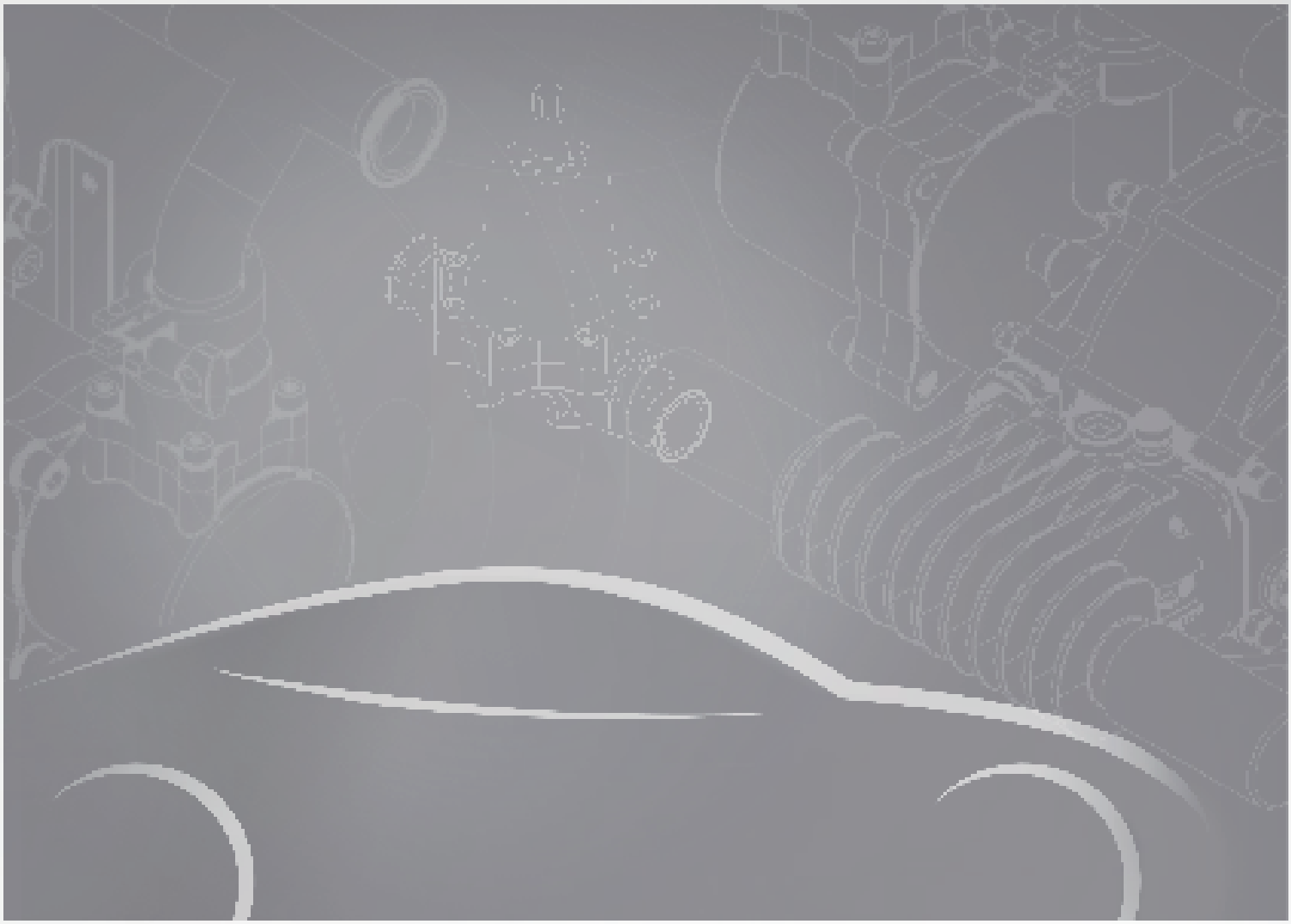


# PAINT CIRCULATING EQUIPMENT
## SELECTION GUIDE

BINKS® DEVILBISS® Ransburg®

# AUTOMOTIVE FINISHING

Our Automotive organisation is driven to provide focused product and application solutions within this premier market sector. Our highly experienced technical sales and engineering teams are dedicated to support our customers' process requirements in the areas of paint, mastic and sealant applications including the fluid delivery system products.

Our Mission is to work in partnership with our customers' process requirements and collaborate together to ensure we achieve cost effective valued solutions.

This vision is motivated by 2 Key business philosophies in compliance with the Automotive market demands for quality and integrity:

