

Product Catalogue

Industrial Finishing



ENGLISH

Finishing Solutions for the Global Market



Finishing Solutions for the Global Market

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

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

Innovation

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

Global manufacturing and R&D

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

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



Binks working in virtually every industry around the world

In 1890, Joseph Binks pioneered the spray gun industry with the introduction of the first cold-water paint spraying machine. It all started in the basement of Marshall Field & Company, when Joseph Binks figured out how to spray the walls instead of brushing them, and saved a lot of time. Binks used his invention to rescue the opening of the 1896 Colombian Exposition. Just days before the opening, nine of ten exhibit buildings stood unpainted, but Binks saved the day. Today you can find spray finishing technology from Binks at work in virtually every industry around the world.



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

Founded in 1888 when Toledo, Ohio physician Dr. Allen DeVilbiss combined a bulb, some tubing, and the base of an oil can to create the first atomiser for health care. DeVilbiss is now the leading supplier of spray finishing equipment to the industrial and automotive refinish markets. Since then, DeVilbiss has maintained its commitment to innovative technology by establishing itself as a team of experts who thoroughly understand the intricacies of the finishing process, the equipment design needed for achieving the highest quality finish, and the bottom line needs of customers to maximise productivity.



Ransburg, the acknowledged leader in electrostatic painting processes

Harold Ransburg developed the first electrostatic application system in 1940 with the introduction of Ransburg No1. Further developments through the 50s and 60s lead to Ransburg achieving material transfer efficiency levels of up to 98% and significant reductions in overspray, resulting in dramatic cost savings and reduced VOC emissions in a wide range of applications, in many different industries. Today Ransburg is acknowledged as the market leader in the design and manufacture of electrostatic equipment. Its cutting edge technology has led to the development of rotary atomisers like bells and discs.





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

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

Proven to be the best

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



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Substrate indicators guide users where our products can be applied:

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





Manual and Automatic spray guns...

Leading the way with spray gun Innovation

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



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

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



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

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

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

CONVENTIONAL "AIR SPRAY" ATOMISATION

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

HVLP (HIGH VOLUME LOW PRESSURE)

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

TRANS-TECH® (COMPLIANT)

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

AIRLESS SPRAY

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

AIR ASSISTED AIRLESS

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

Innovation and Technical Excellence

Global Leaders

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

Research and Development

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

Atomisation Technologies

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

Applications

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

Compatible Material/Coating Types

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

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

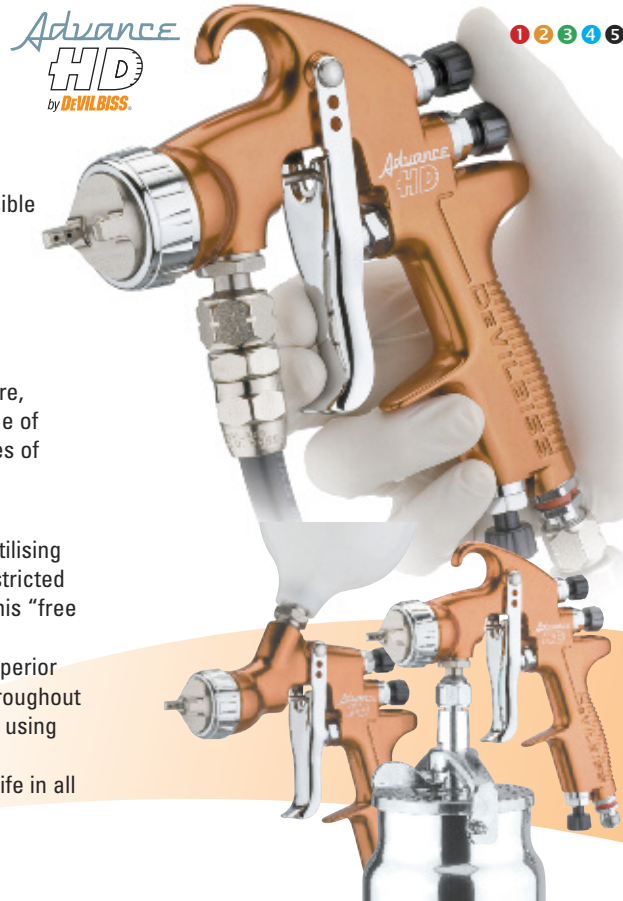
The all purpose mid-sized Compliant spray gun range

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

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

DeVilbiss expertise and performance unequalled at work...

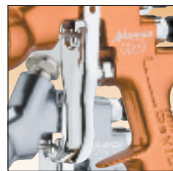
Advance *HD* unrivalled high performance is achieved with new design technology utilising high capacity air passages with a separate "balanced" air valve to provide an unrestricted flow of compressed air through the gun body. This "free breathing" air movement enables the precision-engineered air caps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



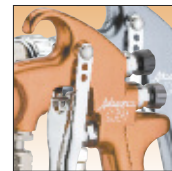
Key features and benefits for *High Demand* applications



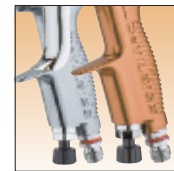
- "Trans-Tech" Compliant, HVLP or Conventional Air Caps, St St Fluid Tips and Needles with Hardened and tungsten carbide options provide universal compatibility with ALL Industrial Spray Coatings.
- Stainless Steel Fluid passageway/inlet with 3/8" Universal Thread for BSP and NPS compatibility.
- No 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.



- 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.

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 | P G | P | 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 | 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.

Optional accessories for Advance *HD* Spray Guns

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



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



Gravity cup pt. no. GFC-501



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

- 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

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...

