WOOD FINISHING
EQUIPMENT SELECTION GUIDE
Wood Finishing Solutions with Global Manufacturing and R&D

Finishing Brands incorporating the world leading spray finishing Brands of Binks, DeVilbiss and Ransburg manufacture and supply all types of specialised Wood Finishing Equipment and Accessories. With facilities located in Europe, USA, China, Australia, Brazil, Japan, Mexico and India with long established Industrial Distributors serving all Countries around the World.

Selecting the right wood finishing system for the job...

Achieving the perfect finish for the “wood job” starts by matching the spray materials with the correct spray application method and equipment. This wood selection guide intends to provide the end user with the information to make an informed decision by taking into consideration influencing factors such as Finish quality, Spray atomisation technology, Transfer efficiency, Material, Equipment operation, Operator training, Environmental considerations and legislation. The products include an “application indicator” paint container which is colour coded to indicate which Binks, DeVilbiss or Ransburg product should be used with the appropriate spray material. This wood guide also explains in detail the type of atomisation technology to apply the paint material with the best and most efficient process.

For more information visit www.CarlisleFT.eu or contact any of our global operations direct via the contact information on the back page.

Atomising technologies used in wood finishing

<table>
<thead>
<tr>
<th>Trans-Tech© (Compliant)</th>
<th>Airless Spray</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 HVLP has mostly been replaced by DeVilbiss Trans-Tech Atomisation in most applications due to its superior finish quality.</td>
<td>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 6600 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.</td>
</tr>
<tr>
<td>HVI[P (High Volume Low Pressure)]</td>
<td>Air Assisted Airless</td>
</tr>
<tr>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td>Conventional “Air Spray” Atomisation</td>
<td></td>
</tr>
<tr>
<td>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).</td>
<td></td>
</tr>
</tbody>
</table>

For more information visit www.CarlisleFT.eu or contact any of our global operations direct via the contact information on the back page.
### Material and technology compatibility

