2 mm	1.3 mm	1.4 mm	1.6 mm	1.8 mm	2.0 mm
HV30	HVLP			S	S	S	S	S	S
TE10	Trans Tech (High Efficiency)			S	S	S	S	S	S
TE20	Trans Tech (High Efficiency)			S	S	S	S	S	S

Air Cap and Fluid Nozzle Options for Suction GTi PRO Lite (used with PRO-200 series Fluid Tips)

Air Cap	Atomisation Type	0.85 mm	1.0 mm	1.2 mm	1.3 mm	1.4 mm	1.6 mm	1.8 mm	2.0 mm
HV30	HVLP						S	S	S
TE10	Trans Tech (High Efficiency)						S	S	S
TE20	Trans Tech (High Efficiency)						S	S	S

Air Cap and Fluid Nozzle Options for Pressure GTi PRO Lite Spray guns (used with PRO-205 series Fluid Tips)

Air Cap	Atomisation Type	0.85 mm	1.0 mm	1.2 mm	1.3 mm	1.4 mm	1.6 mm	1.8 mm
HV30	HVLP	S	S	S		S	S	S
TE10	Trans Tech (High Efficiency)	S	S	S		S	S	S
TE20	Trans Tech (High Efficiency)	S	S	S		S	S	S
TE30	Trans Tech (High Efficiency)	S	S	S		S	S	S
TE40	Trans Tech (High Efficiency)	S	S	S		S	S	S
TE40R	Trans Tech (High Efficiency)	S	S	S		S	S	S

S = High Quality Stainless Steel Tips and Needles available in this type and size

N = Nitride Hardened Tips and Needles also available in this type and size

C = Tungsten Carbide Tips and Needles also available in this type and size



DEVILBISS PRO LITE E

CERAMIC AND ENAMEL INDUSTRY HAND GUN

1 2 3 5

The DeVilbiss PRO Lite E is an enhanced version of the PRO Lite exclusively designed for heavy duty spray finishing and surface coating applications in the ceramic and vitreous enamel market.

The combination of highly abrasive coatings plus high fluid flow rates present particularly difficult conditions for application equipment, and the DeVilbiss

PRO Lite E has been designed for continuous and reliable performance in this environment.

The standard gun body forging is first coated with our specially developed Quickclean™ coating to reduce cleaning time and improve durability even more. Then the coated gun body is machined and fitted with a fluid passageway liner so that the fluid only ever touches stainless steel taking away any concerns regarding corrosion or fluid incompatibility.

Finally the gun is fitted with a special abrasion resistant needle packing to withstand the aggressive action of ceramic coating on the sliding needle shaft.

- The perfect gun for enamel, ceramic and glaze applications with drop forged aluminium body, Quickclean™ black gun body coating and specialised needle packing for a longer working life.
- Comprehensive range of Conventional Air Caps.
- Extensive range of stainless steel, hardened and tungsten carbide fluid tips and needles for all types of ceramic applications.
- Increased diameter Stainless Steel large bore Fluid Passageways for fluid flows up to 3.5 L/min with heavy weight ceramic glaze.

Conventional Air Caps for Pressure PRO Lite E hi-flow ceramic coating applications (used with PRO-250 series Fluid Tips)

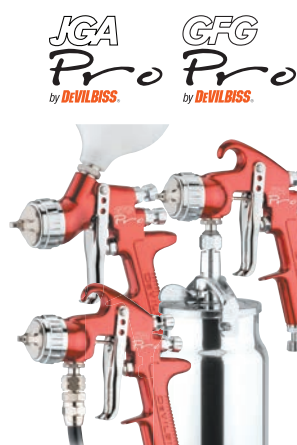
Air Cap	Atomisation Type	1.4 mm	1.6 mm	1.8 mm	2.0 mm	2.2 mm	2.8 mm
C62	Conventional						SNC
C64	Conventional					SNC	
C67	Conventional	SN		SNC			

S = High Quality Stainless Steel Tips & Needles available in this type & size

N = Nitride Hardened Tips & Needles also available in this type & size

C = Tungsten Carbide Tips and Needles also available in this type & size

PRO Lite E spray gun is for use on Ceramic/Enamel water based materials only.



JGA AND GFG PRO CONVENTIONAL

PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS

1 4

The World's favourite spray guns just got better with the introduction of the new JGA / GFG PRO range.

The DeVilbiss JGA & GFG PRO are high performance conventional air atomising guns suitable for most 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 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.

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 PRO	GFG PRO
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 G S	P G S	P G S
C2		P	P	P	P G S	P G S	P G S
C3		P	P	P	P	P	P

P = Pressure G = Gravity S = Suction

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

JGAPPRO = JGA Pressure Gun PRO
C3 = C3 Air Cap /
10 = 1.0 mm Fluid tip and needle



PRI Pro
LITE
**Example of gun part numbering:
PRILT-GPR10-14 =**

PRILT = PRI Pro Lite Gravity Gun
GPR10 = PR10 Air Cap
14 = 1.4 Fluid Tip and Needle.



PRI PRO LITE

GRAVITY MANUAL SPRAY GUN

**DeVilbiss PRI Pro Lite –
The ultimate in primer spray gun technology**

The PRI Pro Lite is a mid sized compliant gravity feed spray gun specifically designed for the application of modern primers, surfacers and fillers. The all new PR10 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 PR10 air cap is manufactured in plated brass for ultimate durability.

Specification

Air Connection	1/4" Universal
Gun Weight (without cup)	446 g

Air Cap Number and Type	Recommended Inlet Pressure	Air Flow @ 2 bar/29 psi
PR10 – Trans-Tech Compliant	2 bar (29 psi)	300 l/min (11 scfm)

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

The all purpose 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.

SRi Pro
LITE

DEVILBISS SRi PRO LITE

THE ULTIMATE HIGH PRECISION TOUCH-UP AND SPOT REPAIR GUN

The Devilbiss SRi Pro Lite is the ultimate high precision spray gun providing superb feathering control combined with the pattern range and versatility needed for top quality finishing including spot repairs, shading and stencilling, whilst providing excellent comfort stability balance and delicacy of control. A new edition to the range is the SRi Pro Lite Micro which has been custom built for the high precision techniques used in the growing field of micro repairs.

- A small scale high precision spray gun with many practical uses throughout automotive and general industry, ergonomically styled for comfort

Specification

Air Supply Connection	1/4" Universal
Maximum Static Air Inlet Pressure	P1 = 12 bar (175 psi)
Service Temperature	0 to 40°C (32 to 104°F)
Gun Weight – Gun Only	395g (455g with cup)

- Choice of HVLP or Trans-Tech compliant air caps provide superb atomisation of both solvent and waterbased materials.
- Critically engineered Stainless Steel fluid tips & needles give ultimate feathering control
- Balanced air valve design for lighter trigger pull and improved airflow
- Lightweight strong cast aluminium gun body
- Reduced needle spring loading enhances trigger sensitivity
- SRi Pro Lite is supplied as standard with a quality screw-top gravity feed cup with 125mls capacity
- Optional inexpensive semi-disposable cups are available.

Size	Fluid Tip Part Number	Needle part number
0.6mm	SRIPRO-210-06M-K	SRIPRO-310-06M-K
0.8mm	SRIPRO-200-08-K	SRIPRO-300-08-10-K
1.0mm	SRIPRO-200-10-K	SRIPRO-300-08-10-K
1.2mm	SRIPRO-200-12-K	SRIPRO-300-12-14-K
1.4mm	SRIPRO-200-14-K	SRIPRO-300-12-14-K

NB: All SRi Pro Fluid tips and needles are high quality stainless steel.

Air Cap Number & Type		Part Number	Air Consumption	Recommended Fluid Tip/ Air Cap Combinations				
				0.6 mm	0.8 mm	1 mm	1.2 mm	1.4 mm
TE5	Trans-Tech	SRIPRO-102-TE5-K	100 L/min (3.5 cfm)		■	■	■	■
HV5	HVLP	SRIPRO-102-HV5-K	135 L/min (4.8 cfm)		■	■	■	■
RS1	Round Spray	SRIPRO-102-TRS1-K	55 L/min (1.9 cfm)		■	■	■	■
MCI	SRi Pro Micro Trans-Tech	SRIPRO-102-MCI-K	50 L/min (1.8 cfm)	■				



JGA

PRESSURE SPRAY GUN FOR ENAMEL, CERAMIC AND GLAZE APPLICATIONS

1 2 3 5

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

1 2 4

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)

Optional accessories for Manual 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 (Black polyester)
pt. no. GFC-515 for UV applications

See page 71 for Service Kits.



**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.



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' 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

Specification	
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"



DEVILBISS AG-360 SERIES

THE UNIVERSAL ALL ENCOMPASSING AUTO SPRAY GUN LINE UP FROM DEVILBISS

Professional spray equipment for universal superior performance.

Using the acknowledged market leading low Pressure Air Atomisation technology from Devilbiss, the AG-360 series has been developed to provide a blend of finish quality, engineering robustness and superior Transfer Efficiency. The AG-360 Auto gun Series from Devilbiss is available in various gun formats to provide an all-encompassing and universal automatic finishing solution for all applications. Designed to function in the tough working environment of the modern finishing industry, these guns give you maximum productivity with minimum downtime. **AG-361** variants are designed to be cost effective guns with maximum control and serviceability. Available in two models – the **AG-361** for general industrial finishing and the **AG-361E** for the ceramics industry. The **AG-362** guns are more versatile designs – the **AG-362** for general industry and the **AG-362P** particularly developed for the cosmetics and glass industries. The **AG-362** guns are available with two different design manifolds to allow you to choose the layout of air/fluid connection and method of gun attachment. The **AG-362L** Lever operated version for fastest removal and the **AG-362S** Screw attached version with multiple machine mounting options and smaller size.

- A comprehensive range of CONventional, HVLP and Trans Tech (High Efficiency) Air Caps provide a choice of Environmental compliance, Transfer Efficiency, Atomisation power and application requirements.
- Simple construction and easy maintenance for minimal down-time.
- Stainless Steel Fluid Passageways for Water based & Solvent based coating applications.
- Quick detachable mounting manifolds provide fast and easy maintenance.
- Compact size and weight for easy positioning and precise alignment.
- Multiple options and formats to evolve for all application requirements.
- Independent Fan, Atomising and Trigger Air – vital for Robotic and fully automatic machine applications.



DEVILBISS AG-361

NON-MANIFOLD GUN

AG-361 - The Market Leading automatic spray guns for General Applications.

AG-361 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.

- Low Pressure Air Atomising Spray gun for fine finishing and General applications.
- AG-361 series shares common Air Caps and fluid tips with the market leading Devilbiss PRO Lite hand gun. This means the AG-361 range offer consistent application parameters between Automatic and Hand spray stations in the same facility
- Modular, easy to maintain gun construction
- High Grade Stainless Steel gun head and fluid passageways for use with all coating types
- Air Caps available in HVLP, Trans Tech/High Efficiency and CONventional Air Atomisation versions
- Total control of application parameters by means of independent Atomising and Spray Pattern air plus an 18 'click' per revolution fluid needle control knob.

Air Cap and Fluid Nozzle Options AG-361 Gun

Air Cap	Atomisation Type	0.85mm	1.0mm	1.2mm	1.4mm	1.6mm	1.8mm	2.0mm	2.2mm
C1	Conventional	S	S	S	S	S	S		
C2	Conventional	S	S	S	S	S	S		
C3	Conventional	S	S	S	S	S	S		

These Air Caps match with PROC-215-XX Fluid Nozzle where XX=orifice size

HV30	HVLP	S	S N	S	S N	S	S N	S	S N
TE10	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE20	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE30	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE40	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE40R	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N

These Air Caps match with PRO-205-XX Fluid Nozzle where XX=orifice size

S= High Quality Stainless Steel Tips & Needles available in this type & size

N= Nitride Hardened Tips & Needles also available in this type & size



DEVILBISS AG-361E

CERAMIC AND ENAMEL INDUSTRY GUN

A specialised version of the AG-361 for the application of Ceramic Glaze and Waterbased Enamels. The AG-361E has an extended range of specialist Air Caps and Fluid Nozzles capable of handling the high fluid flows and abrasive nature of the coating and environment.

- Completely new dedicated air cap range for the superior application of coatings onto Sanitaryware, Tableware and all ceramicware
- Stainless Steel, Hardened Stainless, Nitride Hardened and Tungsten Carbide version Fluid Nozzles & Needles for abrasive coatings
- Special O ring needle packing designed for waterbased abrasive particle coatings.

Air Cap and Fluid Nozzle Options AG-361E Gun

Air Cap	Atomisation Type	1.4 mm	1.6 mm	1.8 mm	2.0 mm	2.2 mm	2.8 mm
C1	Conventional	S	S	S			
C2	Conventional	S	S	S			
C3	Conventional	S	S	S			

These Air Caps match with PROC-215-XX Fluid Nozzle where XX=orifice size

HV30	HVLP	S N	S	S N	S	S N	
TE10	Trans Tech (High Efficiency)	S N	S	S N	S	S N	
TE20	Trans Tech (High Efficiency)	S N	S	S N	S	S N	
TE30	Trans Tech (High Efficiency)	S N	S	S N	S	S N	
TE40	Trans Tech (High Efficiency)	S N	S	S N	S	S N	
TE40R	Trans Tech (High Efficiency)	S N	S	S N	S	S N	

These Air Caps match with PRO-205-XX Fluid Nozzle where XX=orifice size

C62	Conventional						S N C
C64	Conventional					S N C	
C67	Conventional	S N		S N C			

These Air Caps match with PRO-250-XX Fluid Nozzle where XX=orifice size

S= High Quality Stainless Steel Tips & Needles available in this type & size

N= Nitride Hardened Tips & Needles also available in this type & size

C= Tungsten Carbide Tips and Needles also available in this type & size



DEVILBISS AG-362

THE UNIVERSAL COATING GUN

Built to the same superior specification as the AG-361 automatic guns but with the addition of a quick detachable Manifold base. This allows the gun to be quickly and easily removed for maintenance, cleaning or change-over without disturbing the positional settings. On re-attaching the fluid and air can be turned back on and the gun is instantly in the right location ready for operation.

Two manifold versions are available:

- A lever operated cam version allowing very fast removal and replacement of the gun during the production process
- A low profile screw attached version which also has the pressure capability for mounting the A-363 Air Assisted Airless Automatic gun. Just swap gun, change pump and spray!

Air Cap and Fluid Nozzle Options AG-362 Spray Gun

Air Cap	Atomisation Type	0.85 mm	1.0 mm	1.2 mm	1.4 mm	1.6 mm	1.8 mm	2.0 mm	2.2 mm
C1	Conventional	S	S	S	S	S	S		
C2	Conventional	S	S	S	S	S	S		
C3	Conventional	S	S	S	S	S	S		

These Air Caps match with PROC-215-XX Fluid Nozzle where XX=orifice size

HV30	HVLP	S	S N	S	S N	S	S N	S	S N
HV40	HVLP	S	S N	S	S N	S	S N	S	S N
TE10	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE20	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE30	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE40	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N
TE40R	Trans Tech (High Efficiency)	S	S N	S	S N	S	S N	S	S N

These Air Caps match with PRO-205-XX Fluid Nozzle where XX=orifice size

S = High Grade Stainless Steel available in this type and size

N = Nitride Hardened Tips & Needles available in this type & size

1 2 4

**DEVILBISS AG-362P****PETITE HEAD REMOVABLE MANIFOLD GUN**

A modified manifold mounted gun designed for the precision application of coatings onto cosmetics packaging and glassware. The gun utilises 'Petite' precision air caps and fluid nozzles specifically designed for this style of application. For extra-fine fluid control the gun is fitted with a Micrometer vernier needle control knob assembly that allows ultra-fine precision fluid setting.