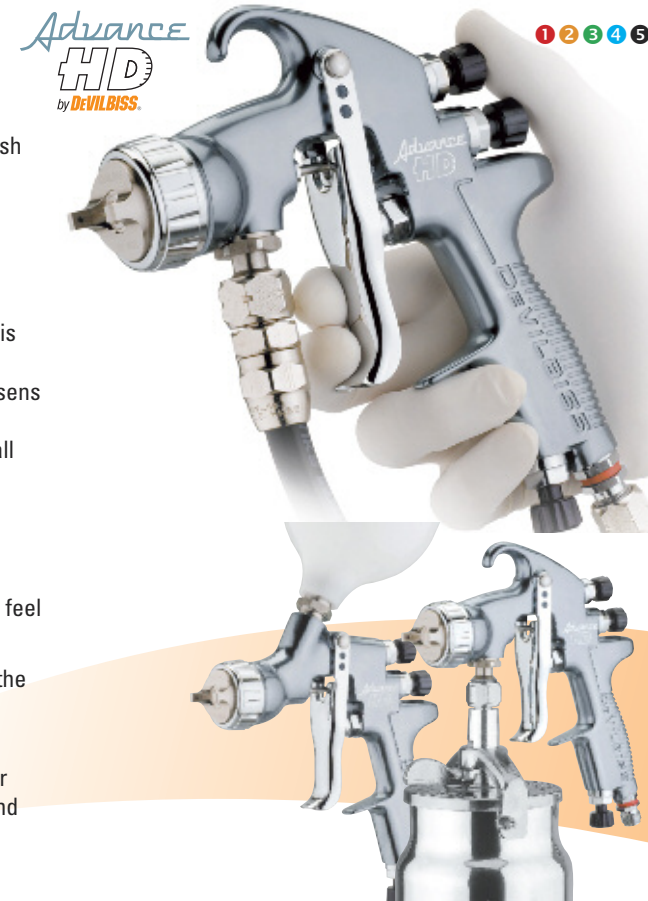
Light weight with a lighter trigger action and increased finger room. Advance *HD* is perfectly balanced and naturally comfortable thanks to the fit and feel of the contoured handle design. It greatly reduces operator fatigue and significantly lessens the chances of RSi or finger problems. Comfort that 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.



| 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

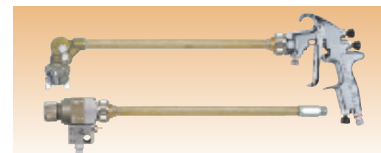
Fluid Tip and Cap Chart

| 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 | P G S | P G S | P G S | P S G | |
| 443 | Conventional | P | P | P G | P G | P S | P G S | P G S | P G S | P S G | G |
| 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 and/or tungsten carbide tips and needles are available in these sizes.

Spray Gun Extension's

See page 15 for the complete range



See page 57 for Service Kits.

**ADVANCE HD****GRAVITY SPRAY GUN WITH PRESSURE ASSISTED CUP**

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

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

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

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



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

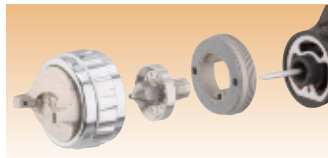
| Air Cap Number and Type | Air consumption | Air inlet pressure bar (psi) recommended | *Typical Fluid Flow ml | *Typical Fan Pattern size mm |
|-------------------------|-----------------------|------------------------------------------|------------------------|------------------------------|
| No.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

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



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

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

**GTi HD CONVENTIONAL****PRESSURE, GRAVITY AND SUCTION MANUAL SPRAY GUNS****DeVilbiss GTi HD – the ultimate in spray gun technology**

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

The 'full size' Compliant spray gun range

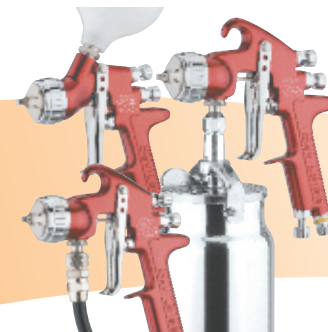
- Renowned DeVilbiss atomisation quality
- Trans-Tech fully EPA compliant for superior material transfer efficiency and significant paint savings
- High Speed application with consistent lay-down and superior finish
- Balanced air valve design for lighter trigger pull and improved air flow
- Tough, corrosion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

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

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

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

P = Pressure G = Gravity S = Suction



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

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

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

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

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

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

The 'full size' Conventional spray gun range

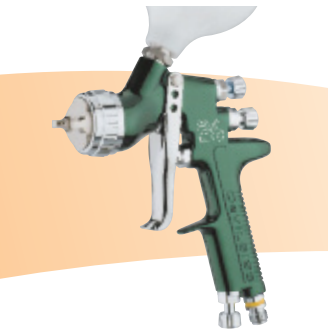
- Renowned DeVilbiss Atomisation Quality
- Genuine fast application rates
- Forged aluminium gun body for long life service
- Light smooth trigger action to reduce operator fatigue
- Balanced air valve design to improve air flow characteristics.

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

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

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

P = Pressure G = Gravity S = Suction



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

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

**PRI HD****GRAVITY MANUAL SPRAY GUN****DeVilbiss PRi HD –****The ultimate in primer spray gun technology**

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

The all purpose full size Compliant primer spray gun

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

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

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

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

Optional accessories for GTi, JGA and PRI Spray Guns

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



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

Gravity cup pt. no. GFC-501

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



Gravity Cup Part no: SRI-510

SRI HD

GRAVITY MANUAL SPRAY GUN

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

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

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

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



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

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

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

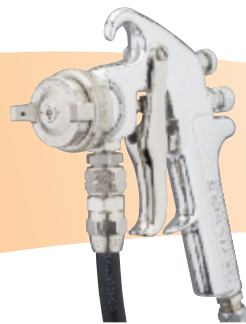
SRI HD Gravity Fluid Tip/Needle (mm) size and code: 0.8, 1.0, 1.2, 1.4

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

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

Typical Applications in General Industry

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



JGA

PRESSURE SPRAY GUN FOR ENAMEL, CERAMIC AND GLAZE APPLICATIONS

DeVilbiss JGA Spray Gun "The Industry Standard"

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

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

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

CSPRAY

PRESSURE AND GRAVITY MANUAL SPRAY GUNS

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

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

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

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

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

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

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



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



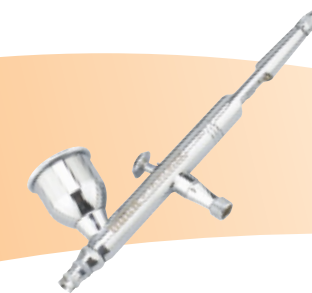
DGI PRO-502-BAR

DGI PRO

DIGITAL AIR PRESSURE ADJUSTER

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

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



DGR-501G-13

DAGR

MANUAL AIRBRUSH

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

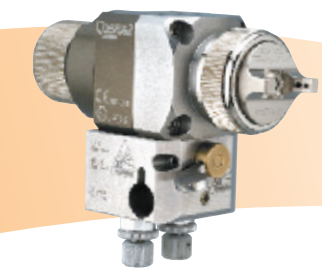
A collector's storage tin is included with every DAGR airbrush. DAGR is available from the wide network of DeVilbiss' industrial distributors.