<table>
<thead>
<tr>
<th>Process</th>
<th>Recommended application equipment (Manual Spray)</th>
<th>Recommended application equipment (Automatic Spray)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Staining</strong></td>
<td>The application of stain enhances the grain structure and equalises the natural colour differences, applying the stain evenly for overall absorption into the substrate wiping off the excess stain with the grain of the timber. Spray application is ideal because of its good penetration rate and quick drying nature of modern stains.</td>
<td>DeVilbiss FLG spray gun (Pressure/Suction/Gravity) with 1.4 mm to 1.8 mm tip and No.5 or No.622 cap. Fine Staining with DeVilbiss SRI Pro Lite gun with 1.0/1.2 mm tip with TE5/RS1 cap.</td>
</tr>
<tr>
<td><strong>Basecoat/Sealers/Primers</strong></td>
<td>Provide a stable flat base for topcoats, they are generally high build easy sanding products to fill the grain and minor imperfections in the timber. Primers and Sealers are generally available for pigmented finishes.</td>
<td>DeVilbiss PFL Pro Lite Gravity gun 1.6/1.8 mm tip with PR10 cap. OR DeVilbiss Advance HD spray gun (Pressure/Suction/Gravity) with 1.0/1.2/1.4 mm tip with 510+ 520 or 522 air cap. OR DeVilbiss GFG/JGA Pro spray guns (Pressure/Suction/Gravity) with 1.6/1.8 mm tip with C1/C2/C3 cap.</td>
</tr>
<tr>
<td><strong>Pre-catalyst Lacquer</strong> (single pack)</td>
<td>A modified cellulose lacquer to provide superior durability. Generally available in clear and pigmented colours.</td>
<td>Binks Air Assisted Airless AA4400M spray gun 0.009&quot; to 0.013&quot; tip (23 mm to .33 mm) and MXL 32:1 AAA pump. OR DeVilbiss Advance HD spray gun (Pressure/Suction/Gravity) with 1.0/1.2/1.4 mm tip with 510+ 520 or 522 air cap. OR DeVilbiss GTI Pro Lite Pressure/Suction/Gravity gun with 1.4 to 1.8 mm tip with TE10/TE20 or TE30 Cap. OR DeVilbiss GFG/JGA Pro spray guns (Pressure/Suction/Gravity) with 1.8 mm tip with C1/C2/C3 cap. Patina/Shading with DeVilbiss SRI Pro Lite gun with 1.0/1.2 mm tip with HV5/TE5/RS1 cap.</td>
</tr>
<tr>
<td><strong>Twin Pack (2K) Coatings</strong></td>
<td>A highly durable product with high build characteristics giving a good finish with less multi coat applications. Generally available in clear and pigmented colours including acid catalyst, polyurethane and epoxy high gloss.</td>
<td>Binks Air Assisted Airless AA4400M spray gun 0.009&quot; to 0.013&quot; tip (23 mm to .33 mm) and MXL 32:1 AAA pump. OR DeVilbiss Advance HD spray gun (Pressure/Suction/Gravity) with 1.0/1.2/1.4 mm tip with 510+ 520 or 522 air cap. OR DeVilbiss GTI Pro Lite Pressure/Suction/Gravity gun with 1.4 to 1.8 mm tip with TE10/TE20 or TE30 Cap. OR DeVilbiss GFG/JGA Pro spray guns (Pressure/Suction/Gravity) with 1.8 mm tip with C1/C2/C3 cap. Patina/Shading with DeVilbiss SRI Pro Lite gun with 1.0/1.2 mm tip with HV5/TE5/RS1 cap.</td>
</tr>
<tr>
<td><strong>UV-Coatings</strong></td>
<td>Ultra Violet curable coatings, cover all types of primers, sealers and top coats, consisting of 100% UV. Water and solvent reduced. UV-coatings are generally applied via automatic systems.</td>
<td>Binks Air Assisted Airless AA4400M spray gun 0.009&quot; to 0.013&quot; tip (23 mm to .33 mm) and MXL 32:1 AAA pump. OR DeVilbiss Advance HD spray gun (Pressure/Suction/Gravity) with 1.0/1.2/1.4 mm tip with 510+ 520 or 522 air cap. OR DeVilbiss GTI Pro Lite Pressure/Suction/Gravity gun with 1.4 to 1.8 mm tip with TE10/TE20 or TE30 Cap. OR DeVilbiss GFG/JGA Pro spray guns (Pressure/Suction/Gravity) with 1.8 mm tip with C1/C2/C3 cap. Patina/Shading with DeVilbiss SRI Pro Lite gun with 1.0/1.2 mm tip with HV5/TE5/RS1 cap.</td>
</tr>
<tr>
<td><strong>Exterior High Gloss/Lasure</strong></td>
<td>Typically giving good wood clarity with medium build. Available in clear and fully pigmented colours.</td>
<td>Binks Air Assisted Airless AA4400M spray gun 0.009&quot; to 0.013&quot; tip (23 mm to .33 mm) and MXL 32:1 AAA pump. OR DeVilbiss Advance HD spray gun (Pressure/Suction/Gravity) with 1.0/1.2/1.4 mm tip with 510+ 520 or 522 air cap. OR DeVilbiss GTI Pro Lite Pressure/Suction/Gravity gun with 1.4 to 1.8 mm tip with TE10/TE20 or TE30 Cap. OR DeVilbiss GFG/JGA Pro spray guns (Pressure/Suction/Gravity) with 1.8 mm tip with C1/C2/C3 cap. Patina/Shading with DeVilbiss SRI Pro Lite gun with 1.0/1.2 mm tip with HV5/TE5/RS1 cap.</td>
</tr>
</tbody>
</table>

Thanks to www.MerrellWoodfinishing.co.uk for their valuable input to this application data.
The “Mid Sized” market leading lightweight spray gun range

**DEVILBISS ADVANCE HD**
The all purpose 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
- Stainless steel tips, needles and fluid passageways as standard
- Wide range of tips and air caps for all wood finishing applications.

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.

**Fluid Tips (mm)**: 0.85, 1.0, 1.2, 1.3, 1.4, 1.6, 1.8, 2.0 and 2.2

**Air Caps**: 505 HVLP, 510+, 513, 520, 522 Trans-Tech/Compliant

**DEVILBISS ADVANCE HD PRESSURE ASSIST GRAVITY CUP SYSTEM**
For the application of heavy, thixotropic materials with Advance HD gravity guns.