Air Cap and Fluid Nozzle Options

AG-362P Air Cap	Atomisation Type	H 0.5mm	G 0.7mm	FHV 1.0mm
90HV	HVLP	S	S	S
90	Conventional	S	S	

These Air Caps match with CV-30-X Fluid Nozzle where X = orifice size code letter.
S = High Grade stainless steel Tips and Needles available in this type and size.



Precision Micrometer needle adjustment can be fitted as standard on all AG-361 and AG-362 guns. It is also available as an accessory.

1 2 3 4

**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 Nozzle 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

**AGMD PRO****AUTOMATIC SPRAY GUN**

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-YY

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)

Fluid tip sizes 0.85, 1.0, 1.2, 1.4, 1.6, 1.8 mm

Other aircaps are available including Conventional/HVLP/Round Spray and Vortex

AGMD Pro Robot and Machine Adapters

Part Number	Description
AMGDPRO-402-K	Intermediate Plate
AMGDPRO-403-K	Machine Adaptor (M.A.)
AGMD-261-I	M.A. with dump valve
AGMD-261-AB-1	M.A. with 5 valves (2 colour, 2 dump, 1 solvent) dual purge
AGMD-9400-2K	Gun Adapter with 5 colour valves, 1 hardener, 1 solvent
AGMD-300-2K	2K adapter with 3 valves (1 colour, 1 hardener, 1 solvent)
AGMD-3278-R-2	Double Gun Adapter with dump valves
AGMD-3279-R-2	Robot Mounted Gun Adapter 90° with dump valve



SPRAY GUN EXTENSIONS FOR ADVANCE HD MANUAL AND AG-360 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 AG-360 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.

Ref	Type	Code	Clearance
C	360° circular spray	EXTADV-C-XX	3/4" (19 mm)
SC	360° circular spray	EXTADV-SC-XX	3/8" (9.5 mm)
SA	forward round spray	EXTADVSA-XX	7/16" (11 mm)
EA (AG-360)	forward fan spray	EXT362-SC-XX	2" (51mm)
EAX	forward fan spray	EXTADV-EAX-XX	7/8" (22 mm)
EB (AG-360)	90° fan spray	EXT362-EB-XX	3 1/2" (89mm)
EBX	90° fan spray	EXTADV-EBX-XX	1 7/8" (48 mm)
EN (AG-360)	45° fan spray	EXT362-EN-XX	3" (76mm)
ENX	45° fan spray	EXTADV-ENX-XX	1 3/4" (44 mm)
ERX	30° reverse fan spray	EXTADV-ERX-XX	2" (51 mm)

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

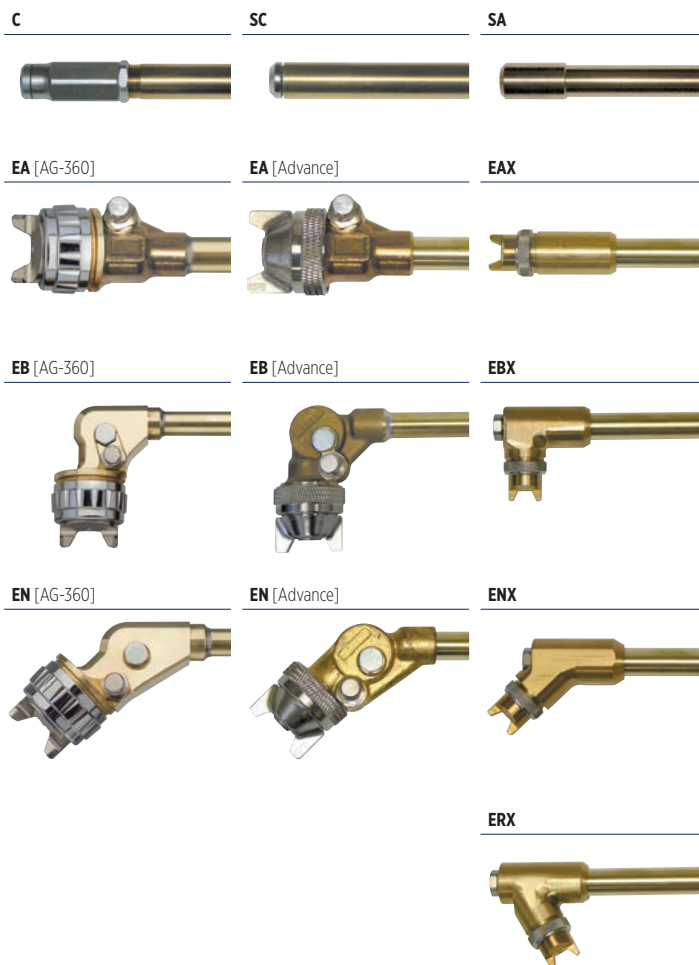
Extensions are complete with air cap, fluid tip, needle and air cap retaining ring. Extensions do not include the spray gun.

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

To order a spray gun for the extension use the part numbers as follows:

Bare Gun Part Numbers	Description
ADV-P000-00	Advance Pressure Conventional
362-000-00	AG-362 Conventional without base
362-000-00-S	AG-362 with screw base (no recirculation)
362-000-00-T	AG-362 with screw base (recirculation)
362-000-00-L	AG-362 with lever base

All Bare spray guns for extensions exclude needle, air cap, fluid tip and retaining ring.



Extensions are for use on pressure feed applications only.

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

AGN

AUTOMATIC SPRAY GUN FOR CERAMIC AND ENAMEL APPLICATIONS

1 5



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

- Needless, 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.

Air cap selection table

Part no	Tip code and diameter in mm										
	G	FX	FZ	FF	FW	E	EE	EX	DE	D	AC
AV-4239-30	0.7	1.1	1.2	1.4	1.6	1.8	1.8	1.8	2.0	2.2	2.8
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



Shown with AA10+ air cap
AA10 air cap still available

Trophy AA 1600 & 4400

BINKS AIR ASSISTED AIRLESS MANUAL SPRAY GUN

The new Binks Trophy AA combines industry experience, design and technology in our all-new Air Assisted Airless spray gun. Designed to handle the toughest of applications, the Trophy AA is purpose built to maximise spray quality, increase efficiency, reduce downtime and be environmentally responsible, while providing the light-weight, ergonomically sculpted fit and feel that operators demand.

- Innovative replaceable Tip Seal

- Light trigger-pull design for less operator strain & RSI
- Easy to remove "IN-LINE" needle reduces repair time
- One tool trigger removal speeds up maintenance and downtime
- Adjustable packing can be tightened without disassembly
- Anodized aluminium air caps guard against corrosion
- HVLP and LVMP Technologies provide a wider choice of spray options
- Unique Twist Tip option quickly & easily removes clogs

Specification

	Trophy AA 1600	Trophy AA 4400
Maximum fluid pressure:	110 bar [1,600 psi]	303 Bar (4,400 psi)
Maximum air inlet pressure:	7 bar [105 psi]	7 bar [105 psi]
Gun Body material:	Forged Aluminium	Forged Aluminium
Fluid Path material:	Stainless Steel	Stainless Steel
Fluid Seat Material:	PEEK	Tungsten Carbide
Fluid inlet connection:	1/4" NPS (m)	1/4" NPS (m)
Air inlet connection:	1/4" BSP / NPS (m)	1/4" BSP / NPS (m)

Available late 2018

Gun Assemblies for Trophy AA 1600

Part Number	Air Cap	Technology	Tip	Seat Material
1600-HF0000	AA10+	HVLP	-	PEEK
1600-HF1310	AA10+	HVLP	1310	PEEK
1600-HF1510	AA10+	HVLP	1510	PEEK
1600-HF1514	AA10+	HVLP	1514	PEEK
1600-HT0000	54-5924-k Twist Tip	HVLP	-	PEEK
1600-HT0613	54-5924-k Twist Tip	HVLP	613	PEEK
1600-HF0615	54-5924-k Twist Tip	HVLP	615	PEEK

Gun Assemblies for Trophy AA 4400

Part Number	Air Cap	Technology	Tip	Seat Material
4400-H10000	AA10	HVLP	-	Tungsten Carbide
4400-H20000	AA10+	HVLP	-	Tungsten Carbide
4400-HF0000	9X-H+	HVLP	-	Tungsten Carbide
4400-LF0000	9X-L	LVMP	-	Tungsten Carbide
4400-HT0000	54-5924-k Twist Tip	HVLP	-	Tungsten Carbide
4400-LT0000	54-5924-k Twist Tip	LVMP	-	Tungsten Carbide

AA4400M

by BINKS



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



AA4400M

BINKS AIR ASSISTED AIRLESS HVLP MANUAL SPRAY GUN

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.

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.

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).

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.

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

AA4400M will be phased out
after Trophy AA launch

See page 40 for details of our range of
Air Assisted Airless pump and gun packages.

BINKS AIRLESS 75



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



Airless 75 with Direct Connect
Part Number 0811-7500-2
Part Number 0811-7500-3
(large passage version)



Airless 75M Direct Connect
Part Number 0811-7500-4

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
- A75M spray gun with larger 3/8" inlet for mastic and fire retardant coatings
- Optional Heat guard (available for tube version) for heated applications up to 79°C (175°F).

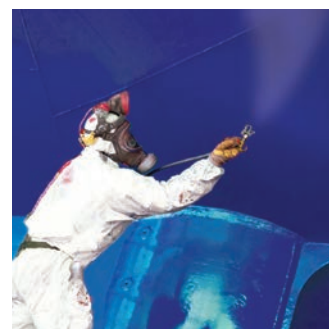
Airless 75 Specifications

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 (3/8 NPS for 75M)
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



BINKS F200 & F400 FLOW-GUNS

The Binks F200/F400 Flow-Guns have been developed to meet the need for a light weight palm grip gun to extrude materials at fluid pressures of up to 414 bar [6000 psi]. It is designed to handle sealants, mastics, adhesives and putties for a wide variety of under body and joint sealing applications. Flow rate can be adjusted by the control on the back of the gun. The guns also feature a discrete trigger lock to disable the trigger mechanism when not in use.

Model	Maximum Fluid Pressure
F200	276 Bar (4000 psi)
F400	414 Bar (6000 psi)

See page 73 for Service Kits.



AG-363 AIR ASSISTED AIRLESS HVLP AUTOMATIC SPRAY GUN

1 2 4

The Binks AG-363 combines the best features of Air Assisted Airless atomisation and Binks engineering to provide a superior atomisation and finish quality coupled with the highest possible transfer efficiencies, resulting in significant paint savings while complying with the toughest EPA regulations. The AG-363 is a highly advanced Air Assisted Airless automatic spray gun that can be rapidly detached from its low profile manifold block using a simple hexagon key, for fast and easy maintenance and serviceability. This unique feature from Binks dramatically reduces production downtime and increases profitability.

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

- Unique single screw attachment to manifold allows quick and easy removal for maintenance and cleaning, reducing downtime.
- HVLP air cap technology produces excellent atomisation with superior transfer efficiency and finishes.
- Air cap has optional 15° indexing for fast and repeatable air cap and tip positioning.
- Manual adjust air controls for easy spray fan adjustment and width control.
- Stainless Steel gun head and fluid passageways for Water based and Solvent based coating compatibility.
- Tungsten Carbide needle and seat for long working life and enhanced abrasion resistance.
- Choice of paint recirculation through gun head or manifold.

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

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

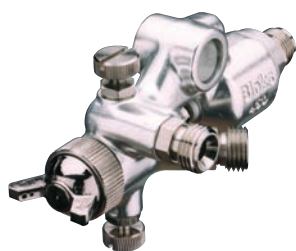
Fine finish tips are also available for AG-363 (see service bulletin).

Gun Specifications

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

460 BINKS AUTOMATIC SPRAY GUN

1 2 4



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

- 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 cap selection table (Conventional)

Part no. and code	Tip diameter in mm			
	0.5	0.75	1.0	1.5
200831 J92S			■	
200833 J92P	■	■	■	
200838 K92P		■		■

BINKS MODEL 550 SPRAY GUN AIRLESS AUTOMATIC SPRAY GUN

2 4



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

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).

Specifications

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

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



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.

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

Innovation and Technical Excellence

Research and Development

Huge resources are dedicated to research and development at Ransburg. 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.

Technology Led Innovation

Ransflex cordless spray gun – Ransburg have reinvented the electrostatic spray gun with the introduction of the Ransflex manual spray gun. This advanced applicator operates by compressed air alone and 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 the widest variety of applications.

Applications

- Aircraft and Aerospace
- Automotive
- 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.



GREATER PAINT SAVINGS WITH IMPROVED OPERATOR COMFORT

With 20% fewer parts than previous models, RansFlex is easier to maintain and the patented turbine utilises a three-phase motor to reduce vibration and provide electrostatic power at lower input air pressures. RansFlex features quick voltage on/off controls on the gun with quick detach air hose connector at the handle to further reduce weight. Indexing air caps with unique colour coded fluid tips for easy identification, make RansFlex the perfect Electrostatic solution for all finishing applications.

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
- For most solvent based paints and materials.

Ransflex Typical Markets and Applications include...

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

Performance, balance, operator comfort, transfer efficiency and ease of maintenance...

45kV and 65kV operate like 65kV and 85kV!

That's RansFlex meeting the finishing needs of today and tomorrow.



RansFlex RX 45kV



RansFlex RFX 65kV

RANSFLEX RX 45KV / RFX 65KV

LOW PRESSURE AIR SPRAY

Best in class atomisation in a compact, lightweight applicator, the all new RansFlex spray gun provides new features and benefits that surpass all other electrostatic applicators. RansFlex is a low pressure air atomising electrostatic spray gun powered by an inbuilt turbine. Designed with the operator in mind, the handle incorporates many fit and feel improvements with better balanced weight to reduce operator fatigue. DeVilbiss World renowned air cap atomisation technology is coupled with Ransburg electrostatic power to provide superior atomisation, transfer efficiency and performance, all backed by a 5-year limited warranty.

- Ergonomic fit, feel, balance and controls
- Redesigned sleek and smooth exterior
- Triple Turbine Protection
- Ergonomic handle profile and comfortable trigger
- Meets ATEX-CE/FM/CSA.



RANSBURG 5-YEAR WARRANTY

Ransburg® warrants to the original end-use purchaser that the Ransburg branded products "Ransflex" 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 Ransburg. Does not include normal wear and tear parts.



RansFlex RFXi 65kV

RANSFLEX RFXi 65KV**SPRAYS WATER BASED PAINTS WITHOUT ISOLATION EQUIPMENT**

The RansFlex RFXi 65kV spray gun is a low pressure air atomising electrostatic spray gun powered by an inbuilt turbine generator. RFXi uses indirect electrostatic charging technology which means there is no longer any need to isolate the waterborne paint feed containers or paint pumps with expensive isolation cages or tanks, saving users significant expense and floor space.

- Universal Water Based Paint Compatibility
- World Renowned DeVilbiss Atomisation Technology
- Ergonomic Fit and Feel with easy to use Controls
- Triple Turbine Protection

4



RansFlex RXQ 45kV

RANSFLEX RXQ 45KV & RFXQ 65KV**ON GUN "QUICK FAN ADJUST"**

The RansFlex Quick Fan Adjust spray gun, is an air atomising electrostatic spray gun that provides best in class atomisation in a lightweight, user friendly spray gun.