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

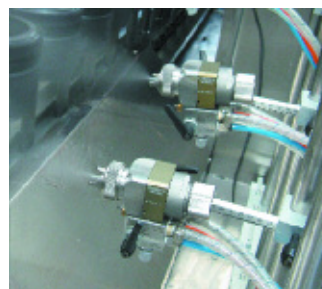
| | |
|------------------------------------|---------------------------------|
| Operating Pressure | 1.3-3.5 bar (20-50 psi) Maximum |
| Inlet Pressure | 12 bar (175 psi) |
| Fluid tip | 0.35 mm |
| Cup capacity | 9 mls (1/3 fl/oz) |
| Air hose connection | 1/4" NPS (M) |
| Universal fluid threaded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



COBRA 1



COBRA 2



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

COBRA 1 & 2

AUTOMATIC SPRAY GUNS

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

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

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

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

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

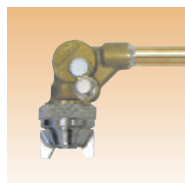
This special feature from DeVilbiss dramatically reduces production downtime.



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

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

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



Extensions
See page 15

COBRA 3c

LOW PRESSURE AUTOMATIC SPRAY GUN

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

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

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

Air Cap and Fluid Tip options and Part Numbers:

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

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

Product part number example

CBA3C-590HV-10N means:-

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

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.

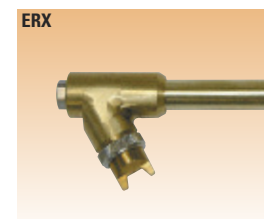
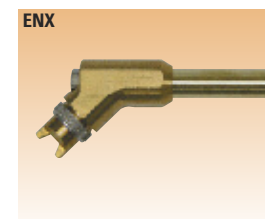
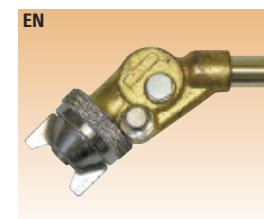
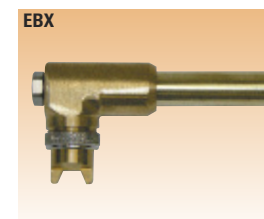
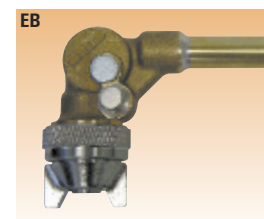
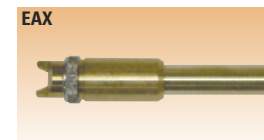
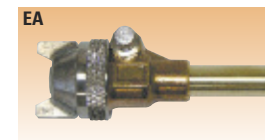
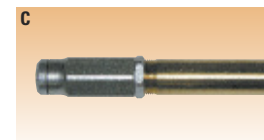
Part Number example:
AGMDPROU-XXXX-YYP

AGMDPRO = Gun
U = Fluid Recirculation
XXXX = Air cap
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, 1.4mm

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



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

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

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

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

| Ref | Type | Code | Clearance |
|-----|-----------------------|---------------|---------------|
| C | 360° circular spray | EXTCB2-C-XX | 3/4" (19 mm) |
| SC | 360° circular spray | EXTCB2-SC-XX | 3/8" (9.5 mm) |
| SA | forward round spray | EXTCB2SA-XX | 7/16" (11 mm) |
| EA | forward fan spray | EXTCB2-EA-XX | 13/4" (44 mm) |
| EAX | forward fan spray | EXTCB2-EAX-XX | 7/8" (22 mm) |
| EB | 90° fan spray | EXTCB2-EB-XX | 3" (76 mm) |
| EBX | 90° fan spray | EXTCB2-EBX-XX | 17/8" (48 mm) |
| EN | 45° fan spray | EXTCB2-EN-XX | 29/8" (67 mm) |
| ENX | 45° fan spray | EXTCB2-ENX-XX | 13/4" (44 mm) |
| ERX | 30° reverse fan spray | EXTCB2-ERX-XX | 2" (51 mm) |

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

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

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

(spray guns not included with extensions)

Extensions are for use on pressure feed applications only.

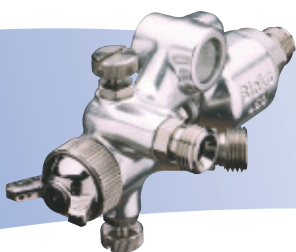
Length options 6" (15cm), 9" (23cm), 12" (31cm), 15" (38cm), 18" (46cm), 24" (61cm), 30" (76cm), 36" (91cm), 48" (122cm), 60" (152cm), 72" (183cm), 84" (213cm)

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

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

*"Bellows System"***Example of AGN spray gun part numbering:- AGN-502-YYZ-XX means...**

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

*Air and fluid inlet 1/4" BSP Fluid passages aluminium***VIPER****AUTOMATIC SPRAY GUN FOR THE GLAZE AND CERAMIC INDUSTRIES**

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

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

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

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

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

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

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

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

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

AGN**AUTOMATIC SPRAY GUN FOR CERAMIC AND ENAMEL APPLICATIONS**

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

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

Air cap selection table

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

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

460**BINKS AUTOMATIC SPRAY GUN**

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

Air cap selection table (Conventional)

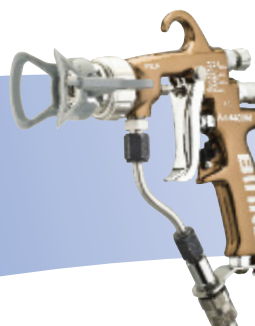
| Part no. and code | Tip diameter in mm | | | |
|-------------------|--------------------|------|-----|-----|
| | 0.5 | 0.75 | 1.0 | 1.5 |
| 200831 J92S | | | ■ | |
| 200833 J92P | ■ | ■ | ■ | |
| 200838 K92P | | ■ | | ■ |

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.

See page 57 for Service Kits.