- Renowned DeVilbiss atomisation quality
- 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
- Precision high grade ST/ST fluid tips and needles as standard.

**Fluid Tips (mm)**: 1.0, 1.2, 1.3, 1.4, 1.6, 1.8, 2.0

**Air Caps**: HV30 HVLP, TE10, TE20 and TE40 Trans-Tech/Compliant

**VORTEX TIPS**
For Advance HD guns.

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

**DEVILBISS GTI PRO LITE**
TRANS-TECH/HVLP
The ‘mid size’ Compliant 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.

**Fluid Tips (mm)**: 1.0, 1.2, 1.3, 1.4, 1.6, 1.8, 2.0

**Air Caps**: 443, 477, 497 Conventional

**DeVilbiss the professionals first choice**
DeVilbiss and Binks use the very latest spray technology for the best finish with maximum paint savings

DEVLBISS PRI PRO LITE
The all purpose “full size” Compliant primer/sealer spray gun.

- Large spray patterns and even material distribution
- Suitable for all types of fillers, sealers, primers, surfacers etc
- Air adjuster valve on the gun handle allows instant pressure control
- Tough and durable drop forged aluminium gun body
- Paint cup includes integral filter and drip-check lid.

Fluid Tips (mm) 1.4, 1.6, 1.8, 2.0 and 2.5
Air Caps PR10 Trans-Tech/Compliant

DEVLBISS FLG-5 MANUAL SPRAY GUN RANGE
The DeVilbiss FLG-5 the budget line of spray guns.

Ideal for the application of stains and wash coats. FLG-5 employs DeVilbiss Trans-Tech atomisation caps.

Fluid Tips (mm) 1.4, and 1.8
Air Caps No5 and 622 Trans-Tech/Compliant

DEVLBISS SRI PRO LITE
Ideal for patina and shading, a fully functional, small scale touch up spray gun with many practical uses throughout the wood shop.

- HVLP or Trans-Tech compliant air caps
- Sprays Solvent and Water based paints.
- Stainless Steel fluid tips and needles
- Super light trigger pull and precise flow control
- Strong aluminium gun body
- Gun comes with 125cc gravity cup
- Semi-disposable cups are available.

Fluid Tips (mm) 0.6, 0.8, 1.0, 1.2, 1.4
Air Caps HVS HVLP TE5, RS1, MC1 Trans-Tech/Compliant

BINKS 10/40 & 60 LITRE PRESSURE FEED TANKS & 2 LITRE PRESSURE CUPS

The Binks range is equipped with easy to operate air regulators, safety pressure relief valves and manual or rotary agitators to provide the best quality fluid agitation.

- Fully ATEX approved and CE marked to the latest pressure equipment directive 97/23/EC
- Constructed from mild steel/zinc plated or stainless steel
- Binks has a higher operating pressure of 7.5bar (110psi) to handle heavier materials
- Range includes Inner Liners to reduce cleaning time and save coating material.
BINKS AA4400M AIR ASSISTED AIRLESS MANUAL SPRAY GUN

The Binks AA4400M air assisted airless spray gun has been designed with the operator and the environment in mind.

**AA4400M BEST OPERATOR COMFORT BY FAR**

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.

- Unique Trans-Tech or HVLP air caps provide a “Softer fine spray”
- 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
- Weighing just 490 grams - max operating pressure of 303 bar
- Standard flat tips AND Twist tip cleaner available with a wide range of tips from .007” (0.18 mm) to .027” (0.69 mm).

BINKS AIRLESS SPRAY GUNS

**Airless 75**

- Forged aluminium body for a long working life
- Two-finger trigger with Ergonomic handle to reduce operator fatigue
- Thick-walled stainless steel fluid tube for heavy and abrasive materials
- Unique needle design to keep spring out of the fluid path
- Adjustable needle packing for longer life
- Optional Heat guard (available for tube version).
BINKS MX LITE OUTFITS WITH GUN

The ALL NEW Binks Stainless Steel MXL Pump line equipped with the Binks AA4400M Air Assisted Airless spray gun or A75 Airless spray gun.

Binks MX Lite outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of top class wood finishes.

- Five Year pump warranty
- Magnetic detent design (patent) for quick stroke change over with no pulse
- Stainless Steel system – pump and gun
- Low cost spray tip replacement
- Lower cost spares prices
- Large sight glass for visual packing inspection.