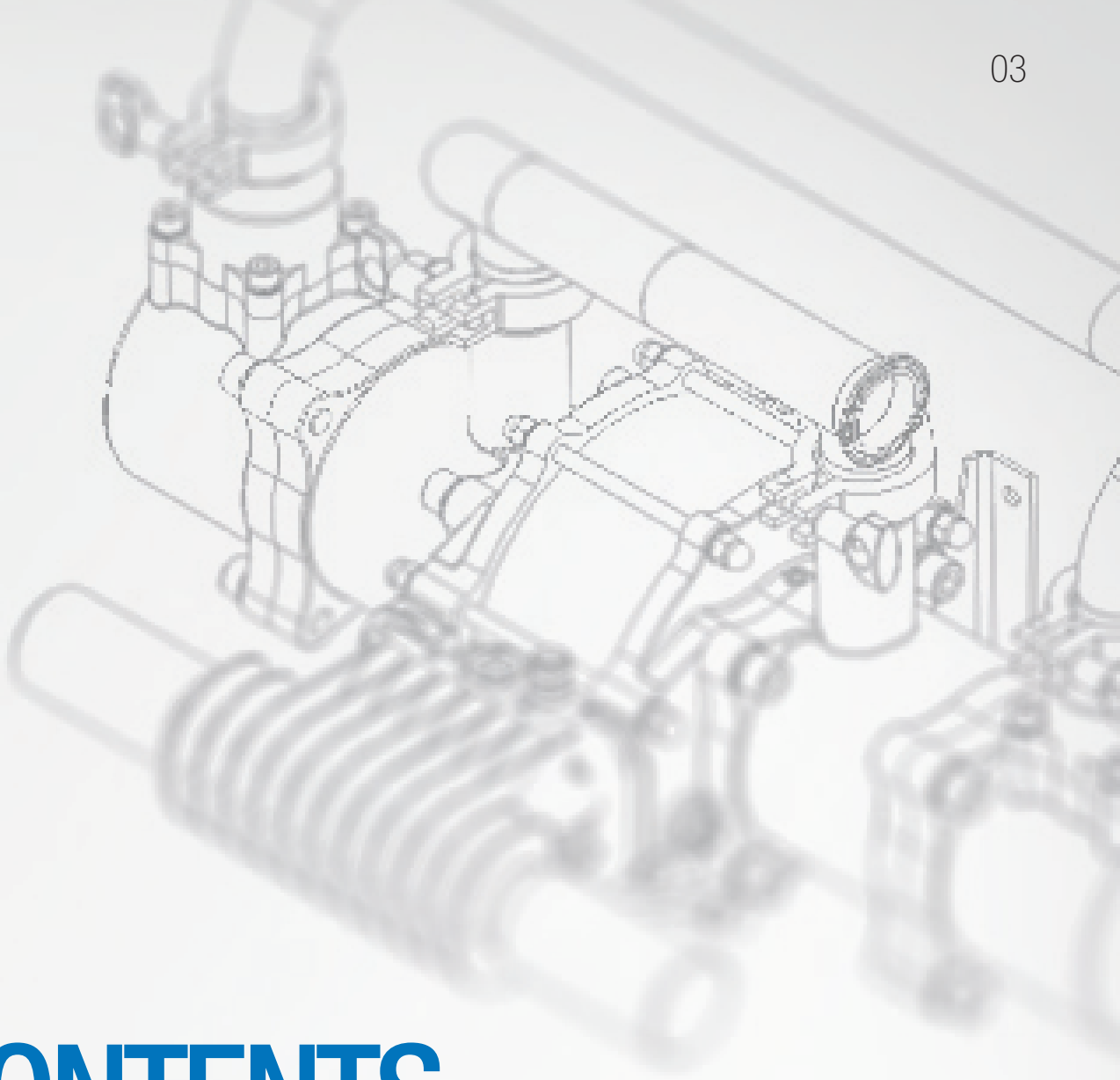
- Continual Innovation to achieve reliable and efficient products and processes
- Market feedback via direct end user technical support and hands-on approach

## FROM A TO Z WE PROVIDE INTELLIGENT & INNOVATIVE SOLUTIONS


Additionally to present products, many other Bespoke applications are available upon request:-

- Electronic reciprocators
- Precision gear pumps and drives
- Alternative high voltage arrangements
- Two component metering and mixing systems

Please refer to our alternative Selection Guides regarding Automatic and Manual Application



# CONTENTS

## SMARTRANGE


E2 - **15**

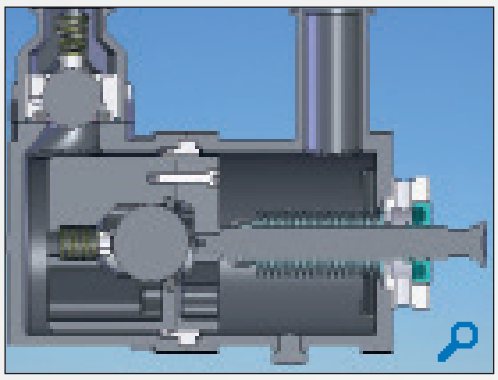

E2 - **30**


E2 - **60**

E4 - **60**


E2 -**15**

# SMART PUMPS



## DESCRIPTION

### THINK SMART, AS FOR YOUR PERFORMANCE AS FOR THE ENVIRONMENT

The unit combines conventional electrical hardware to achieve optimum operating performance at a lower cost. Running costs are much lower than compressed air driven model.

Used with an optional smart card, high savings in running cost can be realized, by delivering the paint to the user point at the correct pressure and volume only when needed.

The SMART pump range uses a standard electric motor to drive the fluid section for pumping paints, solvent and other suitable materials, reducing paint shear due to the positive dissplacement piston design and thanks to a cam and cam followers combined with a sliding carriage unit without required surge chamber.

# MAIN FEATURES

**High Quality materials and surface treatments** are used in the construction to ensure extended operational life

**Fluid Seal –** Piston seal lubricated by paint on both sides, increasing seal life / No external paint leaks when seal requires replacement

**Sanitary inlet and outlet connections** guarantee a smooth internal pipe connection without paint entrapment pockets

**Bellows Seal** - no exposed shaft seal reducing the need for maintenance and lubrication of shaft packing (perfect for light & moisture sensitive materials)

**Flow Rate Control** - adjusted operation speed by standard AC frequency inverter to achieve a speed range from 10 to 40 cycle/ min - infinite manual or automatic control

**Reciprocating drive -** achieved by a sliding carriage mechanism & rotating constant velocity cam with special profile reducing fluid pressure fluctuations to a minimum ( no surge chamber required)

**Operation mode -** Simple flow mode like a conventional air motor driven pump or by pressure control to achieve maximum «Smart» energy savings