MANUAL AIRLESS AND AIR ASSISTED SPRAY GUNS

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



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



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

AA4400M**BINKS AIR ASSISTED AIRLESS HVLP MANUAL SPRAY GUN****Binks Air Assisted Airless manual spray gun**

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

Spray fan pattern is adjustable on the gun...

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

| 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.

AA4400M gun (only) part numbers

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

†Order tip separately.

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

Gun and Hose packages

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

AA4400M-75T gun with twist tip cleaner attachment and tip.

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

**AA4400M**
by BINKS

- 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.

Raptor LITE Package includes:-


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

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


See page 35 for details




See page 57 for Service Kits.



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



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



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

AIRLESS A75


BINKS AIRLESS – THE PROFESSIONALS CHOICE

Binks Airless 75 Spray Guns for the toughest of spray jobs. Operators will feel the difference when handling the lightweight Airless 75 gun thanks to the contoured handle design. The forged aluminium gun body is made to outlast the competition and will operate all the way up to 517 BAR (7500 psi) The unique needle design and extra wide stainless steel fluid passages 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.


| Airless 75 Specifications | |
|---------------------------|--------------------------------------|
| Max Fluid Pressure: | 7500 psi (571 BAR) |
| Gun Body: | Anodised Aluminium |
| Maximum Temperature: | 175° F (79° C) (heat guard required) |
| Fluid Path: | Stainless Steel |
| Fluid Inlet: | 1/4 NPS |
| Gun Weight: | 660 g |

Airless 75 Spray Tip Selection Chart – PART NUMBER 9-XXX-75 (Tips rated for use at 7500 psi)
All of the following tips will have a grey tip handle.


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



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



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



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

18 PRODUCT CATALOGUE


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

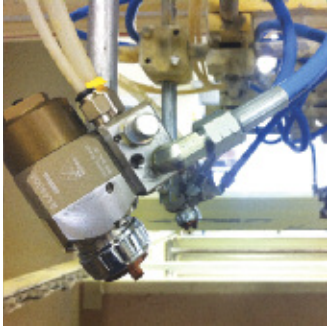


Example of AA4400A spray gun part numbering:- AA44 X-YY-ZS means...

AA44 = Model
X = Recirculation
U = Base/no recirculation
H = Head recirculation

YY = Air Cap
Z = Air controls
M = Manual control fitted
P = Manual controls removed and plugged

S = Spray gun assembly
B = Spray head + base
G = Spray head only



AA4400A

BINKS AIR ASSISTED AIRLESS HVLP AUTOMATIC SPRAY GUN


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

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

Premium tip range : Part No. 114-XXXXX

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

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



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

BINKS MODEL 550 SPRAY GUN

AIRLESS AUTOMATIC SPRAYGUN

For spraying protective coatings such as lacquers, enamels, water based emulsions, mould release agents and sound deadeners. Spray gun equipped with tip guard, stainless steel fluid passages and forged aluminium spray gun body. Actuating air pressure is 40-60 psi. The material body may be installed in any of four positions to facilitate fluid hose connection. Spray tip not included, order separately. Mounting hole is 1/2" diameter, furnished with set screw. (Maximum operating pressure is 3000 psi).

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

PRODUCT CATALOGUE 19

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

See page 57 for Service Kits.

Contents

Manual Guns

Automatic Guns

H.P. Pumps

L.P. Pumps and Tanks

2K

Electrostatic

Filter Paper

Accessories & Spares



Electrostatic Spray Guns and Equipment...

Ransburg

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

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

Electrostatic Spraying (Manual Guns)

The Electrostatic technique can be applied to Air Spray, HVLP/ Compliant and Air Assisted Airless atomisation spray systems. Ransburg Electrostatic spray guns introduce a high voltage charge into the spray pattern which in turn adds the electrostatic charge into the atomised paint particles. The work-piece is earthed and the attraction between the atomised particles and the work-piece is strong enough to attract the paint/material onto the component with excellent "wrap" characteristics around the back of the work-piece. Providing very high deposition rates with high transfer efficiency, resulting in greatly reduced paint usage compared to conventional methods in full compliance with worldwide VOC regulations.



Innovation and Technical Excellence

Research and Development

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

Technology Led Innovation

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

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

Applications

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

Compatible Material/Coating Types

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

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

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

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

Vector Solo Typical Markets and Applications include...
The Aerospace Industry, General Metal Spraying, Commercial and Off-Road Vehicles, plus many others...



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



SOLO 65KV
LOW PRESSURE AIR SPRAY

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

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

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

Specifications

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

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

Vector Solo 65 kV models available

79965 -

Air Hose Length

0 = No Air Hose (Gun-only)

1 = 10m (33ft)

2 = 15m (49ft)

3 = 20m (60ft)

4 = 30m (99ft)

Fluid Tube Style

0 = Standard Fluid Tube, .093" ID x 3/8" OD

1 = Coiled Fluid Tube, .093" ID - Low Flow

Spray Technology

0 = Standard Spray, 65kV Air Cap, 1.4 mm Fluid Nozzle, #44

1 = Standard Spray, 65kV Air Cap, 1.8 mm Fluid Nozzle, #45

2 = Trans-Tech, 122kV Air Cap, 1.8 mm Fluid Nozzle, #245

3 = Round Spray

Air Hose Type

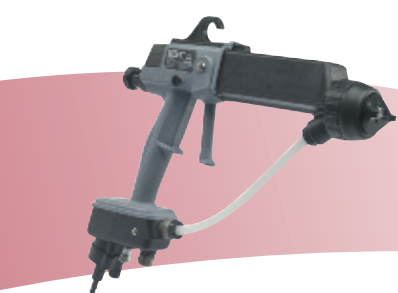
0 = No Air Hose (Gun only)

1 = Standard Air Hose

2 = Standard Air Hose with Quick-Disconnect Fitting

Trigger Style

2 = Two-Finger Trigger



Solo 85kV solvent version



Solo 85kV waterborne version

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

Fluid Nozzle Selection Table

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

SOLO 85KV SOLVENT / WATERBORNE
LOW PRESSURE AIR SPRAY

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

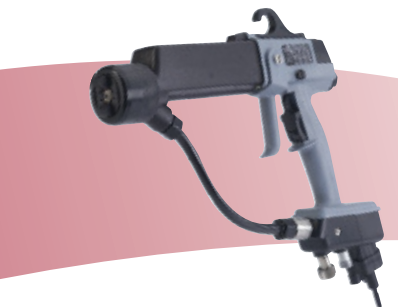
minimising handle vibration, Vector Solo delivers better control and uniform applications. This versatile electrostatic applicator delivers convenience, consistency and accuracy. Available in either solventborne or waterborne models, the Vector Solo is sure to meet your operation’s finishing needs.