The new "Quick Fan Adjust" button allows operators to easily adjust the fan pattern size by simply depressing the button located on the side of the gun.

- Protected Internal Components
- Meets ATEX-CE/FM/CSA.
- Easier to clean and maintain
- Ergonomic fit, feel and balance

4



RansFlex RFXW 65kV

RANSFLEX RFXW 65KV**WATER BASED DIRECT ELECTROSTATIC SPRAY GUN**

The RansFlex RFXW electrostatic waterborne spray gun provides best in class atomisation in a lightweight, user friendly spray gun.

RFXW uses direct electrostatic charging technology for use in conjunction with isolated waterborne delivery systems.

- Protected Internal Components
- Meets ATEX-CE/FM/CSA.
- Easier to clean and maintain
- Ergonomic fit, feel and balance

4

	RansFlex RX Solvent	RansFlex RFX Solvent	RansFlex RFXi Indirect Water	RansFlex RFXW Direct Water	RansFlex RFXQ Quick Fan Adjust	RansFlex RXQ Quick Fan Adjust
Model #	81345	81365	81465	81520	81565	81545
Weight w/o hoses	599 g (21.3 oz.)	620 g (22.0 oz.)	599 g (21.3 oz.)	620 g (22.0 oz.)	620 g (21.3 oz.)	600 g (21.3 oz.)
Height	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")	190.5 mm (7.5")
Width Max	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")	41.2 mm (1 5/8")
Length	254 mm (10")	273 mm (10 3/4")	254 mm (10")	273 mm (10 3/4")	273 mm (10")	254 mm (10")
Operating Voltage	45 kV	65 kV	65 kV	65 kV	65 kV	45 kV
Max Current	140 mA	120 mA	120 mA	120 mA	120 mA	140 mA
Min Inlet Pressure	2.8 bar (40 psig)	2.8 bar (40 psig)	2.8 bar (40 psig)	2.8 bar (40 psig)	2.8 bar (40 psig)	2.8 bar (40 psig)
	(dynamic at handle inlet)	(dynamic at handle inlet)	(dynamic at handle inlet)	(dynamic at handle inlet)	(dynamic at handle inlet)	(dynamic at handle inlet)
Paint Conductivity	.1 MW to infinity	.1 MW to infinity	Water based paint only	Water based paint only	.1 MW to infinity	.1 MW to infinity
Fluid Flow Capacity	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*	1,000 ml/min.*
Consumption with Voltage	438 slpm (15.4 scfm)	438 slpm (15.4 scfm)	438 slpm (15.4 scfm)	438 slpm (15.4 scfm)	438 slpm (15.4 scfm)	438 slpm (15.4 scfm)
	@ 2.8 bar (40 psig)	@ 2.8 bar (40 psig)	@ 2.8 bar (40 psig)	@ 2.8 bar (40 psig)	@ 2.8 bar (40 psig)	@ 2.8 bar (40 psig)
	(at handle inlet)	(at handle inlet)	(at handle inlet)	(at handle inlet)	(at handle inlet)	(at handle inlet)
Material	Solvent Base	Solvent Base	Water Base	Water Base	Solvent Base	Solvent Base

*depends on material viscosity and tip size selected

VECTOR



Waterborne version



New 9060 power supply

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****A 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 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

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



Waterborne version

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.

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

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

4

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

Fluid Tips	Air Caps
0.7 mm (0.028")	
1.0 mm (0.042")	65 Conventional
1.2 mm (0.047")	98 Conventional
1.4 mm (0.055")	122 Trans-Tech
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 AA90

VECTOR AA90

AIR ASSISTED AIRLESS

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.



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 - A B C D E

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 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.



ESTAQUICK AUTOMATIC LOW PRESSURE AIR SPRAY

4

- 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 (1/4 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.

Specifications

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



EVOLVER 560 LOW PRESSURE AIR SPRAY

4

The Evolver is a robot atomiser that features a quick disconnect spray head to change from one head to another in less than one minute with only one tool, allowing for upkeep and repair offline without removal of the entire applicator, and thus minimizing downtime. It is available in 60 or 90° single or dual head modules, HVLP or conventional air and with adapters for all types of robots.

Specifications

Atomising Air (per spray head)	7 BAR (100 psig) max
Fan Air (per spray head)	7 BAR (100 psig) max
Trigger Air	4.8 to 7BAR (70-100 psig) max
Fluid Without Regulator Option	14 BAR (200 psig)
Fluid With Regulator Option	7 BAR (100 psig) max
Regulator Pilot	4.8 to 7BAR (70-100 psig) max
Dump Pilot	4.8 to 7BAR (70-100 psig) max
Power Supply	MicroPak 2e



RMA 500 SERIES THE CUTTING EDGE ROBOT MOUNTED APPLICATORS

4

The Ransburg RMA 500 series electrostatic rotary atomisers are our newest, cutting edge applicators for the Automotive OEM and Tier 1 production sectors. Independent tests show they beat all competitor applicators in transfer efficiency and paint usage. Available in a number of configurations, their modular design can be arranged for solvent based direct charge or waterborne indirect charge applications. The RMA 500 series incorporate single and dual purge valve manifolds with colour coded tubing bundles for easy change outs and operational efficiency.

- Integrated trigger, dump and bell wash valves minimizes colour change time, paint loss and solvent usage
- Modular design offers fast and easy maintenance
- Hard-wearing titanium bell cups as standard
- Serrated and non-serrated bell cup design provides smaller, more uniform atomisation.

Specifications

Weight	8.4 kg Indirect 5.5 kg Direct
Length (Approx)	450 mm Indirect 337 mm Direct
Fluid Delivery	20 to 700 cc/min
Turbine Speed	Up to 100,000 rpm
Power Supply	Micropak 2e



AEROBELL 168

HIGH QUALITY ATOMISATION IN A COMPACT ROBUST UNIT

The Aerobell 168 builds upon the strengths of our highly respected Aerobell atomisers. This cutting edge applicator is aimed at general industrial and Automotive Tier 1 applications and breaks new ground in terms of efficiency, performance and adaptability, whilst maintaining our reputation for robust engineering.

- New bell cup design gives improved atomisation performance

Specifications

Weight	2.7kg (4.4kg with robot adaptor)
Fluid Delivery	500ml/min
Turbine Speed	60,000 rpm
Bell Cups	15mm, 30mm & 65mm
Charge	Direct and Indirect
Power Supply	9060

- Dual feed fluid tube ensures less waist from the individual paint and flush feeds.
- Hard-wearing aluminium or hard wearing titanium bell cups.
- Easily removable shape air collar.
- Turbine assembly removable through front access making maintenance and repair faster.
- Improved mono-flex and duo-flex shape air combinations.



AEROBELL 268

FLEXIBLE, ROBUST ROTARY APPLICATOR

The Ransburg Aerobell 268 is a high speed bell rotary atomizer for electrostatically applying conventional and high solid coatings materials.

The Aerobell 268 is available with 30mm dual shape air, 65mm Monoflex or Dual Flex configuration to provide optimal pattern control and with the configurable manifold for up to three individual colours is designed for various mounting applications.

Specifications

Weight	3.9 kg
Fluid Delivery	500 ml/min
Turbine Speed	60,000 rpm
Bell Cups	30mm & 65mm
Charge	Direct
Power Supply	9060

- Turbine assembly removable through front access making maintenance and repair faster
- High performance bell cup and shape air configurations
- Proven long life air bearing spindle
- External/Internal Bell Cup wash
- Atex approved



ICE-BELL 2

AN INNOVATIVE APPLICATOR FOR FAST DRYING WATERBORNE PAINTS

The Ransburg ICE-BELL 2 is specifically designed for the application of fast drying waterborne coatings.

By employing a powerful integrated cooler shroud, the ICE-BELL 2 ensures high transfer efficiently whilst avoiding clogging of the bell cup. This advanced technology still comes with the traditional Ransburg qualities of longevity, reliability and high performance.

Specifications

Weight	5.1 kg
Length	400 mm
Fluid Delivery	500 ml/min
Turbine Speed	Up to 60,000 rpm
Pattern Size	200 mm to 800 mm
Power Supply	Voltage Master 2, Micropak 2e

- Specifically designed for low VOC, air-drying waterborne paints.
- Electrostatic Rotary Bell Technology Gives high transfer efficiency of up to 90%
- Integrated air-cooler ensures low contamination of applicator, minimising cleaning/flushing down-time
- Excellent spray-pattern control and coating penetration
- Hard-wearing titanium bell cups as standard
- Quick disconnect features for easy servicing and spare part replacement.



9060 HV2

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.

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.

Specifications

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



4



TURBODISC

- 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.

Power Supply – Voltage Master 2.

4



9060 POWER SUPPLIES

Ransburg 9060 power supplies are our latest generation power platform. They are based on proven Ransburg voltage

generation technology and area available in both high and low voltage versions.

Specifications

Ransburg 9060 LV1 Power Supply

Part Number	80143-xxx (Atex Approved) c/w HV & LV Cables & Remote Cascade
Size	165 mm x 378 mm x 307 mm
Weight	10.2 kg
Input Voltage	100 – 240 VAC
Output Voltage	20 – 90 kV DC (Adjustable in 1kV increments)
Output Current	1 A max RMS

Ransburg 9060 HV-1 Power Supply

Part Number	80100-xxx
Size	165 mm x 378 mm x 307 mm
Weight	10.2 kg
Input Voltage	100 – 240 VAC
Output Voltage	20 – 90 kV DC (Adjustable in 1kV increments)
Output Current	1 A max RMS



MICROPAK 2E POWER SUPPLIES

The MicroPak 2e controller represents the very latest cutting edge technology for high voltage supply. It combines our proven high-voltage generation technology with microprocessor based control, diagnostic and communication

functions, providing constant feedback on applicator system performance. The MicroPak 2e is available as a compact stand-alone unit or as a single component to fit into a Euro-rack system.

Specifications

Part Number	A13338
Size	129 mm x 213 mm x 165 mm
Power Required	24v @ 0.5A DC (Controller) 24v @ 6A DC (Cascade)
Output Voltage	0 – 100 kV DC
Output Power	100kV, 125 µA (HP404 / RP404 Cascade) 100kV, 1000 µA (RP100 Cascade) 100kV, 240 µA (HP505 Cascade)



VOLTAGE MASTER 2

VoltageMaster 2 is compact 2 part power supply featuring full PLC remote control capability and is completely backwards compatible with a universal range of applicators. With its ability to produce up to

100kV DC continuous operating voltage while delivering up to 1,500 microamps load current, this is the workhorse power system for your finishing operation.

Specifications

Part Number	78789-04 (Control Panel) LEPS5001 (Power Supply)
Size	508 mm x 406 mm x 203 mm (Control Panel) 710mm (H) x 530mm (Ø) (Power Supply)
Weight	20.4kg (Control Panel) 115.2kg (Power Supply)
AC Input	201-260VAC @ 2.5A (Control Panel) 0 – 120VAC @ 4A (Power Supply)
HV Output	0 – 100kV DC 1500µA



PULSETRACK 2

ADVANCED SPEED CONTROL AND ENVIRONMENTAL MONITORING SYSTEM FOR ROTARY ATOMISERS

The Ransburg PulseTrack 2 is a microprocessor-based system designed to continuously monitor and maintain the programmable speeds of up to six rotary atomisers

while also monitoring temperature and humidity for one or more zones.

- Single location monitoring of multiple systems.

Specifications

Part Number	A11515
Size	508 mm x 406 mm x 203 mm
Power Input	90 – 132 VAC @ 3A 176 – 264 @ 1.5A
Supply Air	110psi max
Remote enable pressure switches	15psi min to activate – 150psi Max



RANSFLOW

The RansFlow is a dynamic fluid metering system which offers closed loop metering and flow control of multi-component materials (2 or 3k). Simple and easy to integrate, the RansFlow fits seamlessly into your application and boasts programmable flush and fill to make colour change faster and a 99 'paint recipe' memory facility.

- 2K dual change flow control
- Up to 3 channels
- Integrated colour change

- Modular design offers remote (inside spray booth) fluid section
- Touch Screen control panel
- Intrinsically safe remote (in-booth) operator control panel
- Programmable Flush/Fill cycles
- Interfaces with a wide variety of flow meter types (gear, piston, Coriolis)
- True three channel, 3k programmable operation.

Specifications

Main Control Console Dimensions (HxWxD)	610mm x 610mm x 229mm
Operating Temperature	0° to 38° C (32° to 100° F)
Humidity	0% to 95%
Power Input	240 VAC @ 1 A, 120 VAC @ 4A
LCD Display	165mm (6½") full colour with touch screen
Flow Capacity	10 cc/min to 4000 cc/min per channel (depending on material and flowmeter limitations)
Viscosity Range	30cp to 500cp
PID Loop Updates	50 times/second/channel
Job tables	99 job Pre-sets per gun
Data Connection	USB Port



DYNAFLOW

The Ransburg DynaFlow is a versatile, eight channel metering and mixing flow controller with colour change optimization. Interfacing with the command system the Ransburg DynaFlow monitors, processes and quickly routes flow control data. Offering robust flexibility and enhanced performance, it delivers fast concise and repeatable material flow control for up to eight channels, making it the most flexible 2k flow control unit on the market.

- 2K dual change flow control
- Modular channel configuration

- Up to 8 channels
- Integrated colour change
- Modular colour changer with Air/solvent purge
- Configurable operating parameters: up to 8 manual/automatic applicators with 100 'recipes' per applicator
- Automatic reverse flow detection and alarm
- Pot-life alarms to alert user maintenance or initiate automatic flush sequence
- Weepless MVR Valve reduces chance of critical leakage.

Specifications

Main Control Console Dimensions (HxWxD)	610mm x 610mm x 457mm
Pneumatic Interface Pane (HxWxD)	501mm x 610mm x 457mm
Operating Temperature	0° to 50° C (32° to 130° F)
Humidity	0% to 95%
Power Input	240 VAC @ 1 A, 120 VAC @ 4A
LCD Display	381mm (15") display with touch screen
Flow Capacity	10 cc/min to 4000 cc/min per channel (depending on material and flowmeter limitations)
Viscosity Range	30cp to 500cp
Job tables	99 job Pre-sets per gun
Data Connection	USB Port

For Binks 2k Equipment see page 54

AQUAPACK SYSTEMS

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 high pressure system



Aquapack low pressure system

Technical Data

	High Pressure/Air Assisted Airless	Air Atomising Low Pressure
Gun	Vector AA90 classic	Vector R90 Classic
Air Pressure	6.8 bar	6.8 bar
Fluid pressure	193 bar (max)	7 bar (max)
Tip voltage	50 kV (max)	85 kV (max)
Current	140 µA (max)	100 µA (max)
Fluid delivery	1.000 ml/min (max)	1.000 ml/min (max)
Pump ratio	31:1	1:1
Paint delivery pump	4,3 l/min (max)	9 l/min (max)
Material	ST ST	Aluminium, anodised
Cabinet height	1.670 mm	1.400 mm
Cabinet width	700 mm	700 mm
Cabinet depth	500 mm	500 mm
Weight	130 kg	100 kg



Advanced Powder Coating Equipment and Systems



ms®

Carlisle Fluid Technology is proud to announce our new family member, MS Powder Systems.

MS are specialists in powder coating components, systems and booth equipment. The company's market leading solutions are recognised throughout the world for their technology, efficiency and durability.