MX Lite Packages include:
- Binks MXL Pump – Cart, Wall or Tripod mounted with Gravity feed option.
- 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 • Gun mounted Fluid Filter • AA4400M or A75 (2 trigger) Airless Spray Gun and Tip (Tip size to be specified at time of order).

MX Lite Pump Specification
- MXL4/12 Ratio 12:1
  4 litre per min max fluid delivery Max operating pressure 96 bar
- MXL4/32 Ratio 32:1
  4 litre per min max fluid delivery Max operating pressure 256 bar
- MXL12/12 Ratio 12:1
  12 litre per min max fluid delivery Max operating pressure 96 bar
- MXL12/31 Ratio 31:1
  12 litre per min max fluid delivery Max operating pressure 248 bar

BINKS DX70 – 1:1 RATIO DIAPHRAGM PUMPS & OUTFITS

The DX70 is an air operated 1:1 ratio Diaphragm Pump and is the perfect alternative to pressure feed tanks providing easy fluid feed to one or two spray guns with quick and easy cleaning.

- Built-in Fluid Regulator for precise fluid control.
- The DX70 range features bare pumps, assembled pump packages and complete “ready to spray” outfits matched with the renowned DeVilbiss Advance HD or FLG5 spray guns. Choice of cart, wall, pail or tripod mounted with gravity feed option, and outfits with air regulators provide independent control of pump and spray gun pressures, with no expensive pressure test certification regulations.

DX70 ready assembled spray outfits including spray gun part no’s
- DX70R3-TF-FLG5 Tripod mounted pump outfit with FLG5 gun
- DX70R3-CF-FLG5 Cart mounted pump outfit with FLG5 gun
- DX70R3-TF-ADV Tripod mounted pump outfit with Advance TT gun
- DX70R3-CF-ADV Cart mounted pump outfit with Advance TT gun

BINKS DX200 – 1:1 RATIO DIAPHRAGM PUMPS

The DX200 is a high flow rate air operated 1:1 ratio Double Diaphragm Pump specifically developed for the direct supply of paints and materials to spray guns.

- Built-in Fluid Regulator for precise fluid control
- Rugged Construction & Universal Material Compatibility
- Non-Stall & Quiet Running
- Extended Service Life & Zero Leakage
- Consistent Fluid Delivery
- For multi-spray gun applications
- Pumps Shear-Sensitive Materials
- Fast & Easy Servicing.

The DX200 range features bare pumps and a choice of outfit. DX200 is self priming and perfect for use with All TYPES of spray gun technologies.

- Built-in Fluid Regulator for precise fluid control
- Rugged Construction & Universal Material Compatibility
- Non-Stall & Quiet Running
- Extended Service Life & Zero Leakage
- Consistent Fluid Delivery
- For multi-spray gun applications
- Pumps Shear-Sensitive Materials
- Fast & Easy Servicing.

Now with ‘Super Flex’ hoses
The Universal all encompassing auto spray gun line up from DeVilbiss/Binks

**DEVILBISS AG-361 & AG-362 AUTOmatic Spray Guns**

(Wide range of HVLP/Trans-Tech and Conventional Air Caps provide the best Atomisation. Stainless steel tips/needles and fluid passageways for water and solvent based materials.)

- 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 waterborne and solvent based materials.
- Independent Fan, Atomising and Triggering Air – Vital for Robotic and Machine applications.
- Indexing Air Cap for consistent reproduction of spray pattern.

**BINKS AG-363 AIR ASSISTED AIRLESS HVLP AUTOMATIC SPRAY GUN**

(Also features a fast and easy removal system to remove the gun from the mounting block, providing quick and easy replacement or maintenance with minimum production downtime.)

Fluid Tips (mm) 1.0, 1.2, 1.4, 1.6, 1.8, 2.0 and 2.2

Air Caps

- HV30 HVLP
- TE10, TE20, TE30, TE40, TE50 Trans-Tech/Compliant
- C1, C2, C3 Conventional

**BINKS PNEUMATIC ELEVATOR**

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

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

**BINKS IN-LINE FLUID REGULATORS**

(Binks fluid regulators can be used with diaphragm pumps, pressure feed tanks or any type of paint circulating system to accurately control paint/material flow.)