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

Specifications

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

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



Solo AA90 for high pressure atomisation applications.

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

SOLO AA90 85KV
AIR ASSISTED AIRLESS

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

range of movement to achieve consistent applications. The superior ergonomic balance improves user comfort and lessens fatigue for an increase in productivity. Vector Solo AA’s efficiency, convenience and versatility helps to lower your bottom line.

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

Specifications

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

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

Fluid Tip Selection Table

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

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



VECTOR R90 CASCADE SOLVENT / WATERBORNE

LOW PRESSURE AIR SPRAY

Vector R70 & R90 Cascade guns

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

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

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.



Waterborne version



New 9060 power supply

VECTOR R70 CASCADE

LOW PRESSURE AIR SPRAY

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



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.



Waterborne version

Vector Series data

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

High voltage supply ¹external / ²internal

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

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

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

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.

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.



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.



Vector AA90



New 9060 power supply

Electrostatic power with flexibility

The gun is available in classic or cascade technology

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) |

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.



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

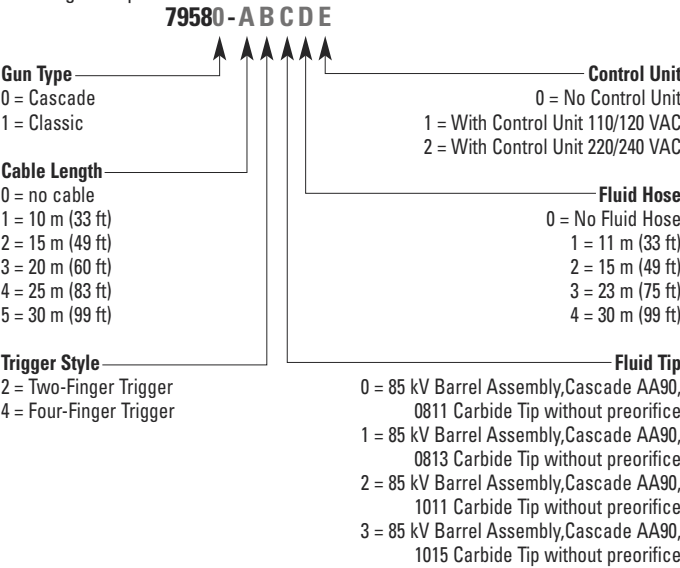
| Fluid Tips | Air Caps |
|-----------------|------------------------------------------------------|
| 0.7 mm (0.028") | 65 Conventional 98 Conventional 122 Trans-Tech |
| 1.0 mm (0.042") | |
| 1.2 mm (0.047") | |
| 1.4 mm (0.055") | |
| 1.8 mm (0.070") | Round Spray |
| Round Spray | |

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

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

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

Ordering example:



Models

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



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.

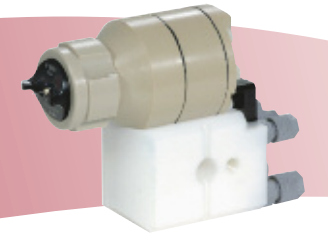
| | |
|--------|--------|
| Length | 500 mm |
| Weight | 1250 g |

| 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 |

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

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



ESTAQUICK AUTOMATIC

LOW PRESSURE AIR SPRAY

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

Specification

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

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

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

AEROBELL



9060 HV1

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

Specification

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

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

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

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



Aquapack high pressure system



Aquapack low pressure system

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.

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

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.



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.



Part no: 76652-03

TEST EQUIPMENT

MULTIFUNCTION ELECTROSTATIC METER

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



Pump and Fluid Handling Equipment...



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

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

Binks – years of experience manufacturing the worlds best paint pumps

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

Confirmed reliability

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

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



BINKS MX, DX AND MAPLE SERIES 5-YEAR WARRANTY

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

Innovation and Technical Excellence

Plural Component 2K

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

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

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

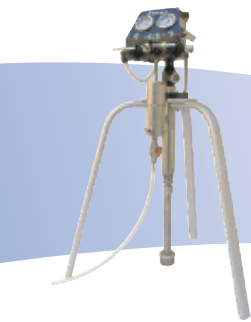
The Binks and DeVilbiss products depicted in this section of the catalogue include; Air and Fluid Regulators, Operator Air Fed Visors, Air and Fluid Hoses, Pressure Feed Tanks, Paint Agitators and Spray Booth Filter Paper.

Applications

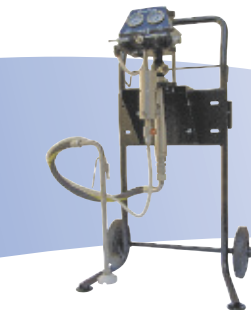
- Aircraft and Aerospace Industry
- Agricultural and Farming Machinery
- Defence and Military Fighting Vehicles
- Furniture, Woodworking and Joinery
- General Industry
- Leather Goods and Shoe Makers
- Marine and Boating Industry
- Off-road Vehicles and Fork Lift Trucks
- Rail and Transport
- Ship Building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

Compatible Material/Coating Types

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



MX4/12 D-AC – tripod mounted AAA outfit



MX4/32 C-AC – cart mounted AAA outfit

BINKS MX

HIGH PRESSURE PAINT PUMPS

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

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

MX Pump features include:

- Magnetic detent (patent) for quick stroke change over with no pulse
- Fully Stainless Steel wetted parts and fluid section
- Anti-stall no ice design
- Large sight glass for visual packing inspection
- Solvent cup keeps packings well lubricated
- Self adjusting spring loaded packings

Quality Passport for Binks MX-Pumps:

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

- All wetted parts are Stainless Steel – Ideal for use with solvent & water based paints/materials
- Fixed, spring tension packings – Lower maintenance and reduced running costs
- All valve seats are Tungsten Carbide – Long durable working life
- Piston is ultra-hard Chrome plated – Extra wear resistant and longer packing life

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

- Divorced pump design – zero potential for paint to enter air motor
- Durable design for heavy duty long working life
- 5 year pump warranty (workmanship and materials)
- CE marked and fully ATEX approved.