Since its foundation in 1991, MS has steadily grown from a specialist provider to a world leading company supplying a complete range from manual and automatic guns to fully automated powder coating lines. MS has the technology and experience to provide hard working solutions for the most challenging customer requirements.

Outstanding Components and Mobile Powder Units

MS's newest product range, MS topcoat series 4, represents the forefront of powder application technology. Our new range includes an advanced automatic gun and the lightest manual gun in its class. As well as being very easy to use, MS topcoat series 4 products offer outstanding powder charging and high transfer efficiency. All this advanced technology is brought together in the MS topcoater elite range of mobile powder application units. With advanced features and an easy to use digital control system, the MS topcoater elite range is the future of flexible powder coating technology.

World Beating Powder Systems and Bespoke Installations

Modern powder coating systems are becoming ever more complex. Meeting these demands requires innovative component technology, a constant focus on potential improvements and attention to detail and quality.

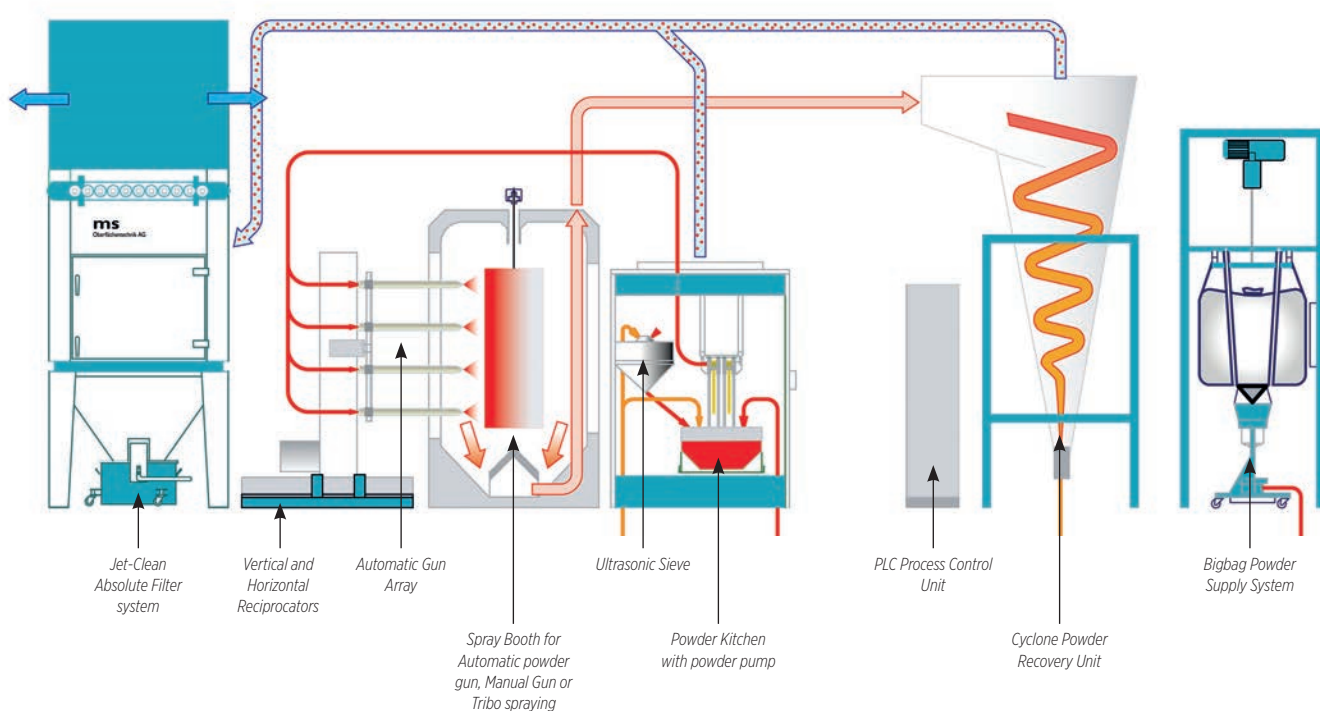
The process of designing, developing and producing custom-built systems takes place at MS's modern headquarters in Balgach, Switzerland. Using the latest 3D CAD tools, they design every detail of a customer's system, testing it for process, work-flow connectivity and spatial requirements right from the outset. Over the years MS has established a strong reputation for high quality solutions for a wide range of applications.

MS Powder Coating Systems

MS has built its reputation on the installation of advanced, hard-working and highly efficient powder coating systems. With an increasing number of colour options, greater product diversity and requirements for smaller production batches; an increasing level of flexibility is demanded by customers from their installations.

All of our system components are developed in house by our engineers, which means we can continuously adapt them to meet our customers' varying needs. We set ourselves very high standards, which is why we design and build our systems in-house prior to shipping and installation. In that way we can ensure functionality and accuracy of fit, as well as controlling the quality of materials and technical components used.

We also consider the technical and economic feasibility of automation throughout the whole development process. We offer solutions both for small batches with fast colour changes and for high volume mass production.





MS TOPCOAT M5 MANUAL POWDER GUN

The MS topcoat M5 gun is the lightest powder gun in the world at just 388 grams. The light weight, ergonomic design of the gun helps to keep operator fatigue to a minimum and the perfect balance means that the gun sits comfortably in the hand, minimising physical strain. The light pull trigger can be operated with one or two fingers.

State-of-the-art digital control and advanced gun technology improves transfer efficiency, surface finish and powder consumption.

Our latest digital high-voltage technology allows for the precision setting of spray parameters. The spray program and powder output can be set directly on the gun, while the easy-to-clean gun design facilitates fast colour change. Consumables are easily replaced for fast maintenance.

Key Features:

- Ultralight spray gun (388g) reduces operator fatigue
- Balanced, ergonomic gun design
- Powder output and spray programs can be set on the gun
- Latest digital high-voltage technology 0-100 kV / 1-100 µA
- Suitable for all powder types
- Excellent reliability
- Wide range of nozzles
- Superb colour-change capability
- FM/ATEX Compliant

Specification

Weight	388g
Length	350 mm
Output voltage	100 kV
Polarity	Negative
Protection rating	IP 64
Powder output	450g / min (max.)



MS TOPCOAT A5 AUTOMATIC POWDER GUN

The MS topcoat A5 is an advanced automatic powder gun for machine and reciprocator mount applications. The state-of-the-art digital control and built-in technology improves transfer efficiency, surface finish and powder consumption.

Our latest digital high-voltage technology allows for the precision setting of spray parameters, while the easy-to-clean gun design facilitates fast colour change.

The A5 gives improved coating appearance with less back ionization due to sophisticated microamp feed-back technology built into the gun.

Consumables are easily replaced for fast maintenance and minimum down-time and are extendable using the optional tube and click system. The gun allows use of all commercially available powders, including metallic flakes.

Key Features:

- Powder output and spray programs can be set on the gun
- Latest digital high-voltage technology 0-100 kV / 1-100 µA
- Suitable for all powder types
- Excellent reliability
- Wide range of nozzle
- Superb colour-change capability
- FM/ATEX Compliant.

Specification

Weight	300g
Length	350 mm
Output voltage	100 kV
Polarity	Negative
Protection rating	IP 64
Powder output	450g / min (max.)



MS TOPCASE S5 CONTROLLER

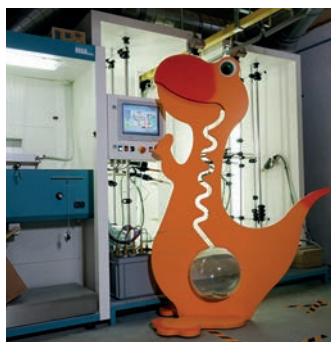
The MS topcase S5 control unit combines advanced features with simple use. An easy to read touch screen interface allows the operator to access the advanced yet simple control functions, even when wearing protective gloves. The advanced feed-back signal control gives dramatically increased first-pass transfer efficiencies, leading to greater powder usage efficiency, improved productivity and cost savings.

Key Features:

- Easy to read and program digital touch screen control panel interface
- Preloaded standard programs for first coat, re-coat, metallic powder and complex part geometry
- Up-to 999 further programmable memory functions available.
- Patented Corona feed-back circuit provides high quality finish without the need for special external accessories
- Diagnostic control functions for cascade and control device
- FM/ATEX Compliant

Specification

Weight	Weight 4.1 kg
Input Voltage	(AC) 100-240 VAC / 50 - 60 Hz
Input air pressure	Input air pressure 6 - 8 bar
Dimensions W x H x D	200 x 120 x 280 mm
Protection Rating	IP 64





MS TOPCOATER MOBILE POWDER COATING UNITS

The new generation MS topcoater elite mobile systems have been designed for use in industrial coating and production facilities where maximum application flexibility is needed. You can choose between the MS topcoater elite, MS topcoater elite Fluid and MS topcoater elite Double, depending on your requirements.

The MS topcoater range is made up of a lightweight mobile trolley with an integrated vibrating table and/or fluidisation

system to help get the most from your powder coating material. These compact, mobile units offer the very latest MS technology by incorporating MS topcoat M5 manual guns and an MS topcoat S5 Controllers, as well as an efficient suction system and air and powder hose package. The built-in maintenance unit prevents the ingress of contaminated feed air, whilst all models also feature an integrated cleaning system.



MS TOPCOATER ELITE

ADVANCED POWDER COATING UNIT

Key Features:

- Automatic cleaning system with injector rod, allows for colour change in 30 seconds
- Injector rod for low-air powder feed
- Powder fed directly from the original packaging
- Sturdy trolley with vibrating table
- Ultralight powder spray gun (388g) with balanced, ergonomic gun design reduces operator fatigue
- Patented corona feedback system ensures high-quality coatings without the need for additional external accessories
- Latest digital high-voltage technology 0-100 kV / 1-100 µA
- Wide range of multifunctional nozzle systems for fine spray patterns and uniform coating thicknesses, even with metallic coating powders

- Touchscreen with intuitive controls and display
- Powder feed with automatic metering
- Easy storage of up to 999 programs
- Preloaded standard programs for first coat, re-coat, metallic powder and complex part geometry with further memory storage for up to 999 programs
- Diagnostic functions for cascade and control device
- ATEX compliant

Specification

Dimensions W x H x L	60cm x 70cm x 117cm
Weight	50 Kg



MS TOPCOATER ELITE DOUBLE

ADVANCED TWIN-GUN POWDER COATING UNIT

Key Features:

- Two gun unit with individual controller for each gun
- Automatic cleaning system with injector rod, allows for colour change in 30 seconds
- Injector rod for low-air powder feed
- Sturdy trolley with vibrating table
- Ultralight powder spray gun (388g) with balanced, ergonomic gun design reduces operator fatigue
- Patented corona feedback system ensures high-quality coatings without the need for additional external accessories
- Latest digital high-voltage technology 0-100 kV / 1-100 µA
- Wide range of multifunctional nozzle systems for fine spray patterns and uniform coating thicknesses, even with metallic coating powders

- Touchscreens with intuitive controls and display
- Powder feed with automatic metering
- Preloaded standard programs for first coat, re-coat, metallic powder and complex part geometry with further easy memory storage for up to 999 programs
- Diagnostic functions for cascade and control device
- FM/ATEX compliant

Specification

Dimensions W x H x L	60cm x 70cm x 117cm
Weight	50 Kg



MS TOPCOATER ELITE FLUID

ADVANCED LIQUIDISED POWDER COATING UNIT

Key Features:

- Powder suction direct from the large volume, fluidised powder container gives fast colour change capabilities
- Patented corona feedback system ensures high-quality coatings without the need for additional accessories
- Ultralight powder spray gun (388g) with balanced, ergonomic gun design reduces operator fatigue
- Latest digital high-voltage technology 0-100 kV / 1-100 µA
- Wide range of multifunctional nozzle systems for fine spray patterns and uniform coating thicknesses, even with metallic powder coatings

- Touchscreen with intuitive controls and display
- Powder feed with automatic metering
- Preloaded standard programs for first coat, re-coat, metallic powder and complex part geometry with further memory storage for up to 999 programs
- Diagnostic functions for cascade and control device
- ATEX compliant

Specification

Dimensions W x H x L	60cm x 70cm x 117cm
Weight	50 Kg



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 – 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, MAPLE AND SMART SERIES 5-YEAR WARRANTY

Binks® warrants to the original end-use purchaser that the Binks branded products "MX", "DX", "Maple" and "Smart" 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 GEMS is the easy to operate 2K mixing solution that audits your paint resin and solvent usage while helping to reduce your solvent waste for up to 5 colours and 2 spray guns. GEMS delivers efficiency and convenience to meet real-world production schedules. Sturdy construction, quality components, ergonomic design, and powerful software make this the workhorse that will keep up with demanding projects.

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. 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 and Paint Agitators.

Applications

- Aircraft and Aerospace Industry
- Automotive (OEM and Tier 1)
- 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 Lite

BINKS MX LITE
HIGH PRESSURE PAINT PUMPS

2 4

5:1, 12:1, 31:1 and 32:1 Air Assisted Airless and Airless Spray Packages

The Binks MX LITE spray packages include the Binks Stainless Steel MXL high pressure pumps with Binks AA4400M Air Assisted Airless or A75 Airless Spray Guns.

MX Pump features include:

- Patented Air Valve Technology – Enables pump to change over quickly to significantly reduce pulsation
- Long Lasting Ceramic Coated Piston Rods – Superior wear resistance lasting up to three times longer than hard chrome pistons
- Designed To Pump Longer With Less Downtime & Extended Packing Life – Self-adjusting spring loaded fixed packings last up to 3X longer than the competition. Large sight glass for visual packing inspection

Quality Passport for Binks MX-Pumps:

Modular construction means reduced number of parts for easy and fast maintenance.

- All wetted parts are Stainless Steel—Ideal for use with solvent and water based paints/materials
- Fixed, spring tension packings—Lower maintenance and reduced running costs
- Air Assisted Airless HVLP & A75 guns provide the latest atomisation technology
- Stainless Steel system – pump and gun
- 5 Year Limited Warranty – Best in class warranty for finishing equipment. Manufactured to ISO9001.



Super lightweight and greater flexibility for better operator comfort.



MXL412PU-T-ACG
– tripod mounted AAA outfit

Gravity feed option.

MXL4/12 – Airless & Air Assisted Airless Packages

2 4

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.



MXL432PU-C-AC
– cart mounted AAA outfit

Gravity feed option.

MXL4/32 – Airless & Air Assisted Airless Packages

2 4

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.



MXL1212PU-W-F-ACG
– wall mounted AAA outfit

MXL12/12 – 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.

MX 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.

- Air Assisted Airless HVLP & A75 guns provide the latest atomisation technology
- Stainless Steel system – pump and gun
- 5 Year Limited Warranty – Best in class warranty for finishing equipment. Manufactured to ISO9001.

Gun and Hose packages

AA4400M-AA10-75 SF gun with flat tip assembly and tip OR

AA4400M-75T SF 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.

MX 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 edge type fluid filter (optional gravity hopper).

(*Tip size to be specified at time of order)



Please note: The AA4400M will be phased out and replaced by the Trophy AA.

HIGH PRESSURE PAINT PUMPS

BINKS



MXL1231PU-C-ACG –
cart mounted AAA outfit

MXL12/31 – Airless & Air Assisted Airless Packages

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.