- Regulator body design reduces paint wastage during maintenance
- Fluid passages in 303 Stainless Steel as standard
- Compatible with solvent and waterborne paints and materials
- Manual and Automatic types.

---

**Specification**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Binks 25L Elevator 104153</th>
<th>Binks 205L Elevator 104112</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max working air pressure</td>
<td>7 Bar (101 psi)</td>
<td>7 Bar (101 psi)</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>1/4” BSP female</td>
<td>1/4” BSP female</td>
</tr>
<tr>
<td>Stroke</td>
<td>500mm / 19.7”</td>
<td>950mm / 37.8”</td>
</tr>
<tr>
<td>Maximum Drum Size</td>
<td>Ø340mm</td>
<td>Ø640mm</td>
</tr>
<tr>
<td>Unit height (fully extended)</td>
<td>1380mm / 54”</td>
<td>2270mm / 89”</td>
</tr>
<tr>
<td>Weight</td>
<td>45.5Kg / 100lbs</td>
<td>64Kg / 140lbs</td>
</tr>
</tbody>
</table>
Wood finish fluid handling products

**BINKS MAPLE 1ST AIR DRIVEN PAINT PUMPS 15/3 (3:1 RATIO), 7/15 (15:1 RATIO) AND 8/25 (25:1 RATIO)**

Air operated horizontal piston pumps for supplying solvent and waterborne paints and other suitable materials.

- Low Ice – lubricant free Air Motor with quick exhaust technology (Patent) removes the risk of air valve icing
- Bellows seals – no exposed shaft seals eliminating the need for maintenance and lubrication of the shaft packing
- Stainless steel fluid sections – ideal for waterborne, solvent based and UV materials
- Tungsten carbide ball seats and Ceramic-Coated pistons ensure maximum operating life
- Equal thrust on each stroke – produces smooth and surge free even paint flow.

---

**BINKS MAPLE AIRLESS & AAA HIGH PRESSURE PAINT PUMPS**

Binks MX Pumps are a completely new design in pump technology using 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 36,42,60 & 70:1 ratio for paint supply to Air Assisted Airless and Airless spray guns for medium to high production. Available as a bare pump and also as fully assembled wall and cart mounted outfits.

MX Cart and Wall outfits include a ST.ST fluid filter, air filter/regulator controls and 25l suction wand as standard

- Carbon or Stainless Steel wetted parts with Ceramic-Coated piston rod for extended working life cycle
- Quiet Operation, No Ice, Air Motor is also lubricant free
- 5 Year pump warranty on materials and workmanship
- Anti-Stall Magnetic detents (patent) with quick exhaust valves for fast stroke change over with virtually no pulse
- Self adjusting spring loaded packings with large lubricant cup for reduced down time
- Quick disconnect fluid section from air motor for easy servicing
- CE marked and fully ATEX approved.

**MX Pump Specification**

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Flow Rate</th>
<th>Max Operating Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>36:1</td>
<td>6.6 l/m @ 30 cycles (intermittent)</td>
<td>288 bar</td>
</tr>
<tr>
<td>42:1</td>
<td>5.7 l/m @ 30 cycles (intermittent)</td>
<td>294 bar</td>
</tr>
<tr>
<td>60:1</td>
<td>6.6 l/m @ 30 cycles (intermittent)</td>
<td>480 bar</td>
</tr>
<tr>
<td>70:1</td>
<td>5.7 l/m @ 30 cycles (intermittent)</td>
<td>490 bar</td>
</tr>
</tbody>
</table>

---

**BINKS GEMS - 2K ELECTRONIC MIXING SOLUTIONS**

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

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

---

**BINKS MAGIC FLOW 2**

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

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

---

**RANSBURG AQUAPACK SYSTEMS**

Provides the total solution for waterborne materials in low and high pressure options.

- 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
Electrostatic applicators

RANSBURG MANUAL & AUTOMATIC ELECTROSTATIC SPRAY GUNS

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 then “attracts” the atomised paint/material onto the component with excellent “wrap” characteristics around the back of the workpiece. Providing very good deposition rates with high transfer efficiency, resulting in greatly reduced paint usage compared to conventional methods in full compliance with worldwide VOC regulations.