- Stainless Steel fluid filter inc. N.R. Valve – Prevents material blockages at the gun tip
- Standard pump packings PTFE/UHMWPE (other options are available)
- CE marked and ATEX approved for all applications.



Gravity feed option.



Gravity feed option.

MX4/12 – Airless & Air Assisted Airless Packages

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

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

MX4/32 – Airless & Air Assisted Airless Packages

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

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



MX12/12 W-AC – wall mounted AAA outfit



MX12/31 C-AC – cart mounted AAA outfit

MX12/12 – Airless & Air Assisted Airless Packages

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

Mounting types available: Cart and wall.

MX12/31 – 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.

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

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

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

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





MX22035PU-SAH-CAC – cart mounted AAA outfit



MX22060PU-SAH-WAL – wall mounted Airless outfit



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

Binks MX35/35 – Airless & Air Assisted Airless Packages

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

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

Binks MX35/60 – Airless Packages

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

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

Binks MX35/70 – Airless Packages

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

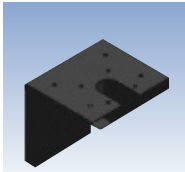
*Noise level recorded whilst pump was running at 80psi (5.5 BAR) @ 10 cycles per minute.

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

BINKS MX Pump Outfit contents and part numbers

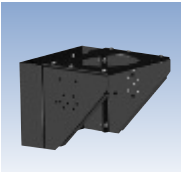
| | MX22035PU-SAH-CAL | MX22035PU-SAH-WAL | MX22035PU-SAH-CAC | MX22035PU-SAH-WAC | MX22060PU-SAH-CAL | MX22060PU-SAH-WAL | MX19070PU-SAH-CAL | MX19070PU-SAH-WAL |
|------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----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

MX Pump Outfit Accessories



Wall Bracket

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



Wall Bracket

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



MX Pump Outfit Accessories - continued



Cart Assembly

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



Cart Assembly

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



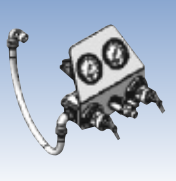
Tripod Assembly

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



Lubricating Oil

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



Air Controls

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



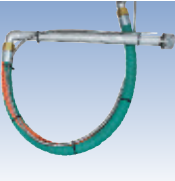
Air Regulator

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



Fluid Filter

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



Suction Hoses

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

Silencer

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



Hose Storage Bracket

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

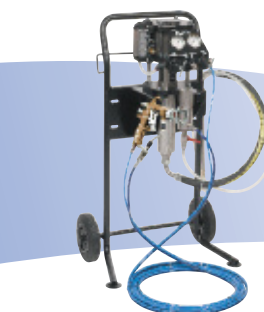


Airless Hoses

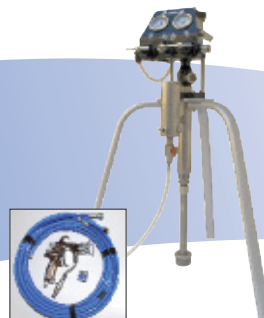
| Part Number | Description | Pump |
|-------------|------------------------------------------------------------------------|-----------------------------|
| H-5850 | 1.8m Airless whip end 1/4" bore with 1/4" NPS connectors (500 BAR) | MX35/35 - MX35/60 - MX30/70 |
| H-5851 | 1m Airless whip end 1/4"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

BINKS RAPTOR MAX

AIR ASSISTED AIRLESS AND AIRLESS SPRAY PACKAGES



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



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



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

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

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

Specifications

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

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

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

Raptor MAX Packages include:-

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

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

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

*Complete with 6L gravity hopper.



Raptor MAX outfits include AA4400M OR A75 spray guns



Gun and hose packs

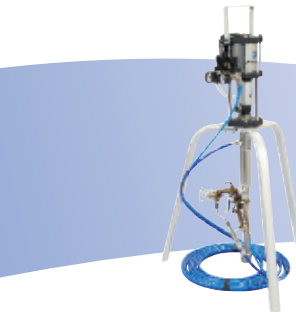


See pages 17 and 18 for air assisted airless and airless guns with hose packages.



BINKS RAPTOR LITE

32:1 AIR ASSISTED AIRLESS SPRAY PACKAGE



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



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

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

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

Specifications

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

AA4400M Gun Specification

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



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



Premium fine finish and twist tip range available

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



LOW PRESSURE PAINT PUMP

MX12/05 – Low Pressure Paint Pump

| 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.

MXL1205PU

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

MAPLE PUMPS

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

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

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

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

Specifications

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

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

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

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



Maple 7/15

Maple 8/25

Maple 15/3

BINKS DX70

AIR OPERATED 1:1 DIAPHRAGM PUMPS

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

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

Specifications

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

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

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.*



MAGIC FLOW

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

Universal 2K Electronic Mixing Unit

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

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



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

MAGIC MIX

Universal 2K Electronic Mixing Unit

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

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

Binks MagicMix is the best solution.

- Easy to control with repeatable results

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



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

PRESSURE FEED CONTAINERS

PRESSURE FEED CONTAINERS

Pressure Feed Containers

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

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

Binks have a pressure tank to fit every industrial application.

Agitators

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

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

Zinc Plated for Solvent-Based Coatings (10 litres)

Shown with optional twin air regulators.

4 5

Stainless Steel Wetted Parts (10 litres)

Stainless steel passageways for solvent and waterborne materials.

2 4 5

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

For waterborne and solvent based materials.

2 4 5

Galvanised Carbon Steel (40 litres)

For solvent based materials.

4 5

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

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

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

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

Replacement tank liner part numbers are:

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

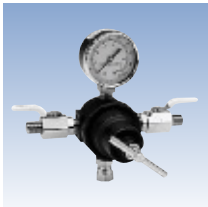
When combined with the use of disposable liners, there is no more economical way to run a paint operation for most applications.

Pressure Feed Containers - Range and Specification

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

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

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



Pressure Feed Containers - Accessories

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

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

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



Binks drive unit for 205 litre (55 gallon) drums

Model 31-401 Agitator Drive

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

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



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

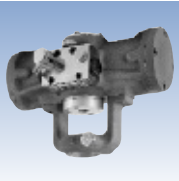
- Indirect geared air motor drive, oil less design
- Fully approved to ATEX
- 30 to 100 RPM
- Stainless steel material, wetted parts
- 15:1 ratio.