2 4



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

Binks MX Pump outfit Contents and Part Numbers	MXL412PU-T-AC	MXL412PU-W-AC	MXL412PU-T-F-ACG	MXL412PU-T-FG-ACG	MXL432PU-T-AC	MXL432PU-T-ACG	MXL432PU-T-F-ACG	MXL432PU-T-G-ACG	MXL432PU-T-FG-ACG	MXL432PU-W-AC	MXL432PU-W-F-AC	MXL432PU-W-F-ACG	MXL432PU-W-FG-ACG	MXL432PU-C-F-ACG	MXL432PU-C-FG-ACG	MXL432PU-P-F-AC	MXL1212PU-W-F-AC	MXL1212PU-C-ACG	MXL1231PU-W-F-AC	MXL1231PU-W-ACG	MXL1231PU-W-F-ACG	MXL1231PU-C-AC	MXL1231PU-C-F-AC	MXL1231PU-C-F-ACG	MXL1231PU-W-F-AL	MXL1231PU-W-ALG	MXL1231-W-F-ALG	MXL1231PU-C-F-AL
MXL 4/12 Bare Pump	■	■	■	■																								
MXL 4/32 Bare Pump					■	■	■	■	■	■	■	■	■	■	■	■												
MXL 12/12 Bare Pump																	■	■										
MXL 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)				■				■	■				■	■	■										■		■	■
Hose & Gun			■	■		■	■				■	■	■	■	■			■								■	■	■

Binks MXL pump outfits are fully assembled, tested and ready to spray.

MX LITE Packages include:- Binks MXL pump mounted on tripod/wall/cart/pail with gun, air and pump fluid controls. 7.5 metre Air and Fluid Hoses. Spray Gun and Tip with gun mounted stainless steel edge type fluid filter. (*Tip size to be specified at time of order)

Gun Specification

	AA4400M	A75
Air/fluid inlet thread	1/4" Universal (M)	1/4" NPS
Fluid passageways	Stainless Steel	Stainless Steel
Gun weight	490g	660g
Gun body	Forged Aluminium	Anodised Aluminium
Max working fluid pressure	303 bar (4400 psi)	571 bar (7500 psi)
Max air inlet pressure	6.9 bar (100 psi)	-
Seat	Tungsten Carbide	-
Stainless steel inline paint filter	100 mesh	-



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



Part No. 4400-H10000
Trophy AA Gun
with AA10 Air Cap



Airless 75 with External
Stainless Steel Tube -
Pt. No. 0811 - 7500 - 1



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 PUMPS

BINKS



MXL1205PU

MXL12/05 – Low Pressure Paint Pump

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.

2 4

Binks MX 1205 Pump Contents and Part Number	MXL1205UCU	MXL1205PU	MXL1205UCU-C-AC	MXL1205UCU-C-ACG	MXL1205UCU-C-F-AC	MXL1205UCU-C-F-ACG	MXL1205UCU-W-AC	MXL1205UCU-W-ACG	MXL1205UCU-W-F-AC	MXL1205UCU-W-F-ACG
MX 1205 Bare Pump	■	■	■	■	■	■	■	■	■	■
St St Filter Assembly				■	■	■	■	■	■	■
Suction Hose Assembly			■	■	■	■	■	■	■	■
Air Assisted Airless Controls			■	■	■	■	■	■	■	■
Hose & Gun			■	■	■	■	■	■	■	■
Cart Mounted			■	■	■	■				
Wall Mounted							■	■	■	■

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



MX22035PU-SAH-CAC -
cart mounted AAA outfit



MX22060PU-SAH-WAL - wall mounted
Airless outfit

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

Binks MX35/36 - Airless & Air Assisted Airless Packages

2 4

Pump Specification

	MX 35/36
Ratio	36:1
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	288 bar (4176 psi)
Cylinder Diameter	200 mm
Piston Stroke	127 mm
Noise Level	*82.9 dB(A)
Air Consumption @ 20 cycles/min	1132 l/m (40 SCFM)

*Noise level recorded whilst pump was running at 100psi (7 BAR) @ 30 cycles per minute.



Binks MX30/42, MX35/60 and MX30/70 - Airless Packages

2 4

Pump Specification

	MX 30/42	MX 30/60	MX 30/70
Ratio	42:1	60:1	70:1
Max. Inlet Pressure	7.0 bar (101.5 psi)	8.0 bar (116 psi)	7.0 bar (101.5 psi)
Flow Rate @ 15 cycles (continuous)	2.85 l/min	3.3 l/min	2.85 l/min
Flow Rate @ 30 cycles (intermittent)	5.7 l/min	6.6 l/min	5.7 l/min
Volume/Cycle	190 ml	220 ml	190 ml
Max. Fluid Pressure	294 bar (4263 psi)	480 bar (6960 psi)	490 bar (7105 psi)
Cylinder Diameter	200 mm	260 mm	260 mm
Piston Stroke	127 mm	127 mm	127 mm
Noise Level	*82.9 dB(A)	*80.7 dB(A)	*80.7 dB(A)
Air Consumption @ 20 cycles/min	1132 l/m (40 SCFM)	1985 l/m (70.1 SCFM)	1792 l/m (63.3 SCFM)

*Noise level recorded whilst pump was running at 100psi (7 BAR) @ 30 cycles per minute.

Guns and hoses are not included in these packages:
Select gun/hose packages on page 40.



BINKS MX Pump Outfit contents and part numbers

	MX22036PU-SAH-CAL	MX22036PU-SAH-WAL	MX22036PU-SAH-CAC	MX22036PU-SAH-WAC	MX19042PU-SAH-CAL	MX19042PU-SAH-WAL	MX22060PU-SAH-CAL	MX22060PU-SAH-WAL	MX19070PU-SAH-CAL	MX19070PU-SAH-WAL
Bare Pump MX 35/36 (36:1 ratio / 220 cc/cycle)	■	■	■	■	■	■				
Bare Pump MX 30/42 (42:1 ratio / 190 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 Stainless Steel Filter	■	■	■	■	■	■	■	■	■	■
Cart Mounted	■		■		■		■		■	
Wall Mounted		■		■		■		■		■
Airless Controls	■	■			■	■	■	■	■	■
Air Assisted Airless Controls			■	■						
Flexible suction hose assembly with 30 MESH strainer	■	■	■	■	■	■	■	■	■	■



Temperature Controller
H-76-CTR

Binks Heated Hoses

4

- Hose Specification
 - Inner 6/8mm ID PTFE Fluid Hose with Stainless Steel Braiding
 - Heat Insulation
 - Antistatic outer sheath
 - Outer diameter 43/55mm
 - 1/4" or 3/8" Female cone fittings
 - 5m long connection cables
- Available in 10M and 15M lengths
- For Fixed Installation
- High Pressure and low pressure applications
- ATEX - For use in hazardous areas (except temp. controller)
- PT100 / 3 wire temperature sensor 230V / 50Hz
- Min Ambient Temperature -20°C
- Max Temperature 120°C
- Designed to maintain temperature of 30°C

Part No.	Description	Inner Diameter (mm)	Length (m)	Fittings (")	Max working pressure (Bar)
H-76-06-240-10	10mm hose for LP and up to 240 Bar with 1/4" conns	6	10	1/4	240
H-76-06-500-10	10mm hose up to 500 Bar with 1/4" conns	6	10	1/4	500
H-76-08-250-10	10mm hose up to 250 Bar with 3/8" conns	8	10	3/8	250
H-76-08-250-15	15mm hose assembly 250 Bar with 3/8" conns	8	15	3/8	250
H-76-08-475-10	10mm hose assembly 475 Bar with 3/8" conns	8	10	3/8	475
H-76-08-475-15	15mm hose assembly 475 Bar with 3/8" conns	8	15	3/8	475
H-76-CTR	*Temp controller with digital display				

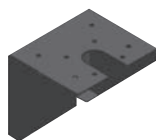
*Temp controller needed with all hose assemblies. Controller to be fitted in non hazardous area.

HIGH PRESSURE PAINT PUMPS

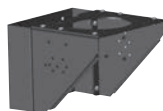


MX Pump Outfit Accessories

2 4



1 Wall Bracket



2 Wall Bracket



3 Cart Assembly



4 Cart Assembly



5 Tripod Assembly



6 Lubricating Oil



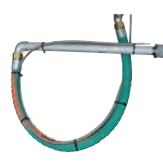
7 Air Controls



8 Air Regulator



9 Fluid Filter



10 Suction Hoses



11 Hose Storage Bracket



12 Airless Hoses

1 Wall Bracket

Part Number	Description	Pump
0115-010179	Wall Bracket	MXL4/12 - MXL4/32 - MXL12/05 - MXL12/12 - MXL12/31

2 Wall Bracket

Part Number	Description	Pump
104095	Wall Bracket	MX35/60 - MX30/70
104116	Wall Bracket	MX35/36 - MX30/42

3 Cart Assembly

Part Number	Description	Pump
0115-010186	Cart Assembly	MXL4/12 - MXL4/32 - MXL12/05 - MXL12/12 - MXL12/31

4 Cart Assembly

Part Number	Description	Pump
104084	Cart Assembly	MX35/36 - MX30/42 - MX35/60 - MX30/70

5 Tripod Assembly

Part Number	Description	Pump
0115-010100	Tripod Assembly	MXL4/12 - MXL4/32

6 Lubricating Oil

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

7 Air Controls

Part Number	Description	Pump
0115-010664	Air Controls - AAA	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010708	Air Controls - Airless	MXL4/32 - MXL12/31
0115-010732	Air Controls - AAAx2	MXL4/32 - MXL12/31

8 Air Regulator

Part Number	Description	Pump
MXA-CI3ALM5-H34	Air Control regulator filter - Airless	MX35/36 - MX30/42 - MX35/60 - MX30/70
MXA-CI3ACM5-H34	Air Controls - Airless	MX35/36 - MX30/42 - MX35/60 - MX30/70

9 Fluid Filter

Part Number	Description	Pump
0115-010711	Type 1	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0110-009130	Type 3	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0110-011760	Type 11	MX35/36 - MX30/42 - MX35/60 - MX30/70

10 Suction Hoses

Part Number	Description	Pump
0115-010696	Suction Hose - 25 l 30 mesh	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010381	Suction Hose - 200 l 30 mesh	MXL4/12 - MXL4/32 - MXL12/12 - MXL12/31
0115-010699	Tripod Inlet Tube 50 mesh	MXL4/12 - MXL4/32
MXA-S25ME30-DH114	Suction Hose - 25 l 30 mesh	MX35/36 - MX30/42 - MX35/60 - MX30/70
MXA-S210ME30-DH114	Suction Hose - 210 l 30 mesh	MX35/36 - MX30/42 - MX35/60 - MX30/70

Silencer

Part Number	Description	Pump
192509	Silencer	MX35/36 - MX30/42 - MX35/60 - MX30/70

11 Hose Storage Bracket

Part Number	Description	Pump
193381	Optional hose storage bracket for cart and wall assembly	MX35/36 - MX30/42 - MX35/60 - MX30/70

12 Airless Hoses

Part Number	Description	Pump
H-5850	1.8m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5851	1m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5852	15m Airless hose assembly 1/4" bore with 1/4" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
H-5853	15m Airless hose assembly 3/8" bore with 3/8" NPS connectors (500 BAR)	MX35/36 - MX30/42 - MX35/60 - MX30/70
74-011/1	1/4" x 1/4" D.M nipple to join 2 x 1/4" NPS HP hoses	MX35/36 - MX30/42 - MX35/60 - MX30/70
74-011/1	1/4" x 3/8" D.M nipple to join 1/4" NPS x 3/8" NPS HP hoses	MX35/36 - MX30/42 - MX35/60 - MX30/70

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

BINKS
DX70
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.*



DX70R-MM3



DX70N-MM2

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

Specifications
DX70 Pump (Bare Pump)

Pump Ratio	1 : 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/m ³ Non Lubricated
Noise Level	68 db LAeq
Earth (Air Inlet Cover)	<1Ω
Weight - Bare Pump	2.2 Kg (4.9 lbs)


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									●	●	●	●								

DIAPHRAGM PUMPS

BINKS

4 5



DX70R3-CF Cart mounted pump outfit with filter and three air controls.



DX70R3-CFG Cart mounted pump with 6L gravity bucket feed, filter and three air controls.



DX70R3-T Tripod mounted pump outfit with three air controls.



DX70R3-WF Wall mounted pump with paint filter and three air controls (25L Pail not included).



DX70R3-PFA Pail mounted pump with agitator, filter and three air controls (25L Pail not included).

DX70 Ready assembled spray gun outfits. Part no's:

DX70R3-TF-FLG5	Tripod mounted pump outfit with FLG5 gun
DX70R3-CF-FLG5	Cart mounted pump outfit with FLG5 gun
DX70R3-TF-ADV	Tripod mounted pump outfit with Advance gun
DX70R3-CF-ADV	Cart mounted pump outfit with Advance gun

DX70 Pump outfit Contents and Part Numbers

DX70 Pump outfit Contents and Part Numbers		DX70R3-C	DX70R3-CF	DX70N2-C	DX70N2-CF	DX70N1-C	DX70N1-CF	DX70R3-W	DX70R3-WF	DX70N2-W	DX70N2-WF	DX70N1-W	DX70N1-WF	DX70R3-T	DX70R3-TF	DX70N2-T	DX70N2-TF	DX70N1-T	DX70N1-TF	DX70R3-P	DX70R3-PF	DX70N2-P	DX70N2-PF	DX70N1-P	DX70N1-PF	DX70R3-PA	DX70R3-PFA	DX70N2-PA	DX70N2-PFA	DX70R3-CG	DX70R3-CFG	DX70N2-CG	DX70N2-CFG	DX70N1-CG	DX70N1-CFG	DX70R3-WG	DX70R3-WFG	DX70N2-WG	DX70N2-WFG	DX70N1-WG	DX70N1-WFG	DX70R3-TG	DX70R3-TFG	DX70N2-TG	DX70N2-TFG	DX70N1-TG	DX70N1-TFG							
DX70 Bare Pump		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
Fluid Regulator		•	•					•	•					•	•					•	•									•	•						•	•																
Filter Assembly					•																				•																													
Suction Hose Assembly		•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•													•	•					•	•															
Air Controls - 3 Regulators		•	•					•						•	•					•	•										•	•					•	•																
Air Controls - 2 Regulators				•	•					•						•						•											•	•																				
Air Controls - 1 Regulator						•	•					•	•																					•	•																			
Pail Mounted																				•	•																																	
Tripod Mounted															•	•	•	•	•																																			
Cart Mounted		•	•	•		•	•																									•	•	•	•	•																		
Wall Mounted								•	•	•	•	•	•																			•	•	•	•	•																		
Gravity Feed																															•	•	•	•	•	•																		
Agitator																										•	•	•	•			•	•	•	•	•																		
			Cart Mounted					Wall Mounted						Tripod Mounted						Pail Mounted											Gravity Cart Mounted				Gravity Wall Mounted				Gravity Tripod Mounted															

BINKS TRANSFER PUMPS

Available in aluminium and stainless steel, this versatile 1" air operated double diaphragm pump is ideal for pumping a variety of waterborne and solvent based coatings including; Adhesives, catalyzed varnishes, paints, resins, stains and solvents.