The Electrostatic technique can be applied to Air Spray, HVLP/Compliant and Air Assisted Airless atomisation spray systems including solvent and waterborne materials.

Wood finishing accessories

**BINKS DISPOSABLE SPRAYBOOTH FILTER PAPER**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>207229</td>
<td>H 90 x L 824 cm (36” x 30’)</td>
</tr>
<tr>
<td>207900</td>
<td>H 75 x L 1,346 cm (30” x 44’)</td>
</tr>
<tr>
<td>207901</td>
<td>H 90 x L 1,115 cm (36” x 36’)</td>
</tr>
<tr>
<td>207902</td>
<td>H 100 x L 1,038 cm (39” x 34’)</td>
</tr>
</tbody>
</table>

Super efficiency spray booth filter paper

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>207229SE</td>
<td>H 90 x L 640 cm (36” x 21’)</td>
</tr>
<tr>
<td>207902SE</td>
<td>H 100 x L 823 cm (39” x 27’)</td>
</tr>
</tbody>
</table>

**DEVILBISS & BINKS AIR AND FLUID HOSES (LOW PRESSURE)**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>Bore</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-7501</td>
<td>¼” bore air hose red rubber</td>
<td>¼” (8mm)</td>
</tr>
<tr>
<td>H-7502</td>
<td>½” bore air hose red rubber</td>
<td>½” (9.5mm)</td>
</tr>
<tr>
<td>H-7503</td>
<td>⅜” bore fluid hose black</td>
<td>⅜” (9.5mm)</td>
</tr>
<tr>
<td>H-7504</td>
<td>⅜” bore fluid hose black</td>
<td>⅜” (9.5mm)</td>
</tr>
</tbody>
</table>

**DEVILBISS AIR FILTER REGULATORS**

Filter Regulator - FLFR-1
- Air filtration down to 20 microns
- Air flow of 70cfm (at 7 bar – 100 psi inlet pressure)

Filter Regulator Coalescer - FLRC-1
- Compact, low cost single operator Filter Regulator and Coalescer
- Filtration down to 0.01 microns suitable for Air Mask or Visor

**FLCF-1 Coalescing Filter**
- A ¾” (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).

Wood finishing accessories

**BINKS DISPOSABLE SPRAYBOOTH FILTER PAPER**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>207229</td>
<td>H 90 x L 824 cm (36” x 30’)</td>
</tr>
<tr>
<td>207900</td>
<td>H 75 x L 1,346 cm (30” x 44’)</td>
</tr>
<tr>
<td>207901</td>
<td>H 90 x L 1,115 cm (36” x 36’)</td>
</tr>
<tr>
<td>207902</td>
<td>H 100 x L 1,038 cm (39” x 34’)</td>
</tr>
</tbody>
</table>

Super efficiency spray booth filter paper

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>207229SE</td>
<td>H 90 x L 640 cm (36” x 21’)</td>
</tr>
<tr>
<td>207902SE</td>
<td>H 100 x L 823 cm (39” x 27’)</td>
</tr>
</tbody>
</table>

**DEVILBISS & BINKS AIR AND FLUID HOSES (LOW PRESSURE)**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>Bore</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-7501</td>
<td>¼” bore air hose red rubber</td>
<td>¼” (8mm)</td>
</tr>
<tr>
<td>H-7502</td>
<td>½” bore air hose red rubber</td>
<td>½” (9.5mm)</td>
</tr>
<tr>
<td>H-7503</td>
<td>⅜” bore fluid hose black</td>
<td>⅜” (9.5mm)</td>
</tr>
<tr>
<td>H-7504</td>
<td>⅜” bore fluid hose black</td>
<td>⅜” (9.5mm)</td>
</tr>
</tbody>
</table>