Agitator type D



Agitator type I



Agitator type R (optional).

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



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.

| | |
|------------------------------------------|----------------------|
| Air inlet and outlet connections threads | 1/4" BSP(M) |
| Fluid outlet connection (to Spray Sun) | 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) |



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.

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

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.

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.



Part no: 41-3312

AIR OPERATED ROTARY AGITATORS AND MIXERS

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 41-3205


- Cover for open-top container
- Used for 25 litre (5-gallon) container
- For Pogo, Pogo B, and Transmatic
- Shipping Wt: 2.75 kg (5½ lbs)
- Ref. Part Sheet: 77-1470

| Model Number | 41-3312 | 31-133-CE |
|------------------------------|---------------------------------|--------------------------------|
| Includes | Agitator & Drive Agitator Drive | Assembly Only & Cover Assembly |
| Shaft/Propeller Material | Stainless Steel | Stainless Steel |
| Container Size | 25 litre (5 Gallon) Pail | 25 litre (5 Gallon) Pail |
| No. of Propellers or Paddles | 1 | 1 |
| Propeller/Paddle Diameter | 79mm (3⅜ in) | 79mm (3⅜ in) |
| Shaft Speed | To 3000 RPM | To 3000 RPM |
| Air Drive Type | Direct (HP:¼) (CFM:10-14) | Direct (HP:¼) (CFM:10-14) |
| Shipping Weight | 6 kg (12 lbs) | 16.6 kg (33 lbs) |
| Part Sheet Reference | 77-1474 | — |



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Part no: QS-574-H

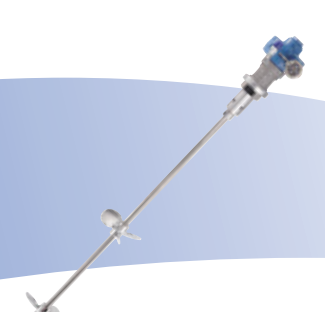
Binks Direct Drive Agitators for 205 litre (55 gallon) drums

| 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.

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

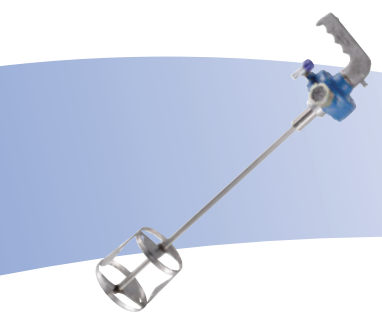
Model 41-3304 for 205 litre (55 Gallon) Drums

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

| Model Number: 41-3304 | |
|------------------------------|----------------------------------|
| Includes | Agitator & Drive Assembly Only |
| Material | Stainless Steel |
| Container Size | 205 litre (55 Gallon Drum) |
| No. of Propellers or Paddles | 2 |
| Propeller/Paddle Diameter | 130 mm (5⅓ in) (SS) |
| Shaft Speed | To 1000 RPM |
| Air Drive | Type: Direct / HP: ¼ / CFM:10-14 |
| Shipping Weight | 6 kg (12 lbs) |
| Part Sheet Reference | 77-1390 |

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Part no: 149-873

AIR OPERATED ROTARY AGITATORS, MIXERS AND ELEVATORS

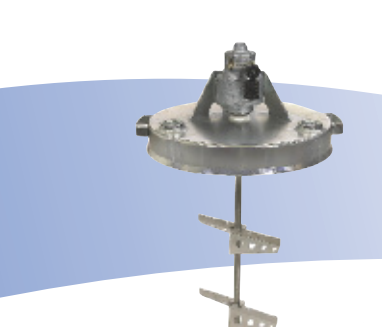
Hand Held Quick Mixers
For 25/50L and 200L containers.

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

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

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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:
 - ½ HP air motor (10 to 14 CFM)
 - Zinc Plated Clear Chromate cover (31-124)
 - Two 370mm (14½ in. diameter Stainless Steel paddles with Stainless Steel shaft

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


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

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| Container Size | 205 litre (55 Gallon) Drum |
| Motor Specifications | Air Motor Model: Gear / HP: ½ / CFM: 10-14 |
| Shaft Specifications | Mount: Flange / Diameter: 12.7 mm (½ 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.

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Pneumatic Elevator

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

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

Specification

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

Optional accessories

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

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44 PRODUCT CATALOGUE

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

PRODUCT CATALOGUE 45



Part no: DVFR-1



Part no: DVFR-2



Part no: DVFR-3



Part no: DVFR-4



AIR FILTER REGULATORS

DVFR Advanced Air Management

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

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

DVFR-1 Filter Regulator

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

DVFR-2 Filter Regulator Coalescer

- Ideal for operator 'breathing' air

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

DVFR-3 Filter Regulator Coalescer

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

DVFR-4 Filter Regulator Coalescer

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

Replacement Filter elements

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

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

AIR FILTER REGULATORS

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

*Suitable for Breathing Air



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 |



Part no: HGBR-609

BINKS FLUID REGULATORS

A complete range for all industrial applications.

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

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

Note: For ceramic applications contact Finishing Brands

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



Part no: HGS-5222



Part no: 84-404



Part no: HGB-510-R1



Part no: 84-420

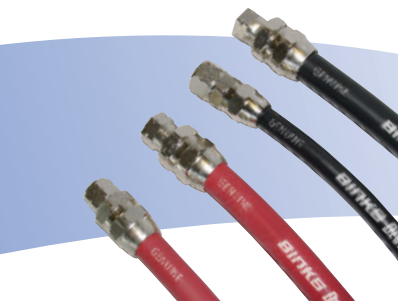


Part no: HGB-509

AIR AND FLUID HOSES AND CONNECTORS (LOW PRESSURE)

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

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



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



150m hose reels are available.

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 |

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)

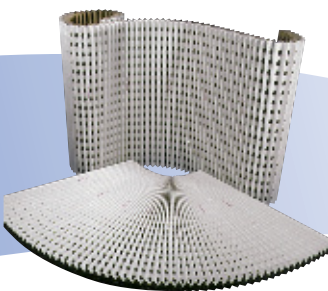
QUICK DETACH FITTINGS

| 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.