4 5

Part Number 41-818820 1" Aluminium Body, Stainless Steel Balls/Seats, PTFE Diaphragms



2 4 5

Part Number 41-818822 1" Stainless Steel Body, Stainless Steel Balls/Seats, PTFE Diaphragms

	Air Inlet Pressure Range	Air Inlet Size	Max Fluid Pressure	Fluid Inlet/Outlet	Max Flow Rate	Maximum Suction Lift	Max Particle Size	Max Temperature Limits	Flow @ 60 Cycles/Min	Cycles Per Gallon	Displacement Per Cycle	Noise Level with Muffler	Weights
41-818820 1" Aluminium	0-125 PSI	1/2" NPT	125 PSI (8.6 bar)	1" NPT	45 gpm (170 lpm)	17 ft (5.1 m)	.25" (6 mm)	220° F (104° C)	13.2 gal (50 litres)	4.5	.22 gpm (.84 lpm)	92 dBA MAX	28 lbs (12.7 kg)
41-818822 41-818823 (BSP) 1" Stainless	0-125 PSI	1/2" NPT	125 PSI (8.6 bar)	1" NPT	45 gpm (170 lpm)	17 ft (5.1 m)	.25" (6 mm)	220° F (104° C)	13.2 gal (50 litres)	4.5	.22 gpm (.84 lpm)	92 dBA MAX	43 lbs (19.5 kg)

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

BINKS
DX200

BINKS DX200

AIR OPERATED 1:1 RATIO DIAPHRAGM PUMPS

DX200 is designed specifically for finishing applications requiring multi-spray gun usage, or while transferring or circulating up to 5 l/pm of high to low viscosity materials.

The DX200 is a high flow rate, air operated 1:1 ratio, double diaphragm circulation or transfer pump specifically developed for the direct supply of paints and materials to spray guns. The pump features a unique "no crease" diaphragm shape for a long and durable working life. Users can opt for the "built-in" fluid regulator which ensures a constant and virtually pulse free fluid delivery, enabling direct connection to spray guns without the expense and complications of an additional fluid regulator or surge chamber.

The DX200 range features bare pumps and a choice of outfits. DX200 is self-priming and perfect for use with ALL TYPES of spray gun technologies including, Conventional, Compliant Trans-Tech®, HVLP, LVLP and low pressure Electrostatic guns.

Easy To Use

Outfits include clearly identified air regulators which can independently control the pump, fluid delivery pressures and spray gun.

Save Costs

The "built in" fluid regulator can save money compared to competitive products. Low internal pump volumes minimise fluid wastage during flushes.

- Rugged Construction & Universal Material Compatibility. Available in Aluminium and Stainless Steel to handle a wide variety of fluids.
- Non-Stall & Quiet Running. A non-stall air valve and integrated muffler provides smooth, quiet running.
- Extended Service Life & Zero Leakage. Bonded PTFE diaphragm is more flexible, removing mechanical seals or packings, which means an extended service life.
- Consistent Fluid Delivery. Unique "no-crease" diaphragm design and "built-in" fluid regulator ensures a consistent pressure output and significantly reduced pulsation.
- Pumps Shear-Sensitive Materials. Low internal velocities and gentle pumping action does not shear coatings.
- Fast & Easy Servicing. Pump body provides unobstructed access to air valve and diaphragms for fast and easy maintenance without the need to dismount the pump.

Mounting Options

Pump outfits include a mounting option and are fitted with a flexible suction wand and suction strainer on the vertical bottom inlet. A rigid suction tube is used when pail mounted. The unregulated model has a vertical top outlet, while the fluid regulated model is a front horizontal outlet.

Easy To Service

The end cap and air valve cover fixings are unobstructed and can be removed with a single tool, enabling pump maintenance to be performed wherever it is located.



Unregulated DX200A provides users with a vertical fluid outlet.



"Built-in" fluid regulator saves money compared with competitive products.



Stainless Steel model with Surge Chamber (for applications where fluid filter will shear fluid). Order DX200SP.



A range of connectors are available to allow connection of the pump inlet/outlet to different system connections.

Specification

DX200 (Bare Pump)	
Ratio	1:1
Max Air Pressure	7.0 bar (100 psi)
Max Fluid Pressure	7.0 bar (100 psi)
Nominal Flow Volume / Cycle	0.20 Litres (0.05 US Gall)
Fluid Output @ 60 Cycles/Min	12 l/min (3.17 US Gall/min)
Max Recommended Continuous Cycle Rate	25 Cycles/min
Max Recommended Intermittent Cycle Rate	60 Cycles/min
Inlet Fluid Connection DX200A*/DX200S*	3/4" / 1/2" BSPP Female
Outlet Fluid Connection DX200A*/DX200S*	3/4" / 1/2" BSPP Female
Maximum Dry/Wet Lift (Head)	4.6m (15.1ft) / 7.5m (24.6ft)
Air Inlet	G1/4" (BSPP) Female
Fluid Regulator Pilot	Ø4 mm Tube
Air Volume / cycle @ 6.9 Bar/100psi	2.83l (0.1 SCFM)
Air Flow @ 10 cycles / min 6.9 Bar/100psi	28.3l (1 SCFM)
Air Flow @ 30 cycles / min 6.9 Bar/100psi	84.9l (3 SCFM)
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	71.2 dBA Leq
Weight - Bare Pump DX200A*/DX200S*	9.5Kg (20.94lbs) / 8.05Kg (17.75lbs)
Pump Body	Aluminium Anodised or St St

DX200 1:1 Parts and Service Kits

Part No	Description	Material
DXK-201	Check Valve Seal Kit x 4	Aluminium
DXK-202	Check Valve Kit x 4	Aluminium
DXK-203	Diaphragm Kit x 2	Aluminium
DXK-204	Shaft & Seal kit	Aluminium
DXK-213	Fluid Regulator diaphragm Assembly	Universal
DXK-214	Fluid Regulator insert kit	Universal
DXK-216	Air Valve kit	Universal
DXK-222	Check Valve Seal Kit x 4	ST ST
DXK-223	Check Valve Kit x 4	ST ST
DXK-224	Diaphragm Kit x 2	ST ST
DXK-225	Shaft & Seal kit	ST ST

BINKS DX200-3



BINKS DX200-3 AIR OPERATED 3:1 RATIO DIAPHRAGM PUMPS

The DX200-3 is our new air operated 3:1 ratio, double diaphragm pump. It has been designed to perform in tough spray gun, system or transfer applications.

A cutting-edge feature of this pump is the new Eazi-Swap outlet, which can be quickly configured as a standard outlet or adapted with our manual fluid regulator or active surge chamber options. The outlet can even be changed with the pump in-situ. This innovation provides the flexibility for connection to systems or direct to spray guns without the expense and complication of external components.

- High Performance, Low Running Costs - Consistent fluid delivery over the pressure range. High performance air valve for quick change-over. Leads to high volume of fluid output and lower air consumption than the competition.
- Suitable For Piggable Systems - Low internal volume with no 'dead areas' makes the DX200-3 ideal for piggable systems.
- Fast & Easy Servicing - Unobstructed access to critical components such as the air valves, diaphragms and check valves allow fast, easy maintenance.
- Eazi-Swap Fluid Output - Outlet options can be ordered with the pump or retrofitted in-situ. Fluid Outlet can be rotated in 90° steps to suit your installation.
- Non-Stall & Quiet Running - Non-stall pilot mechanism and integrated muffler provides smooth, quiet running.
- Universal Material Compatibility - Stainless Steel fluid passageways handle widest variety of materials.

Specification

DX200-3 (Bare Pump)

Ratio	3:1
Max Air Pressure	7.0 bar (100 psi)
Max Fluid Pressure	21 bar (305 psi)
Nominal Flow Volume / Cycle	0.14 Litres (0.037 US Gall)
Fluid Output @ 60 Cycles/Min	8.4 Litres / min (2.2 US Gall /min)
Max Recommended Continuous Cycle Rate	25 Cycles /min
Max Recommended Intermittent Cycle Rate	40 Cycles /min
Inlet Fluid Connection	1/2" BSPP Female
Outlet Fluid Connection	1/2" BSPP Female
Maximum Dry/Wet Lift (Head)	6.9 m (22.6 ft) / 8.7 m (28.5 ft)
Air Inlet	1/4" Universal (BSPP/NPSM) Female
Air Volume / cycle @ 6.9Bar/100psi	5.0l (0.18 SCFM)
Air Flow @ 10 cycles / min 6.9Bar/100psi	47.8l (1.69 SCFM)
Air Flow @ 30 cycles / min 6.9Bar/100psi	156.9l (5.54 SCFM)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns
	Water -20°C @ 7 Bar (940 ppm)
	Oil 0.1mg/m ³
	Non Lubricated
Noise Level	79.8 dBA
Weight - Bare Pump	17.9 Kg (39.4 lbs)
Temperature Range	0 - 40 °C (32 - 104 °F)
Dimensions (W x H x D)	193mm (7.6") x 262mm (10.35") x 264mm (10.4")



Standard outlet



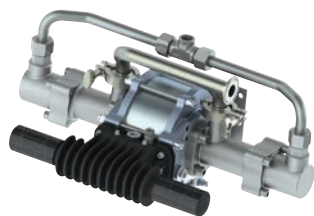
Fluid regulator



Active Surge Chamber

SAVE COSTS

Our DX200-3 Outfits come complete with air regulators and suction hoses, plus a choice of mounting options (wall mounted bracket or cart) and fluid outlets. The DX200-3 is also available as a Bare pump.



Maple 7/15



MAPLE PUMPS

The Maple Pump is our advanced, air operated, horizontal piston pump for automotive and general industrial applications. This range of precision engineered pumps is designed to handle modern shear sensitive solvent and waterborne paints as well as pure solvents and other paint shop materials. The Maple Pump design combines an energy efficient air motor with our low shear fluid section technology providing a smooth consistent flow of material for both automatic and manual spray gun systems.

- Low Ice lubricant free air motor with patented quick exhaust technology removes the risk of valve icing.
- Enclosed Bellows Seals - no exposed seals eliminating shaft packing lubrication and significantly reducing pump maintenance.

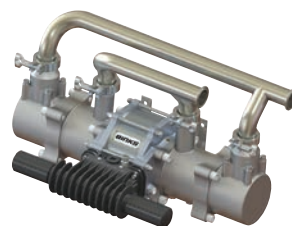
- Stainless steel fluid sections, ideal for waterborne, or solvent based paints.
- Tungsten Carbide ball seats and ceramic coated pistons ensure maximum, trouble free operating life.
- Equal thrust on each stroke produces a smooth, even paint flow.
- Control valve metal spool and sleeve for long life, incorporating our patented magnetic detent to eliminate stall conditions.
- Fluid connections guarantee a smooth internal flow and eliminate paint pockets for to ensure a superior finish.
- 5 year pump warranty on materials and workmanship.



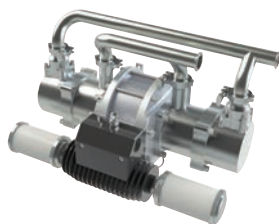
Maple 15/3



Maple 15/3 AFP 'Easi Flush'



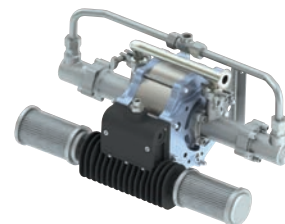
Maple 30/3



Maple 60/3



Maple 7/7



Maple 8/25

Specifications

Model number	Maple 15/3	15/3 AFP 'Easi Flush'	Maple 15/6	Maple 30/3	Maple 60/3	Maple 7/7	Maple 7/15	Maple 7/15 Paint Stripper Pump	Maple 8/25
Part No	104009	104129	104205	104010	104020-M2	104040	104041	104147	104042
Ratio	3:1	3:1	6:1	3:1	3:1	7:1	15:1	15:1	25:1
Fluid output @ 60 cycles/min	22.5 L/min	22.5 L/min	22.5 L/min	45 L/min	90 L/min	10 L/min	10 L/min	10 L/min	12 L/min
Max continuous cycle rate	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min	20 cycles /min
Max intermittent cycle rate	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min	40 cycles /min
Fluid connections									
Inlet	1" Sanitary	1" Sanitary	1" Sanitary	1½" Sanitary	1½" Sanitary	1" Sanitary	1" Sanitary	1" Sanitary	1" Sanitary
Outlet	1" Sanitary	¾" Sanitary	1" Sanitary	1½" Sanitary	1½" Sanitary	½" NPT Female	½" NPT Female	½" NPT Female	½" NPT Female
Max air inlet pressure	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)	7 bar (102 psi)
Max fluid inlet pressure	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)	2 bar (29 psi)
Compressed air inlet	¾" BSPP/NPSM	¾" BSPP/NPSM	¾" BSPP/NPSM	¾" BSPP/NPSM	½" BSPP/NPSM	¾" BSPP/NPSM	¾" BSPP/NPSM	¾" BSPP/NPSM	½" BSPP/NPSM
Air volume / cycle									
@3.1bar 45psi	4.8 L/min	4.8 L/min	9.5 L/min	9.5 L/min	19.8 L/min	4.8 L/min	9.5 L/min	9.5 L/min	19.8 L/min
@6.2bar90psi	9.3 L/min	9.3 L/min	18.5 L/min	18.5 L/min	39.7 L/min	9.3 L/min	18.5 L/min	18.5 L/min	39.7 L/min
Weight	21 kg (46lb)	25 kg (55lb)	46 kg (101 lbs)	35 kg (77lb)	65 kg (143lb)	20 kg (44lb)	30 kg (66lb)	30 kg (66 lbs)	40 kg (88lb)

Service Kits (Part No's)

Fluid piston seal kit	250625	250714	250771	250608	250632	250653	250653	250653	250653
Fluid sect'n overhaul kit	250626	250715	250772	250619	250633	250655	250655	250726	250654
Air motor seal kit	250627	250627	250618	250618	250634	250695	250657	250657	250656
Control valve kit	250628	250628	250628	250620	250635	250628			



SMART PUMPS

4



E2-7

Binks Smart Pumps are respected for their energy efficiency and proven reliability. This is why they are found at the heart of the world's largest Automotive and Industrial paint systems. Our market leading pumps combine digitally controlled AC motors with our patented horizontal reciprocating drive fluid sections. The result is a circulating pump which uses a fraction of the energy of pneumatic pumps, yet still treats modern sheer sensitive paints with kid gloves.

Binks Smart pumps are more efficient than competitor pumps due to their patented design, but when combined with our ground breaking smart system, even higher savings can be obtained. Utilising pressure monitoring and digital control, the Binks Smart System ensures that material is delivered to the point of application only when needed, dramatically reducing energy and paint consumption.

- Significant Energy Savings – Electric drive linked with Smart Control gives significant energy and cost savings over pneumatic pumps
- Patented reciprocating drive with asymmetric CV Cam, minimises pressure fluctuations so no surge chamber required.
- Flow rate control by AC frequency inverter allows fine speed adjustment within a 10 to 40 cycles per minute range
- Long life piston seals and enclosed PTFE shaft bellow seals give longer component working life and minimise maintenance requirements.



Specifications

Smart Pump Model number	E2-7	E2-15	E2-15 AFP 'Easi Flush'	E2-30	E2-40	E2-60	E4-60
Part No	104199	104017	104125	107071	107093	104085	107070
Max Fluid Pressure	20 bar (290psi)	20 bar (290psi)	20 bar (290psi)	20 bar (290psi)	16 bar (232psi)	16 bar (232psi)	20 bar (290psi)
Max Inlet Pressure	2 bar (29psi)	2 bar (29psi)	7 bar (100psi)	2 bar (29psi)	2 bar (29psi)	2 bar (29psi)	2 bar (29psi)
Fluid Output							
@ 20Hz (10 cycles/min)	1.66 L/min	3.75 L/min	3.75 L/min	7.5 L/min	10 L/min	15 L/min	15 L/min
@ 80Hz (40 cycles/min)	6.64 L/min	15 L/min	15 L/min	30 L/min	40 L/min	60 L/min	60 L/min
Fluid connections	1" Sanitary	1" Sanitary	1" Sanitary	1" Sanitary	1½" Sanitary	1½" Sanitary	2" Sanitary
Total Pump Weight	86 Kg (190 lbs)	78 kg (172 lbs)	80 kg (176 lbs)	250 kg (550 lbs)	250 kg (550 lbs)	295 kg (651 lbs)	350 kg (550 lbs)

Service Kits (Part No's)

Fluid Piston Seal kit	250773	250625	250714	250608	250621	250686	250601
Wet section overhaul kit	250774	250641	250716	250610	250622	250687	250596
Main bearing overhaul kit	250642	250642	250642	250599	250599	250683	250599

Further technical information can be found in the individual pump service manuals.