**Horizontal Short Stroke Design** - Equal thrust on both pistons / equal flow and pressure for both strokes / higher cycle rate than conventional vertical Pumps and thus more flexibility for paint flow range

**Fluid sections** - Tungsten carbide ball seats & ceramic coated pistons to maximize operating life between servicing / capability for pumping abrasive & aggressive materials

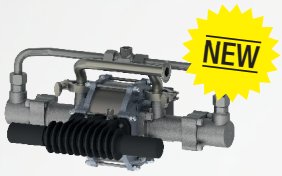
# SPECIFICATIONS

| | E2-15 | E2-30 | E2-40 | E4-60 | E2-60 |
|---|---|---|---|---|---|
| **Nominal stoke** | | | 50 mm/1.97" | | 60 mm / 2.36" |
| **Part numbers are currently being reviewed** | 104017 (EU) 104018 (USA) 104019 (Japan) | 107071 (EU) 107074 (USA) 107075 (Japan) | 107093 (EU) 107094 (USA) 107095 (Japan) | 107070 (EU) 107073 (USA) 107072 (Japan | On request |
| **Max fluid pressure** | 20 Bar | 20 Bar | 16 Bar | 20 Bar | 20 Bar |
| **Fluid output from 20HZ to 80 HZ (10640cycle/min)** | 3.75 L to 15 L | 7.5 L to 30 L | 10 L to 40 L | 15 L to 60 L | 15 L to 60 L |
| **Flow Volume / Cycle** | 0.375 L | 0.75 L | 1.00 L | 1.50 L | 1.50 L |
| **Fluid connections** | Inlet and outlet 1" Sanitary | Inlet and outlet 1 ½" Sanitary | Inlet and outlet 1 ½" Sanitary | Inlet and outlet 2" Sanitary | Inlet and outlet 1 ½" Sanitary |
| **Pump total weight** | 78 KG | 250 KG | 250 KG | 335 KG | 295 KG |
| **Electric motor** | **EU/Japan:** 400v 3PH 0.75Kw at 50HZ **USA:** 400v 3PH 1.0kW at 60HZ | **EU/Japan:** 400v 3PH 1.5Kw at 50HZ **USA:** 460v 3PH 2.0HP at 60HZ | **EU/Japan:** 400v3PH 1.5Kw at 50HZ **USA**: 400v 3PH 2.0HP at 60HZ | **EU/Japan:** 400v3PH 3Kw at 50HZ **USA:** 460v 3PH 5.0HP at 60HZ | **EU/Japan:** 400v3PH 3Kw at 50HZ **USA:** 460v 3PH 5.0HP at 60HZ |

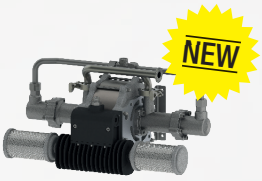
# ACCESSORIES

| E2-15 | E2-30 | E2-40 | E2-60 | E4-60 |
|---|---|---|---|---|
| **192800-** Smart Card | **192800**- Smart Card | **192800**- Smart Card | **192800**- Smart Card | **192800-** Smart Card |
| **PRV22-U-10 -** Pressure relief valve- 1 " Sanitary | **PRV22-U-15** – 1 1/2" Sanitary Pressure Relief Valve | **PRV22-U-15** – 1 1/2" Sanitary Pressure Relief Valve | **5PRV22-U-15** – 1 1/2" Sanitary Pressure Relief Valver | **PRV22-U-20** – 2" Sanitary Pressure Relief Valve |
| **192547-** Pressure Transducer (0-25 bar) | **192547**- Pressure Sensor (0-25 bar) | **192547**- Pressure Sensor (0-25 bar) | **192547**- Pressure Sensor (0-25 bar) | **192547**- Pressure Sensor (0-25 bar) |
| **502144-** Pressure switch range 2 - 40 bar | **502144**- Pressure switch range 2 -40 bar | **502144**- Pressure switch range 2 -40 bar | **502144**- Pressure switch range 2 -40 bar | **502144**- Pressure switch range 2 -40 bar |
| **192720-** Sensor Manifold | **192720-** Sensor Manifold | **192720-** Sensor Manifold | **192720-** Sensor Manifold | **192569**- Sensor Manifold |
| **502501** - BPR Control Box | **502501** - BPR Control Box | **502501** - BPR Control Box | **502501** - BPR Control Box | **502501** - BPR Control Box |
| **192206-** 1" Sanitary Gasket | **192208 -** 1 1/2" Sanitary Gasket | **192008** – 1 1/2" Sanitary Gasket | **192008** – 1 1/2" Sanitary Gasket | **192544** - 2" Sanitary Clamp |
| **192009** - 1" Sanitary Clamp | **192009** - 1'1/2' Sanitary Clamp | **192009** - 1 1/2" Sanitary Clamp | **192009** - 1 1/2" Sanitary Clamp | **192029** - 2" Sanitary Gasket |