**Connector thread size and type**

<table>
<thead>
<tr>
<th>¼” BSP</th>
<th>¼” NPS</th>
<th>⅜” BSP</th>
<th>⅜” NPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA-HC-4527</td>
<td>P-HC-4527</td>
<td>PA-HC-4528</td>
<td>P-HC-4528</td>
</tr>
<tr>
<td>PA-HC-4529</td>
<td>P-HC-4529</td>
<td>PA-HC-4530</td>
<td>P-HC-4530</td>
</tr>
<tr>
<td>PA-HC-4529</td>
<td>P-HC-4529</td>
<td>PA-HC-4530</td>
<td>P-HC-4530</td>
</tr>
<tr>
<td>PA-HC-4529</td>
<td>P-HC-4529</td>
<td>PA-HC-4530</td>
<td>P-HC-4530</td>
</tr>
</tbody>
</table>

**Super lightweight and greater flexibility for better operator comfort.**

**BINKS HIGH PRESSURE TWIN HOSE ASSEMBLIES**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Max Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-7507-75SF</td>
<td>Twin SuperFlex Hose Assembly 7.5m with ⅛” bore and fluid lines with ⅛” NPS Connectors</td>
<td>270 bar</td>
</tr>
<tr>
<td>H-7507-150SF</td>
<td>Twin SuperFlex Hose Assembly 15m with ⅛” bore and fluid lines with ⅛” NPS Connectors</td>
<td>270 bar</td>
</tr>
<tr>
<td>H-7507-75</td>
<td>Twin Hose Assembly 7.5m with ⅛” bore and fluid lines with ⅛” NPS Connectors</td>
<td>256 bar</td>
</tr>
<tr>
<td>H-7507-150</td>
<td>Twin Hose Assembly 15m with ⅛” bore and fluid lines with ⅛” NPS Connectors</td>
<td>256 bar</td>
</tr>
</tbody>
</table>
**DEVILBISS PRO VISOR AIR FED RESPIRATOR**

The DeVilbiss purpose made air fed respirator for all spray operators.

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

**Typical Applications**
- DeVilbiss Pro Visor is recommended for all spray operators.

---

**In-Line Air Adjusting Valve**
Part No. HAV-501-B

**DGi Pro Digital Air Pressure Adjuster**
Part No. DGiPro-502-BAR

**Quick Detach Fittings**
Part No.

**Cap Filters**
Part No. KSP-5-K5

**Gravity Cups**
Part No’s.

**Suction Cup Lid Gaskets**
Part No. KR-11-K3

**Mixing Cups**
Part No. MC-1-K50

**Suction Cup Filters**
Part No. KR-484-K10

**Drip-Free Diaphragms**
Part No. KR-115-K5

** DeVilbiss “UNI” Swivel Fitting (Low Pressure)**
Part No. MPV-60-K3

**Gun Cleaning Brushes**
Part No. 4900-5-1-K3

**Suction Cup**
Part No. KR-566-1-B

**Air Blow Gun**
Part No. DGD-505-E

**Devilbiss Gun Mounted Paint Filters**
Part No. VSA-512

**Viscosity Cups**
Part No. 7000-114-K2

**Professional Spray Gun Cleaning Kit**
Part No. KH-4034

**Gun Cleaning Brushes**
Part No. 4900-5-1-K3

**Binks Disposable Pressure Tank Liners**
Part No. FT-78-K10

**Spot Pots**
Part No. KR-110-K3

---

**Wood Master Training**

Finishing Brands conducts regular training courses throughout the year in our fully equipped industrial training centres in the UK, France and Germany.

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 from Finishing Brands, 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.
Wood Finishing Solutions with Global Manufacturing and R&D

Finishing Brands incorporating the world leading spray finishing Brands of Binks, DeVilbiss and Ransburg manufacture and supply all types of specialised Wood Finishing Equipment and Accessories. With facilities located in Europe, USA, China, Australia, Brazil, Japan, Mexico and India with long established Industrial Distributors serving all Countries around the World.

Selecting the right wood finishing system for the job...

Achieving the perfect finish for the “wood job” starts by matching the spray materials with the correct spray application method and equipment. This wood selection guide intends to provide the end user with the information to make an informed decision by taking into consideration influencing factors such as Finish quality, Spray atomisation technology, Transfer efficiency, Material, Equipment operation, Operator training, Environmental considerations and legislation. The products include an “application indicator” paint container which is colour coded to indicate which Binks, DeVilbiss or Ransburg product should be used with the appropriate spray material. This wood guide also explains in detail the type of atomisation technology to apply the paint material with the best and most efficient process.

For more information visit www.CarlisleFT.eu.