E2-15



E2-15 AFP 'Easi Flush'



E2-30



E2-40



E2-60



E4-60



PILOT CONTROLLED HIGH PRESSURE / BACK PRESSURE REGULATORS

4

Our advanced high pressure and back pressure regulators are designed to handle the pressures required for controlling medium to high viscosity materials used in today's automotive and industrial applications.

Typical material applications include High Viscosity PVC, Underseals, sound deadeners, anti-flutter, adhesives and fillers.

- Low Maintenance due to small number of moving parts
- Compatible with solvent based and water based materials
- Pilot Controlled by regulated air supply
- Mounting bracket included

Specifications

Part Number	107906 (High Pressure regulator) 107908 (Back Pressure Regulator)
Working range	35 – 240 bar
Air Pilot range	0.7 – 5.5 bar
Connections	Inlet port ¾" NPT Outlet port ¾" NPT Gauge Port ¼" NPT
Weight	6.8 kg



3/4"



1/2"

1 1/2" AND 3/4" PILOT CONTROLLED AND MANUAL PRESSURE REGULATORS

4

Binks pressure regulators responds to the changes in system fluid pressure by dynamically adjusting so as to maintain the set pressure. They minimise paint shear through their large internal surface area and critically designed valve seatings. Binks pressure regulators are available in automatic (air pilot regulated) and manual adjustment models.

- Low Shear Back Pressure Regulators
- Reduced paint velocity through valve seat
- Two gauge port allows for flexible mounting
- Interchangeable connections inc:
 - M45 x 2" Sanitary, M45 x 1 1/2" Sanitary, M45 x 1" Sanitary
 - M28 x 1" Sanitary, M28, ¾" NPT (female), M28 x ¾" BSPT (female)

Specifications

Part Numbers	107755 (1 1/2" Air Pilot) 107754 (1 1/2" Manual) 107758 (¾" Air Pilot) 107757 (¾" Manual)
Working range	1 – 15 bar - 10 – 19 L/min (Air Pilot) 3 – 15 bar - 10 – 19 L/min (Manual)
Max Pressure	25 bar
Construction Materials – Body	303 grade Stainless Steel
Diaphragm	PTFE composite

CARTRIDGE FILTERS

4

The Binks range of cartridge filters remove dirt and paint clots from paint systems using a choice of disposable or cleanable filters elements. They allow the rapid replacement of the elements with their "fixed in place" clamp design. The housing also provides an integral pressure gauge port to allow for the measurement of differential fluid pressure.

- Provides absolute rated filtration at 99.98% performance
- Housing constructed of 316 grade Stainless Steel, electro plated for ease of cleaning
- Accommodates industry standard DOE or Code 3 filter elements
- Range of sizes to accommodate different capacity paint circulating systems.



Specifications

Part Number	Description
107874	5" Cartridge Filter Housing – 1" BSP Connections
107875	5" Cartridge Filter Housing – 1" Sanitary Connections
107871	10" Cartridge Filter Housing – 1" BSP Connections
107870	10" Cartridge Filter Housing – 1" Sanitary Connections
107868	10" Cartridge Filter Housing – 1 1/2" Sanitary Connections
107873	20" Cartridge Filter Housing – 1" Sanitary Connections
107869	20" Cartridge Filter Housing – 1 1/2" Sanitary Connections



PRESSURE RELIEF VALVES

The Binks mechanical pressure relief valve offers protection against damage from system overpressure. Our mechanical relief valves can be easily installed directly on the pump outlet manifold and if triggered will relieve paint system pressure by diverting flow back into the mix tank.

- Stainless steel construction.

- Standard Sanitary & hose connections.
- Ideal for quick installation to pump outlet
- 9 versions available for attachment to Binks range of pumps
- Minimal 'dead' area in paint flow line.

Specifications

Part Number	PRV22-U-10	1" Sanitary ¾" Hose Outlet
	PRV22-U-15	1½" Sanitary ¾" Hose Outlet
	PRV22-U-20	2" Sanitary ¾" Hose Outlet
	PRV22-S-10	1" Sanitary 1" Sanitary Outlet
	PRV22-S-15	1½" Sanitary 1" Sanitary Outlet
	PRV22-S-20	2" Sanitary 1" Sanitary Outlet
	PRV22-N-10	1" Sanitary ¾" NPT(F) Outlet
	PRV22-N-15	1½" Sanitary ¾" NPT(F) Outlet
	PRV22-N-20	2" Sanitary ¾" NPT(F) Outlet
Relief Port Connection	¾" Hose Connector 1" Sanitary ¾" NPT(F)	
Initial Activation Pressure	22 Bar (320 psi)	
Full Activation Pressure	24 Bar (350 psi)	



Active Flushable Surge Eliminator

SURGE ELIMINATORS

Surge Eliminators eliminate the pressure fluctuation produced by reciprocating pumps on changeover.

The units consist of a lower fluid and upper air chamber separated by a flexible moulded composite diaphragm which

absorbs the fluctuations and eliminates the paint surge, ensuring a smooth flow of paint to the applicator.

ACTIVE FLUSHABLE SURGE ELIMINATOR

The Active surge eliminator features an active air pilot valve which dynamically changes air pressure to automatically equal fluid pressure, thus eliminating manual compressed air charging.

- Flushable fluid chamber
- Fluid connection options available.
- Direct mounting to the paint pump.

Specifications

Part Number	104050-X		
Maximum Fluid Pressure	16 Bar (232 psi)		
Air Connection	1/8"		
Fluid Connection Fittings	Suffix	Part no	Description
	(X)		
	A	192553	Fitting - M45 x Slip Flange Assembly
	B	192554	Fitting - M45 x 2" Sanitary
	C	192555	Fitting - M45 x 1½" Sanitary
	D	192556	Fitting - M45 x 1½" NPT (Female)
	E	192557	Fitting - M45 x 1½" BSPT (Female)
	F	192558	Fitting - M45 x 42 MM Compression Coupling
	G	192559	Fitting - M45 x 1¼" BSP (H)
	H	192560	Fitting - M45 x 1½" BSP (H)
	L	192564	Fitting - M45 x 1" Sanitary

STANDARD AND STANDARD FLUSHABLE SURGE ELIMINATORS

Standard Surge Eliminators utilise a manually set charge of compressed air to set the required fluid pressure compensation level. The fluid chamber can either be supplied with a

conventional bottom entry connection or with a flushable flow through design.



Standard Flushable Surge Eliminator



Standard Surge Eliminator

Specifications

Part Number	104052-X		
Maximum Fluid Pressure	16 Bar (232 psi)		
Air Connection	1/4"		
Fluid Connection Fittings	Suffix	Part no	Description
	(X)		
	S	192723	Fitting - 1" Sanitary
	T	192724	Fitting - ¾" NPT (Female)
	U	192725	Fitting - ¾" BSPT (Female)



DR-1 FLUID REGULATOR

The Ransburg DR-1 Fluid Regulator provides constant fluid regulation for automatic coating application systems. It features two selectable fluid pressure ranges, low and high. The low flow range output provides precise fluid delivery control and the high flow range output accommodates higher fluid deliveries. The combination provides excellent paint film uniformity with minimal colour change time.

- Efficient Colour Change
- Dual low and/or high flow capacity
- Material savings with improved finish quality
- All stainless steel wetted parts with PTFE coated internal components.

Specifications

Part Number	74151
Dimensions	48mm (h) x 70mm Ø x 86mm (L)
Input fluid pressure	80 – 100 psi
Output Fluid Pressure	Variable by ratio
Pneumatic/Fluid connections:	
Air Pilot	1/4" OD x 3/16" ID #10-32 thread
Fluid In	1/4" NPSM
Fluid Out	1/8" NPSM
Ratio availability	1:1, 1:2, 1:3, 1:4, 1:6, 1:8, 1:10



CCV MODULAR COLOUR CHANGE SYSTEM

Ransburg's Modular Colour Change System incorporates a practical and flexible modular valve assembly, suitable for a variety of applications ranging from small industrial paint shops to major automotive OEM lines. All wetted parts are engineered for compatibility with today's coatings and the modular design allows for the changing needs of the fluid supply system.

- Proven Performance
- Compact Design
- Durable Stainless Steel Construction
- Modular Manifold Design.

Specifications

Part Number	CCV-17 /-16 /- 18 /- 34 /- 38
Operating Pressure	4.8 – 6.9 Bar (70 – 100 psi)
Fluid Pressure	20.7 Bar (300 psi)
Air Inlet / Outlet connections	1/4" OD (6mm)
Fluid Inlet	1/4" NPT Female x 2 ports
Fluid Flow Capacity	3800 cc/min at 47psi pressure drop



MCV2 COLOUR CHANGE SYSTEM AND MCV2D DUAL PURGE COLOUR CHANGE SYSTEM

The MCV2 Colour Change System is designed to meet the stringent requirements of Automotive, Tier 1 and Industrial coatings systems. New insert-and-seal connections combined with the modular design provides quick and easy colour change no matter what the application. The MCV2D gives the added benefit of a Dual-Purge option for use with true Dual-Purge applicators. This allows cleaning of one line whilst at the same time spraying from another.

- Modular components allow scalability, up to 32 colours.
- Two o-ring seals between each block eliminate paint trap cavities.
- Piston Flag gives visual indication when valve is triggered
- Internal porting of the valve block significantly reduces paint shear
- Lightweight design is durable, corrosion resistant and built to last, even under rigorous continuous cyclical use.

Specifications

Part Number	A10800 (MCV2 metric), A11077 (MCV2 Imperial) A10986 (MCV2D metric), A10993 (MCV2D Imperial)
Fluid Operating Pressure	20.7 Bar (300 psi)
Air Actuating Pressure	4.9 Bar (70 psi)
Trigger tube size	5/32" (4mm)
Fluid Tube Size (OD)	10mm, 8mm (3/8", 5/16")
Fluid Flow Capacity	3800 cc/min at 47psi pressure drop



BINKS RAM UNITS

Binks Ram Units offer a rugged, reliable and high performance solution for the delivery of medium and high viscosity materials in both stand-alone and system applications. They incorporate the Binks MX range of high pressure piston pumps giving proven durability, reliability and performance. Binks Ram Units provide the ideal delivery solution for materials such as lubricants, mastics adhesives, epoxies and sealants. Binks Ram Units can be customised to suit all application needs. The Ram follower plates are designed to fit the widest range of industry standard containers and a range of 32 (ball or chop-check) pumps can be specified to suit the material viscosity and flow rate.

- Units to suit industry standard 20, 30, 60, 120 and 205 litre containers.
- Dual Seal follower plates and stainless steel pump fluid sections as standard
- Incorporate Binks highly respected MX High Pressure pumps
- 2.5, 5, 8.3, and 22.6 kN downforce standard models available
- 1000 Litre Ram units available on custom order
- 5 year warranty on manufacturer defects.

Specification

Maximum Working Air Pressure	6 bar / 87psi (SR, DR & DRi), 7 bar / 101psi (DRX)
Air Inlet	½" BSP F
Ram Stroke	SR20 410mm / 16"
	DR & DRi 20,30,60 688mm / 27"
	DR, DRi & DRX 120, 205 960mm / 37.8"
Unit Height - Fully extended	
	SR20 1242mm / 49"
	DR & DRi 20,30,60 1750 / 69"
	DR, DRi & DRX 120, 205 2550mm / 100"
Pump inlet valve types	Ball check Chop check (shovel plate)
Pump rod material types	Nitrided carbon steel Ceramic coated stainless steel

Ram Unit Pump Outfit Options

Equip your Ram Unit from our extensive range of durable, hard-working MX Pumps. (See back page for pump fluid output and pressure ratings)

Example Model Number

RAM SECTION **PUMP SECTION**
DR 30 E -MX 115 68 PU - S M X = 30l Dual Post Ram with MX11568 Chop Check pump

RAM TYPE
Single post (SR), Dual post (DR) and extreme duty (DRX)

DRUM VOLUME (Litre)
20, 30, 60, 205

FOLLOWER PLATE SEAL MATERIAL
EDPM (E) or Polyurethane (P)

PUMP FLUID OUTPUT / CYCLE (cc/cycle)
68, 115, 122, 190, 200, 220, 420, 440, 860, 880

INLET VALVE TYPE
Ball-Check (B) or Chop-Check (X)

PACKING ADJUSTMENT
Manual (M) only

PUMP ROD MATERIAL
Nitrided Carbon Steel (C) or
Ceramic Coated Stainless (S) Steel

PUMP PACKING MATERIAL
PTFE & UHMWPE (PU)

PUMP RATIO
Ball Check Pumps
15:1, 18:1, 22:1, 23:1, 30:1, 35:1, 41:1,
46:1, 60:1
Chop Check Pumps
5:1, 12:1, 18:1, 23:1, 24:1, 30:1, 33:1, 39:1, 43:1, 46:1,
66:1, 68:1



GEMS™

Global Electronic Mix Solutions



BINKS GEMS 2K ELECTRONIC MIXING SOLUTION

GEMS is the easy to operate 2K mixing solution that audits your paint resin and solvent usage while helping to reduce your solvent waste for up to 5 colours and 2 spray guns.

- Operator Friendly Colour Screen
- Gather Auditing & Reporting Data
- Programmable Flush To Reduce Wastage
- Accurate Proportioning 1:1 up to 100:1
- Single or Multi-Colour

Binks GEMS delivers efficiency and convenience to meet real-world production schedules. Sturdy construction, quality components, ergonomic design, and powerful software make this the workhorse that will keep up with demanding projects. GEMS is operated through a large 7" touchscreen with readily

identifiable icons to provide real time information such as Flow Rate, Pot Life, Current Mix Ratio and Current Colour. On-screen help is designed to assist operators with fault troubleshooting rather than just meaningless alarm codes.

GEMS' data capture capabilities provide insights into your daily spraying process and audit your paint resin and solvent usage. GEMS is capable of storing data for distinct production jobs, recording spraying times, colour change information and A / B material and solvent usage.

GEMS will support low pressure applications up to 5 colours and can be configured for use with 2 spray guns.

The precise dosing will always ensure a perfect paint mix and finish.



Specification

Maximum Working Air Pressure	7 bar (105 psi)
Optimal Working Air Pressure	5.2 - 7 bar (75-105 psi)
Max Inlet Fluid Pressure	17.2 bar (250 psi)
Max Dispense Pump Flow Rate	300 or 600 cc/min
Min Dispense Pump Flow Rate	2 or 20 cc/min
"A" Side Flowmeter Range	40-1900 cc/min
Operating Temperature Range	5-50°C (41-122°F)
System Weight	59-68kg (130-150lbs)
Viscosity Range of Fluid	20-3000 cPs
Mixing Ratio Range	1:1 - 100:1
Ratio Tolerance Range	Up to +/- 1%
Wetted Parts	300 series stainless steel, PTFE, perfluoroelastomer, UHMW polyethylene
External Power Requirements	100-240 VAC, 50-60Hz, 1.4 Amp, 16 AWG power supply wire gauge
Environmental	Indoor use, pollution degree (2)

MAGIC-FLOW 2

MAGIC-FLOW 2 UNIVERSAL ELECTRONIC MIXING SOLUTION



Magic-Flow 2 is a versatile and flexible mixing solution designed to accommodate many low pressure or high pressure applications. It supports a range of optional, functionality-enhancing modules to provide 2, 3 or 4K component mixing of a maximum of 29 colours with up to 4 spray guns.