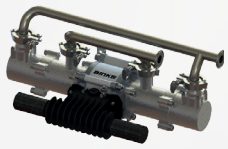
## MAPLERANGE



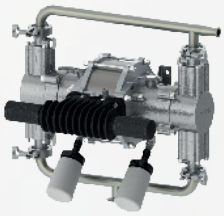

MAPLE 7-**15**




MAPLE 8-**25**

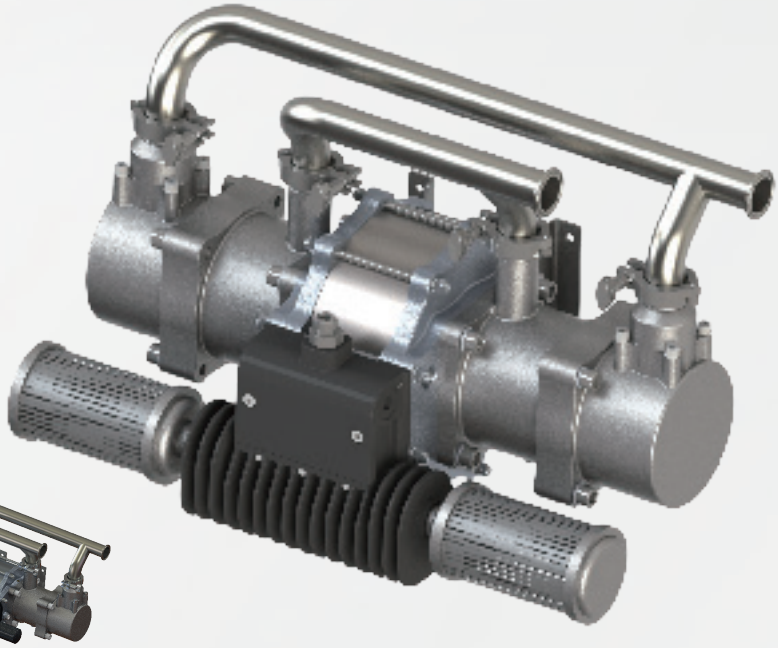


MAPLE 15-**3**



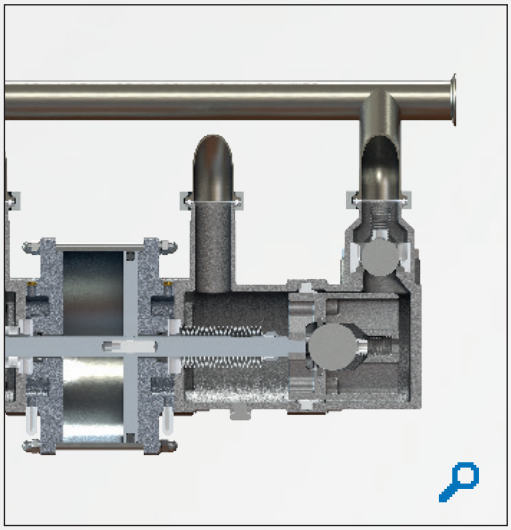
MAPLE 20-**4.5**

MAPLE 30-**3**



MAPLE 60-**3**

# MAPLE PUMPS



## DESCRIPTION

FOR AN EFFICIENT AND ENVIRONMENTALLY FRIENDLY PAINT CIRCUIT

The Maple Pump is a horizontal piston pump for pumping Solvent / Waterborne Paints, Solvents and other suitable materials. The unit combines an energy efficient air motor with low shear fluid section technology from the range of Smart Electric Pumps to ensure balanced fluid pressure output and a minimum of fluid pressure fluctuations.

The Maple Pump achieves a reciprocating drive by using high tolerance steel spool and sleeve air valve to control the air motor reversal, providing reciprocating motion. The patented air valve design ensures a positive magnetic detent for the main air valve thus removing the possibility for a stall condition. The air motor also utilizes the patented Binks Low Ice quick exhaust technology to prevent air valve freezing conditions when high cycle speeds are employed.

# MAIN FEATURES

**High Quality materials and surface treatments** - ensure extended operational life, including Stainless steel fluid sections, ideal for waterborne, solvent based and other paints

**Fluid Seal –** Piston seal lubricated by paint on both sides, increasing seal life / No external paint leaks when seal requires replacement

**Stroke Counter Port** - Option to monitor Pump life cycle data

**Horizontal Short Stroke Design** - Equal thrust on both pistons / equal flow and pressure for both strokes / higher cycle rate than conventional vertical Pumps and thus more flexibility for paint flow range

**Fluid Sections** - Tungsten carbide ball seats & ceramic coated pistons, ensure maximum operating life / capability for pumping aggressive and abrasive materials.

**Low Ice Air Motor** - No Lubricator required / Control Valve uses quick exhaust technology (Patented design / no risk of valve icing and stalling

**Bellows seal** - No exposed shaft seal packing eliminating maintenance and lubrication of the shaft packing / Vital to the user when pumping Light (UV) and Moisture sensitive (Catalyst) materials

**Control Valve** - Robust Metal spool and sleeve valves for long service life, incorporating magnetic detent to eliminate stall condition (Patented design)