Standard Filter Paper

BINKS DISPOSABLE STANDARD SPRAYBOOTH FILTER PAPER 4 5

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

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

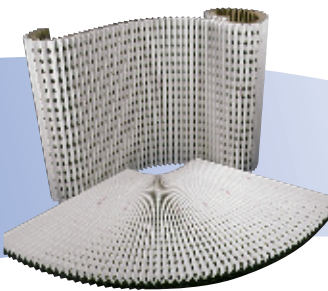
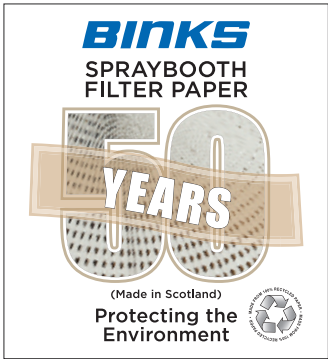
| Standard Filter Paper Technical Specification | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Filter Construction | Self supporting, two ply high strength cardboard paper.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

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

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

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

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



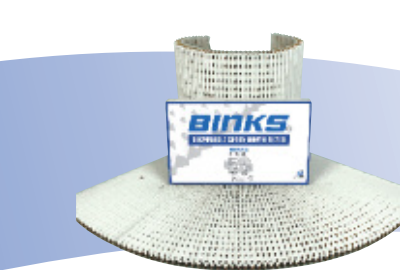
ECO Filter Paper

BINKS ECO SPRAYBOOTH FILTER PAPER 4 5

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

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

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



SUPER Filter Paper

BINKS SUPER FILTER – SUPER EFFICIENCY SPRAY BOOTH FILTER PAPER 4 5

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

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

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

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

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





Part no: PROV-600 Air fed visor outfit

DEVILBISS PRO VISOR

AIR FED RESPIRATOR

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

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

Specifications

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

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.



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 Valuair 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 Valuair mask with A2 filter cartridges can therefore be used in areas of contamination up to 10 x the Occupational Exposure levels set by the Health and Safety Executive. Suitable for use with cellulose paints, primers, lacquers and varnishes but not suitable for use with Isocyanates. Assigned Protection Factor of 10.

Specification

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



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

DEVILBISS MPV-496

HALF-MASK RESPIRATOR

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

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

DEVILBISS MPV-497 FREEDOM

HALF-MASK RESPIRATOR (ALTERNATIVE TO MPV-496)

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

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.

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

DEVILBISS GUN MOUNTED PAINT FILTERS



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

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



Gravity Feed Cups

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

Suction Feed Cups

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

DEKUPS DISPOSABLE CUP SYSTEM



Part no: DPC-601



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.

DRIP-FREE DIAPHRAGMS



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



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



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



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

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.

BINKS DISPOSABLE PRESSURE TANK LINERS



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

Custom made of tough, durable high-density Polyethylene for maximum performance. Includes Anti-Static additive to minimise static electricity build-up from the friction of shipping and handling liners. When combined with the use of disposable liners, there is no more economical way to run a paint operation for most applications.

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

ACCESSORIES

DGI PRO DIGITAL AIR PRESSURE ADJUSTER



Part no: DGiPro-502-BAR

Provides accurate control of air pressures on Spray Guns, Paint Pumps, Pressure Tanks and many other finishing products and applications.

The DGi Pro digital air pressure gauge by DeVilbiss is a 'Zone 0' approved digital air pressure gauge designed specifically for the Spray Finishing Industry. Engineered by DeVilbiss, the DGi Pro can even be put into the gun wash machine! Accurate and repeatable pressure settings to within .05 bar are assured with the smooth valve action. The DGi Pro is designed to have a service life of two years based on 24 hours a day continuous use.

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

DEVILBISS "UNI" SWIVEL FITTING (LOW PRESSURE)



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



Part no: DGD-505-E

Harness your compressed air for clean-up's.

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

MIXING CUPS



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

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.

VS-522 FLUID STRAINER



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



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



Part no: KK 4584

- 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.

VISCOSITY CUPS



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



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



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

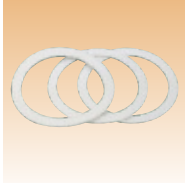


Part no: HAF-507

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

SUCTION CUP LID GASKETS



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

- 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.

GRAVITY GUN STANDS



Stable metal workbench gun stands.

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

MINI-FILTER (FLUID)



- Stainless Steel final filter for all types of Spray Guns.
- Lightweight compact design
 - Small internal volume – reduces paint wastage during cleaning/purging
 - Fully Stainless Steel
 - For use with waterborne and solvent based materials.

Part no: MF-6B-100B

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

DEVILBISS EYE PROTECTION GOGGLES



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



| 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



| 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



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

CONDUCTIVE GLOVES



Part no: 76633-00-K12

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

DISPOSABLE GUN COVERS



Part no: 79529-00-K5

Disposable Gun Covers for Vector/Solo Guns

PROTECTION HOSE



11775-05

Protection hose 30mm grey for Vector/Solo Guns



11775-10

Protection hose 55mm grey for Vector/Solo Guns

SPRAY GUN SERVICE KITS

Manual Spray Guns

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

Automatic Spray Guns

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

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 |



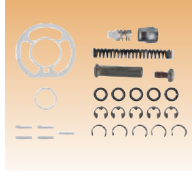
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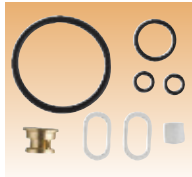
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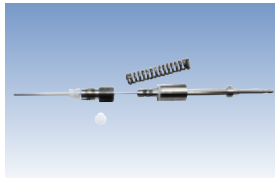
Part no: K-5044-N



Part no: PRO-415-1



Part no: SPK-117



Part no: 54-5826



Operator Training Support

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

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

Training Program

1 and 2 day courses are available for many different products and technologies and are customised for customers and our distributor personnel (Sales, Service & Technical). Our professional trainers utilise the very latest training techniques and facilities to provide delegates with everything necessary to begin using and servicing our finishing equipment. Upon completion of the modular training courses a professional training certificate will be presented to the delegates to confirm the specific training received.

Training modules include:

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



Quality policy

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

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

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



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

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

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