- Operator Friendly 7" Colour Touch Screen
- Low or High Pressure mixing from 0.5:1 up to 50:1
- Suitable for Solvent and Water based Paints up to 29 Colours
- Programmable Recipes' & Flush Sequences
- Essential Reporting Data including VOC Calculation

Binks Magic-Flow 2 turns complicated and time consuming mixing operations into highly precise, 'select and spray' operations. It guides machine operators through daily spraying tasks using colour icons, selectable paint recipes, pre-set flush

sequences and by monitoring paint tank levels.

Use Magic-Flow 2's data capturing capabilities to monitor essential information such as paint consumption, flow rates, actual mix ratios, spray times and alarm events. Collect and monitor data through the standard Ethernet interface or view report information on-screen. Ensure you remain under your VOC emissions threshold using the built-in VOC calculator. Customise Magic-Flow 2 for your solvent or water based paint application with additional modules that include robot communications, control of up to 16 agitators, remote control for in-booth operation, stack lights and Coriolis mass flow meters for non-contact measurement.

From plastic coatings to heavy corrosion protection, from manual spray applications to automated robots, Binks Magic-Flow 2 can deliver.

Specification

Suitable for	Solvent and water based paint
Mixing Ratio range	0.5:1 - 50:1
Mixing Accuracy	Up to +/- 1%
Optimal Working Air Pressure	6 - 8 Bar
Flow Rate	50 - 2000 ml/min
Working Temperature	10 - 70°C
Pressure Range	1 - 250 Bar (1 - 450 Bar Optional)
Viscosity	20 - 100cPs
Wetted Parts	Stainless Steel, PTFE, Polyamide
Material Valves	32 max e.g. 29 Colours, 2 Solvents, 1 Hardener
Options	Multi-Gun, ATEX, Coriolis Mass Flow Meters, Robot Communications, Agitator Control, Remote Control, Printer Port, Atomising Air Switch Off



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

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.

Specifications

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)

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.



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

STEADI-GRIP

2.3 LITRE / 2 QUART PRESSURE CUP

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

Specifications

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)	4 lbs 13 oz
Maximum working pressure	3.5 bar (50 psi)

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.



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	Manual	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
	183G-1010-CE	40	11.8	Galvanised Carbon Steel	No Agitation	None	1/4"	3/8"	7.6	110
Galvanised Steel	183G-1012-CE	40	11.8	Galvanised Carbon Steel	Manual/Option	Manual	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.

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



Agitator type D



Agitator type I

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 31-401-1 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.

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

- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- Up to 60 RPM
- Stainless steel material, wetted parts
- 20:1 ratio.



Part no: 41-3312

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.

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 41-718810

- Cover for open-top container
- Used for 25 litre (5-gallon) container
- Shipping Wt: 2.75 kg (5 1/2 lbs)
- With inspection port and agitator hole.



Specifications

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	-



Part no: QS-574-H

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

4 5

Specifications

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.

Specifications

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



Part no: 149-873

Hand Held Quick Mixers

For 25/50L and 200L containers.

4 5

Specifications

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.



AIR OPERATED ROTARY AGITATORS, MIXERS AND ELEVATORS

4 5

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

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.

Specifications

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.



Electrically Driven Paint Agitator

The electrically driven agitators provide sufficient torque to drive paddle assemblies for the agitation of the modern Solventborne and Waterborne paints used in today's automotive industry. A range of paddle sizes and shaft lengths are available to accommodate the different diameters and heights of available paint tanks.

- AC Inverter control option
- Variable speed range
- Integral Shaft Seal
- Incorporation of Tank Lid Seal
- Integral flinger and drain pocket to prevent possibility of gearbox oil contamination.

4 5

Specifications

Part Number	106946 AC Inverter
Paddle Speed range	47 – 190 rpm
Electric Motor	400v – 3ph – 50Hz 0.37kW Motor Eexd II 2 G T4 IP66 Atex
Shaft Seal	PTFE
Mounting Boss	Ø160 with 4 – holes Ø9 on 140 PCD

Pneumatic Elevators

The new Binks elevators are driven by an easy to operate pneumatic actuator, enabling the changing of drums with a minimum of inconvenience. Both models feature an anti-twist mechanism, sturdy construction and are designed for use with both solvent-based and waterborne materials.

- Simple compressed air operation
- Speed control possible in both directions
- Elevator can be set at any height within its stroke and will not drop from that point
- ATEX approved & marked for use in Zones 1 and 2

4 5



Specifications

Part Number	Binks 25L Elevator 104153	Binks 205L Elevator 104112
Max working air pressure	7 Bar (101 psi)	7 Bar (101 psi)
Air Inlet	1/4" BSP female	1/4" BSP female
Stroke	500mm / 19.7"	955mm / 37.6"
Maximum Drum Size	Ø340mm	Ø640mm
Unit height (fully extended)	1380mm / 54"	2270mm / 89"
Weight	45.5Kg / 100lbs	64Kg / 140lbs



Part no: HGBR-609

BINKS FLUID REGULATORS

A complete range for all 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 Binks 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 Carlisle Fluid Technologies

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-509-5-R38 (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-R38	■		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-R38	■		2 (29)/12.5 (181)	1 (14)/5 (72)	13	3/8 NPS	3/8 NPS
with gauge 9 Bar	HGB-609-9-R38	■		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)	1.6	F 1/4 BSP	F 1/4 BSP
	HGB-510-R2		■	1 (14)/15 (217)	0.15 (2)/7	13	F 1/4 BSP	F 1/4 BSP
	HGB-510-R4		■	1 (14)/15 (217)	0.15 (2)/4	6.8	F 1/4 BSP	F 1/4 BSP
	84-598		■	2 (29)/15 (217)	0.5 (7)/15 (217)			
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)		3.8	1/2 NPT	1/2 NPT
HP in line regulator	84-420	■		206 (2987)	20.6 (298)/137.8 (1998)	3.8	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-509-5-R38



Pro Air-1



Pro Air-2



Pro Air-3

AIR FILTER REGULATORS

PRO AIR 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
- Two 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 Pro Air 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.

Pro Air-1 Filter Regulator

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

Pro Air-2 Filter Regulator Coalescer

The industry favourite is ideal for both industrial and heated "combi booths" Spray Booths, Triple filtration removes dirt and other contaminants down to 0.01 microns.

- Ideal for operator 'breathing' air

Pro Air-3 Filter Regulator Coalescer with activated carbon filter

- Ideal for operator 'breathing' air

This general purpose unit has been developed for both paintshop and general workshop applications. The Pro Air-3 provides air filtered to 0.01 microns suitable for air-fed respiratory outfits.

The Activated carbon filter removes oil carry over to removes dirt and other contaminants down to 0.003 micron.

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.

Filter Kits

Pro Air Model	Part No	Description
Pro Air-1	PROAIR-51	Replacement Air Filter
Pro Air-2	PROAIR-62	Filter Kit including Air Filter and Oil Fine Filter
Pro Air-3	PROAIR-63	Filter Kit including Air Filter, Oil Fine Filter and Activated Carbon Filter

Model – Pro-Air Range

	Pro Air-1	Pro Air-2	Pro Air-3
Air Inlet Thread	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)
Regulated Outlets	2 Valved	2 Valved	2 Valved
Unregulated Outlets	N/A	N/A	N/A
Air Outlets (Ball Valves)	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)
Width (Overall)	185 mm (7.2")	330 mm (12.9")	395 mm (15.5")
Height (Overall)	280 mm (11")	280 mm (11")	240 mm (9.5")
Weight	2300 gms (81 oz)	3375 gms (119 oz)	4205 gms (165 oz)
Capacity (Maximum Air Flow)	3500 l/min (124 cfm)	900 l/min (32 cfm)	900 l/min (32 cfm)
Maximum Air Inlet Pressure	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)
Maximum Operating Temperature	80°C (176°F)	80°C (176°F)	80°C (176°F)
Pressure Gauge	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)
Air Filtration	Down to 5 microns	Down to 0.01 microns	Down to 0.003 microns
Drain Valve	Semi-Automatic	Semi-Automatic	Semi-Automatic
Maximum Pressure Drop	5% of Inlet Pressure	10% of Inlet Pressure	10% of Inlet Pressure



Part no: FLFR-1



Part no: FLCF-1



Part no: FLRC-1



Part no: FLRCAC-1

FINISH LINE AIR FILTER REGULATORS & COALESCERS

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)

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.

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



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



150m hose reels are available.

AIR AND FLUID HOSES AND CONNECTORS (LOW PRESSURE)

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 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

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

Twin Hose Assemblies (High Pressure)

Part no.	Description	Max Working Pressure
H-7505-75-SF	Twin Superflex Hose Assembly 7.5m with 3/16" bore air and fluid hoses with 1/4" NPS connectors	270 Bar
H-7507-150-SF	Twin Superflex Hose Assembly 15m with 3/16" bore air and fluid hoses with 1/4" NPS connectors	270 Bar
H-7507-75	Twin Hose Assembly 7.5m with 1/8" bore air and fluid hoses with 1/4" NPS connectors	350 Bar
H-7507-150	Twin Hose Assembly 15m with 1/8" bore air and fluid hoses with 1/4" NPS connectors	350 Bar

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)

QUICK DETACH FITTINGS

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



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.



Part no: PROV-650 Air fed visor outfit

DEVILBISS PRO VISOR

AIR FED RESPIRATOR

- Purpose designed to provide best possible protection
- 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.
- Removable and washable anti-static shroud.

The DeVilbiss Pro Visor air fed respiratory protection system has been purpose designed for use in non electrostatic applications.

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.

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

Specifications

Approvals	PPE directive 89/686/EEC. Conforms to EN 14594:2005 Class 3A
Zone Classifications	Suitable for use in Zones 1 and 2 Hazardous areas (gas group IIA)
Protection	APF = 40 / NPF = 200 per HSG-53
Activated Carbon Filter Life	3 months
Supply Pressure	4.0 bar (60 psi) minimum to 7.0 bar (100 psi) maximum
Air Flow Rate	160 – 220 l/min (5.7 – 7.8 SCFM)
Noise level @ 220 l/min	80 dba



Part no: MPV-627 Complete face visor outfit

DEVILBISS MPV-627

AIR FED HALF-MASK BREATHING OUTFIT

- 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 Valair Half Mask Respirator

DEVILBISS MPV-629

HALF-MASK RESPIRATOR

- 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 Valair 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.

Part no	Description
MPV-629	Valair 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.

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 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
GFC-515	568ml (1 Pint) Black Polyester gravity cup for UV for PRi Pro Lite
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



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

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.

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)

DEVILBISS "UNI" SWIVEL FITTING (LOW PRESSURE)

4 5



Part no: MPV-60 or
MPV-60-K3 (pack of 3)

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

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.

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 5



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

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.

IN-LINE AIR ADJUSTING VALVE

4 5



Part no: HAV-501

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).

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



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

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.

SPOT POTS

4 5



Part no: KR-110-K3

- 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.

GRAVITY CUP FILTERS

4



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

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.

IN-LINE AIR FILTERS

4 5



Part no: HAF-507

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 acetal housing with 1/4" threads
- Lightweight design (only 50 grams) does not affect balance.

SUCTION CUP LID GASKETS

4 5



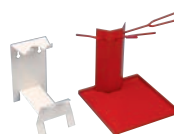
Ready to use, purpose fit suction cup lid seals.

- 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
GG-1	3 gun stand

MINI-FILTER (FLUID)

4

Stainless Steel final filter for all types of Spray Guns.



Part no: MF-6B-100B

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

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



Part no: MPV-4006

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.

- 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 and seal kit
DXK-5	End cap seal kit x 2
DXK-6	Caps and screws x 2
DXK-7	End cap nuts x 10
DXK-8	End cap

CONDUCTIVE GLOVES

4



Conductive Gloves pack of 12

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

Part no: 76633-00-K12

DISPOSABLE GUN COVERS

4



Disposable Gun Covers for Electrostatic Guns

Part no: 79529-00-K5 - Vector/Solo
Part no: 80395-K10 - Ransflex

PROTECTION HOSE

4



Protection hose 30mm grey for Electrostatic Guns

11775-05



Protection hose 55mm grey for Electrostatic Guns

11775-10

MULTIFUNCTION ELECTROSTATIC METER

4



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

DELUXE TEST EQUIPMENT

4



Ransburg test equipment provides a means of achieving an optimum finish – time after time by controlling and monitoring coating conditions. This comprehensive range of testing equipment (complete with a tough protective carrying case) assures a quality finish, less downtime and less paint waste. All Ransburg test equipment is compact and light-weight with accurate, digital readouts giving per-second updates.

- Kit includes, Paint Test Probe, Sprayability/Paint Test Meter, Gun Output Test Leads, kV Test Probe Kit
- Ground testing of conveyerised products
- Certified to ISO and ASTM standards
- Includes rugged carrying case.

Part no: 76652-04

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
GTI Pro Lite/Pro Lite E/PRI Pro Lite	PRO-470	Spray Gun Repair Kit
	GTI-428-K5	Seal and Pin 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
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
SRI Pro Lite	PRO-415-1	Spray Gun Repair Kit



Part no: KK-4502-XX-X



Part no: GTI-428-K5



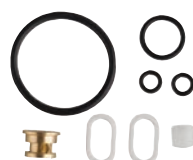
Part no: K-5044-N



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
AGMD PRO	AGMDPRO-406-K	Cam Kit
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



Operator Training Support



We conduct regular operator training courses throughout the year in our fully equipped training centre in Bournemouth.

The “modular” training courses cover all aspects and technologies used in the field of Spray Finishing. Delegates are able to gain valuable hands-on and theoretical experience with the advanced range of finishing products available from 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.

From within the manufacturing scope of our business comes 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 ISO 9001:2000 Quality Management System.

Defining and measuring Quality Objectives as a result of planned reviews and audits forms the basis for continuous improvement within our business. New objectives can be implemented at any time and are directed through the organisation as appropriate.



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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 visit our web site on: www.carlisleft.com.

Multilingual Literature and Product Service Bulletins

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

The Binks, DeVilbiss, Ransburg Europe Product Finishing web site is dedicated to providing 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 and Polish. 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.



Online Webshop

We have two web shops to serve our distributors specific needs dedicated to Industrial/Automotive and Refinishing requirements. Here are the web shop addresses:-

Industrial & Refinishing webshop: www.finishingbrandsshop.eu

- Sign up/Log in ▪ On Line Order placing ▪ Pricing
- Discounts ▪ Delivery ▪ Track your orders.

Once you have placed your orders you will soon receive an order acknowledgement detailing the items ordered, discounts and anticipated shipping dates. Web placed orders may be subject to additional discounts. All orders received are subject to the terms and conditions of sales of Carlisle Fluid Technologies (UK & Germany).



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Notes

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for writing. The paper itself is a clean, off-white color. There are no margins, text, or other markings present on the page.

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