**Fluid Connections** - Inlet & outlet connections / smooth internal pipe connection without paint entrapment pockets

# SPECIFICATIONS

| DESCRIPTION | MAPLE 15/3 | MAPLE 20/4.5 AFP | MAPLE 30/3 | MAPLE 60/3 | MAPLE 7/15 | MAPLE 8/25 |
|---|---|---|---|---|---|---|
| Part numbers are currently being reviewed | 104009 | 104016 | 104010 | 104020 | 104041 | 104042 |
| Continuous cycle rate Intermittent cycle rate | 20 cycles/min 40 cycles/ min | 20 cycles/min 40 cycles/ min | 20 cycles/min 40 cycles/ min | 20 cycles/min 40 cycles/ min | 20 cycles/min 40 cycles/min | 20 cycles/min 40 cycles/ min |
| Fluid volume/cycle | 0.375 L | 0.475 L | 0.75 L | 1.5 L | 0.175 L | 0.2 L |
| Equivalent Flow at 60 cycles/min | 22.5 L | 28.4 L | 45 L | 90 L | 10.5 L | 12 L |
| Air volume per cycle | 0.33 SCFM (9.3 L/m) – 6.2Bar | 0.65 SCFM (18.5 L/m) – 6.2 Bar | 0.65 SCFM (18.5 L/m) – 6.2 bar | 1.4 SCFM (39.7L/m) – 6.2 Bar | 0.65 SCFM (18.5 L/m) – 6.2 bar | 1.4 SCFM (39.7L/m) - 6.2 Bar |
| Ratio | 3:1 | 4.5:1 | 3:1 | 3:1 | 15:1 | 25:1 |
| Air inlet pressure | 15 – 90 PSI / 1 – 6.2 Bar | | | | | |
| Max. fluid pressure | 18 Bar | 27 Bar | 18 Bar | 18 Bar | 90 Bar | 150 Bar |
| Air inlet size | 3/8 " BSP / NPS | 3/8" BSP / NPS | 3/8" BSP / NPS | ½"BSP / NPS | 3/8" BSP / NPS | ½"BSP / NPS |
| Inlet/outlet fitting | 1" Sanitary | 1"Sanitary – ¾ Sanitary | 1 ½ Sanitary | 1 ½ Sanitary | 1" Sanitary / 1/2" NPTF | 1" Sanitary / 1/2" NPTF |
| Air fitting | 3/8" NPS/BSP | 3/8" NPS/BSP | 3/8" NPS/BSP | 1/2"" NPS/BSP | 3/8" NPS/BSP | 1/2"" NPS/BSP |
| Weight | 21 Kg | 30 Kg | 35 Kg | 65.5 Kg | 30 Kg | 40Kg |

# ACCESSORIES

| MAPLE 15/3 | MAPLE 20/4.5 AFP | MAPLE 30/3 | MAPLE 60/3 | MAPLE 7/15 | MAPLE 8/25 |
|---|---|---|---|---|---|
| **192821-** Heavy Duty Mufflers | **192821-** Heavy Duty Mufflers | **192821-** Heavy Duty Mufflers | **192821-** Heavy Duty Mufflers | **192821-** Heavy Duty Mufflers | **192821-** Heavy Duty Mufflers |
| **192779-** Exhaust Adapter 1" NB hose | **192779-** Exhaust Adapter 1" NB hose | **1192779-** Exhaust Adapter 1" NB hose | **192779-** Exhaust Adapter 1" NB hose | **192779-** Exhaust Adapter 1" NB hose | **192779-** Exhaust Adapter 1" NB hose |
| **192803** - Exhaust Plug | **192803** - Exhaust Plug | **192803** - Exhaust Plug | **192803** - Exhaust Plug | **192803** - Exhaust Plug | **192803** - Exhaust Plug |
| **192532** - 1" sanitary – 1'1/2' BSPT (F) adaptor | **192820** - Exhaust Tube Adapter (1¼" NB) | **192820** - Exhaust Tube Adapter (1¼" NB) | **192820** - Exhaust Tube Adapter (1¼" NB) | **192820** - Exhaust Tube Adapter (1¼" NB) | **192820** - Exhaust Tube Adapter (1¼" NB) |
| **192009 –** 1" Sanitary clamp | **192009 –** 1" Sanitary Clamp | **192009 –** 1 ½" Sanitary Clamp | **192009 –** 1 ½" Sanitary Clamp | **192009 –** 1"Sanitary Clamp | **192009 –** 1" Sanitary Clamp |
| **192206 -** 1" Sanitary Gasket | **192206 -** 1" Sanitary Gasket | **192206 -** 1 ½" 'Sanitary Gasket | **192206 -** 1 ½" Sanitary Gasket | **192206 -** 1"Sanitary Gasket | **192206 -** 1" Sanitary Gasket |

# MX PUMPS

NEW

MX **22060**

MX **44030**

MX **88015**

MX **22060**

ON CART

MX **44046**

MX **88023**

## MAIN FEATURES

- **Stainless and carbon steel fluid sections** ideal for waterborne, **solvent based materials**
- Magnetic detent (patent) for quick stroke change over with minimum pulse
- **Reduced parts** – easy and fast maintenance
- **Anti-stall and no ice air logic design**
- **Divorced pump design** – zero potential for paint to enter air motor
- **Fixed, spring tension packing's** – lower maintenance and reduced running costs (optional)
- **Long durable working life** – valve seats in Tungsten carbide and piston in ceramic
- CE marked and fully ATEX compliant – for all application
- Stainless steel fluid filter inc. N.R. valve – prevents materials blockages at the gun tip (optional)
- Wall, tripod or/and cart mounted design (optional)

## DESCRIPTION

In order to deal with the increasingly difficult demands of high viscosity application in the Automotive & Industrial markets, BINKS offers a complete range of high pressure pumps.

Ball check pumps for medium to high viscosity materials or shovel plate pumps for very high viscosities can be supplied. Pumps can be wall, cart, drum or floor mounted, or mounted on a variety of ram and inductor units. Pump ratios and outputs are available for a variety of volume and pressure requirements.

BINKS CERAMIC COATED FLUID SECTIONS FOR A LONGER WORKING LIFE

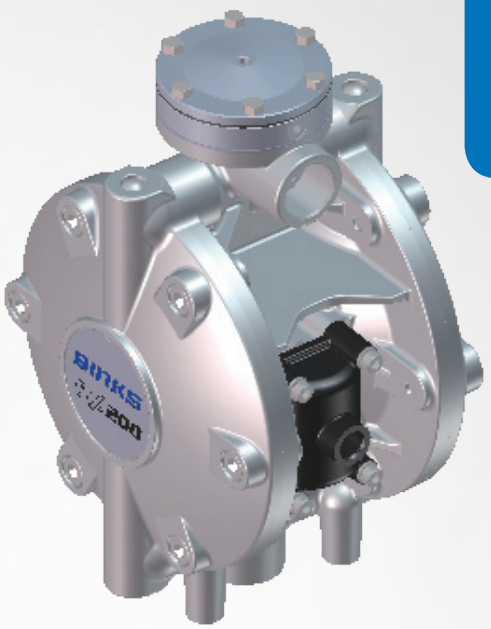
## SPECIFICATIONS

| | FLUID SECTION | FLOW PER CYCLE (L) | 60 CYCLES / MIN EQUIVALENT | MAX FLOW AT 15 CYCLES (L/MIN) | RATIO | FLUID PRESSURE AT 6 BAR AIR | LAUNCH |
|---|---|---|---|---|---|---|---|
| MX 4/12 | SS | 0.024 | 0.5 GPM | 0.36 | 12:1 | 72 | Existing |
| MX 4/32 | SS | 0.024 | 0.5 GPM | 0.36 | 32:1 | 192 | Existing |
| MX 12/12 | SS | 0.072 | 1.15 GMP | 1.08 | 12:1 | 72 | Existing |
| MX 12/32 | SS | 0.072 | 1.15 GPM | 1.08 | 32:1 | 186 | Existing |
| MX 190/70 | SS/CS | 0.190 | 3 GPM | 2.85 | 70:1 | 420 | Existing |
| MX 220/35 | SS/CS | 0.220 | 3.5 GPM | 3.30 | 35:1 | 210 | Existing |
| MX 220/60 | SS/CS | 0.220 | 3.5 GPM | 3.30 | 60:1 | 360 | Existing |
| MX 440/30 | SS | 0.440 | 7 GPM | 6.60 | 30:1 | 180 | 2013 |
| MX 440/46 | SS | 0.440 | 7 GPM | 6.60 | 46:1 | 276 | 2013 |
| MX 880/15 | SS | 0.880 | 14 GPM | 13.20 | 15:1 | 90 | 2013 |
| MX 880/23 | SS | 0.880 | 14 GPM | 13.20 | 23:1 | 138 | 2013 |

*Part numbers are currently being reviewed

# DX PUMPS

NEW



## MAIN FEATURES

- Low surge
- Low & simple maintenance
- Integrated Fluid Regulator
- Intelligent change over mechanism (patent pending)
- Proven materials
- Operates in any position of installation
- Patented design diaphragm provides longer life compared to standard disphragm

## DESCRIPTION

The DX Pump Series is a Family of positive displacement pumps that use a combination of the reciprocating action of a rubber and PTFE composite diaphragm and suitable check valves to pump literally any known fluid.

A special change over mechanism of the air supply (patent pending) assures a non-stalling feature as well as the possibility to run the pump at very low air pressures.

The built in fluid regulator finishes the perfect appearance and function of the DX pump.

## SPECIFICATIONS

| | FLUID SECTION | FLOW PER CYCLE (L) | MAX FLOW AT 15 CYCLES (L/MIN) | RATIO | FLUID PRESSURE AT 6 BAR AIR | LAUNCH |
|---|---|---|---|---|---|---|
| DX 70 | Plastic | 0.070 | 1.05 | 1:1 | 6 | 2013 |
| DX 200 | Al/SS | 0.200 | 3.0 | 1:1 | 6 | 2013 |
| DX 200-3 | SS | 0.200 | 3.0 | 3:1 | 15 | 2013 |
| 41-818823 | Al/SS | 0.600 | 9.0 | 1:1 | 6 | 2013 |

*Part numbers are currently being reviewed

| | PRIMARY FUNCTION |
|---|---|
| DX 70 | Direct spray application |
| DX 200 | Direct spray application & Paint circulation |
| DX 200-3 | Paint circulation |
| 41-818823 | Paint transfer |

# CONTENTS
## ACCESSORIES



CAPTION

*HP ACCESSORIES / **HIGH PRESSURE** | *LP ACCESSORIES / **LOW PRESSURE**

# RAM UNITS

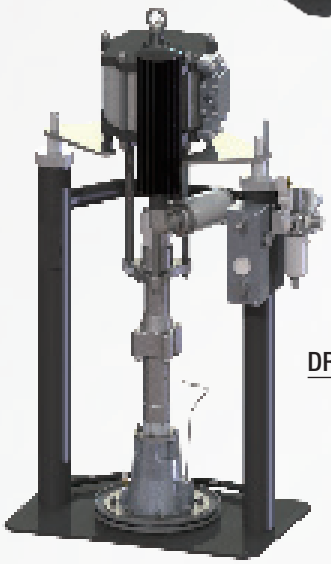
BINKS

## MAIN FEATURES

- Available in single & dual post versions
- Ram raise & lower control included
- Barrel location
- Automatic pump shut off
- Drum release
- Ram plate priming feature

SR20/30

DR205



DR20/30/60

## SPECIFICATIONS

| 6 RAM OPTIONS | |
|---|---|
| Single post | SR20 / SR30 |
| Dual post | DR20 / DR30 / DR60 / DR205 |

| RAM | PAIL SIZE (MM) |
|---|---|
| SR20<br>DR20 | Ø 275 - 280 |
| SR30<br>DR30 | Ø 285 - 310 |
| DR60 | Ø 360 |
| DR205 | Ø 570 - 585 |

# HIGH PRESSURE REGULATOR / BACK PRESSURE REGULATOR

BINKS

## MAIN FEATURES

- Pilot control by regulated air supply
- Low maintenance due to small number of moving parts
- Compatible with Solvent based and Water based sealers and wax's
- Mounting bracket included

## SPECIFICATIONS

| DESCRIPTION | UNIT |
|---|---|
| Part number | 107906 (regulator) 107908 (Back Pressure Regulator) |
| Model | Fluid Regulator |
| Regulating Range | 35 – 240 bar |
| Air Pilot Range | 0.7 – 5.5 bar |
| Connections | Inlet Port – ¾" NPT Outlet Port – ¾" NPT Gauge Port – ¼ NPT |
| Weight | 6.8 kg |
| Typical Materials | High Viscosity PVC, Underseals, Sound Deadeners, extruded and sprayable materials, etc |

## ACCESSORIES

| DESCRIPTION | UNIT |
|---|---|
| 107493 | ¼" BSP Pilot Air Regulator |
| 167184 | Air pressure gauge 0-25 Bar |
| 167143 | Fluid pressure gauge 0-340 Bar |
| 191969 | Gauge Adapter |
| 101503 | Extrusion Gun |

# BPR 1 ½"AIR PILOTED & MANUAL LOW PAINT SHEAR

BINKS

## MAIN FEATURES

- Low shear Back Pressure Regulator
- Reduced paint velocity through valve seat
- 0-15 Bar regulated pressure control
- Two Gauge ports to give best mounting orientation
- Stainless steel fluid body
- Accessories – Gauge (20 Bar - PN: 167184)
- Connections – according to requirements

## SPECIFICATIONS

| PART NUMBER | 107755 | 107754 |
|---|---|---|
| Max. Control Pressure | 15 Bar (218 PSI) | |
| Ideal working range | 1-15 Bar<br>10-90 L/min | 3-15 Bar<br>10-90 L/min |
| Regulator Body | 303 St St | |
| Pressure Adjustment | Air Pilot | Manual |
| Diaphragm Assembly | PTFE composite material | |
| Max. Pressure | 25 Bar | |
| Spares Kit | 250603 | 250602 |

**NEW!** Different inlet & outlet fittings are available for a perfect matching with your requirements

## FITTINGS (STANDARD*)

| SUFFIX | PART NUMBER | DESCRIPTION |
|---|---|---|
| B | 192554 | Fitting - M 45 x 2" SANITARY |
| C | 192555 | Fitting - M 45 x 1 1/2" SANITARY |
| L | 192564 | Fitting - M 45 x 1" SANITARY |

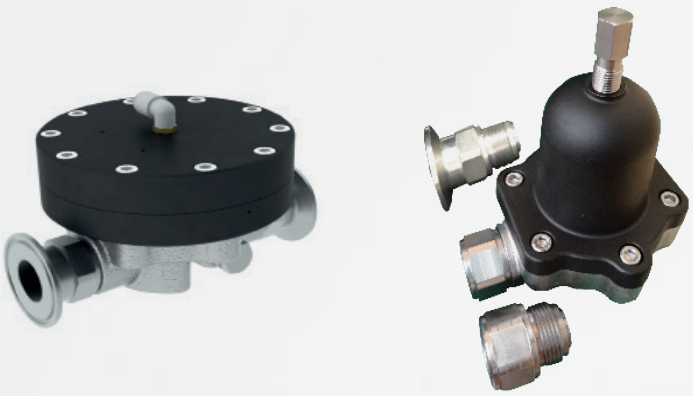
*The complete fittings list is available on the service bulletin on request

# BPR ¾ "AIR PILOTED & MANUAL LOW PAINT SHEAR

BINKS

## MAIN FEATURES

- Low shear Back Pressure Regulator
- Reduced paint velocity through valve seat
- Stainless steel fluid body
- 0-15 Bar regulated pressure control
- Connections – according to requirements
- Ideal for small PCS and Tier 1 paint systems



## SPECIFICATIONS

| PART NUMBER | 107758 | 107757 |
|---|---|---|
| Max. Pressure | 25 BAR | |
| Regulator Body | 303 St St | |
| Pressure Adjustment | Air Pilot | Manual |
| Diaphragm Assembly | PTFE composite material | |
| Ideal working range | 3 - 15 BAR<br>2 - 30 L/min | |

**NEW!** Different inlet & outlet fittings are available for a perfect matching with your requirements

## FITTINGS (STANDARD*)

| SUFFIX | PART NUMBER | DESCRIPTION |
|---|---|---|
| S | 192723 | Fitting - M 28 x 1" Sanitary |
| T | 192724 | Fitting - M 28 x 3/4" NPT (Female) |
| U | 192725 | Fitting - M 28 x 3/4" BSPT (Female) |

*The complete fittings list is available on the service bulletin on request

# CARTRIDGE FILTER

BINKS

## MAIN FEATURES

- **Quick cartridge replacement** using Binks "Fixed in place" clamp design
- 'Dirt' removed with filter
- **Integral pressure gauge ports** to indicate differential fluid pressure
- **Provides Absolute rated filtration** at 99.98% performance
- Accommodates Disposable or Cleanable cartridge
- **316 St St Construction**, Electro-polished for ease of cleaning
- Receives Industry Standard DOE or Code 3 Filter Element
- Flow Capacity for large and smaller volume paint circulating systems

## SPECIFICATIONS

| TYPE |
|---|
| 5" Housing |
| 10» Housing |
| 20» Housing |

## ACCESSORIES

| PART NUMBER | DESCRIPTION |
|---|---|
| 167184 | 0-20 Bar Pressure Gauge ¼ BSPP |
| 172027 | ¼" Ball Valve |
| 502156 | Filter Vent (with Gauge Port) |
| 192519 | Mounting Bracket |
| 192520 | Clamp Support Kit |

# L20 PNEUMATIC DRIVEN PAINT AGITATOR

BINKS

## MAIN FEATURES

- Oscillating motion eliminates the need for tank baffle plates
- Efficient use of compressed air
- Air Lubricant not required
- Minimal air exhaust
- **Integral speed control throttle**, air regulator not needed
- Integral Shaft Seal
- Incorporation of Tank Lid Seal

## SPECIFICATIONS

| PART NUMBER | 105447 Ø340 PADDLE - 105452 Ø600 PADDLE |
|---|---|
| Air Consumption @ 10 Cycles / min | 28 L/ min 1.0 cfm |
| Speed Range | 10-30 cycles/min |
| Rotation | Oscillation ' + / - 180° |
| Air connection | ¼" |
| Torque | 30 N-M / 23 Ft-Lb |
| Shaft Seal | PTFE |
| Supply pressure | 5 Bar |

# PAINT AGITATOR ELECTRIC DRIVEN

BINKS

## MAIN FEATURES

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

## SPECIFICATIONS

| PART NUMBER | 106946 AC INVERTER |
|---|---|
| Speed Range | 106946 Paddle Speed 47 – 190 RPM 1 |
| Electric Motor | 400v – 3ph – 50 Hz 0.37 kW - Motor Eexd II 2 G T4 IP66 ATEX(inc thermisters when inverter controlled) |
| Shaft Seal | PTFE |
| Mounting Boss | Ø160 with 4 – holes Ø9 on 140 PCD |

# PRESSURE RELIEF VALVE

BINKS

## MAIN FEATURES

- Protection for Pump overpressure
- Direct connection to pump outlet manifold
- Stainless steel construction
- Sanitary or Hose Connections Standard
- Ideal for quick installation to Pump Outlet
- 9 versions available to allow easy attachment to available Smart Pumps
- Minimal 'dead' area in paint flow line
- Relief Port 360º orientation
- Accessories – Wide range of sanitary clamp and gasket 1",1 ½" & 2"

## SPECIFICATIONS

| PART NUMBER | PRV22 - VALVE ASSY./ PRV22-U-10 - 1" SANITARY / PRV22-U-15-1½" SANITARY / PRV22-U-20 - 2" SANITARY |
|---|---|
| Relief Port Connection | ¾" Hose Connector / 1" sanitary / ¾" NPT (F) |
| Cracking Pressure | 22 Bar / 320 PSI |
| Full Flow Pressure | 24 Bar / 350 PSI |

# SURGE ELIMINATOR ACTIVE FLUSHABLE

BINKS

## MAIN FEATURES

- Self compensating design eliminating manual charging with compressed air.
- Active feature dynamically changes Air pressure automatically to equal fluid pressure
- Elimination of paint surge due to pressure fluctuation
- Increased air volume for improved damping
- Flushable fluid chamber
- Fluid connection options available (ask for details)

## SPECIFICATIONS

| PART NUMBER | 104050-X-X |
|---|---|
| Max. Fluid Pressure | 16 Bar |
| Fluid Chamber | 303 ST ST |
| Air Connection | 1/8" |
| Composite Diaphragm | Mouled rubber & modified PTFE |
| Spares Kit | 250526 |

## ACCESSORIES

| PART NUMBER | DESCRIPTION |
|---|---|
| 108120 | Air Reservoir Kit |
| 108121 | Air Intensifier Kit |
| 207967 | Reservoir Pump Mounting Bracket (45 / 60 GPM) |
| 207969 | Flushable Surge Eliminator Support Stand |
| 192028 | 2" Heavy Duty Sanitary Clamp |

# SURGE ELIMINATOR : STANDARD & STANDARD FLUSHABLE

BINKS

## MAIN FEATURES

- Low maintenance, only periodic charging with compressed air.
- Available in stainless steel or aluminium construction
- Flushable fluid chamber
- Fluid connection options available (ask for details)

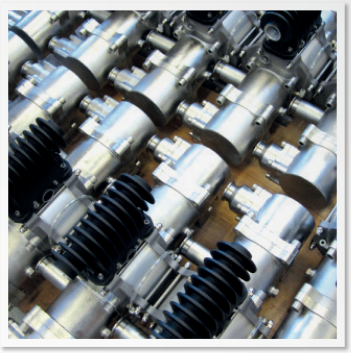
## SPECIFICATIONS

| PART NUMBER | 104052-X | 104053-X-X |
|---|---|---|
| Max Fluid Pressure | 16 Bar | |
| Composite Diaphragm | Moulded Rubber & Modified PTFE | |
| Fluid chamber | 303 St St | |
| Air connection | 1/4" | |

BINKS

**BINKS is specialized in high quality, innovative products for paint, mastic and adhesive handling applications.**

Our expertise and knowledge comes from a long history in the field of paint circuit equipment, dating back to 1890 when Joseph Binks introduced the first cold-water paint spraying machine. Our BINKS products are utilized predominantly in the automotive OEM and Tier 1 supplier market. This end manufacturer sector demands products and services of the highest quality and reliability, whilst also ensuring all aspects of environmental and energy issues are considered to meet our customers' bottom line needs in term of high productivity and efficiency.



DEVILBISS

**For over 120 years the Devilbiss philosophy has been finding innovative solutions**

Founded in 1888 when a physician, Dr. Allen DeVilbiss, combined a bulb, some tubing and the base of oil to create the first atomizer for health care. DeVilbiss is now the leading supplier of spray finishing equipment to industrial and automotive refinishes 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 and the bottom line needs of customers to maximize productivity combined with the highest quality finish. DeVilbiss is widely recognized for the development of the first "Compliant" spray guns, which greatly reduce overspray and VOC's into the environment. Additionally, the ergonomic spray gun design is widely acclaimed.

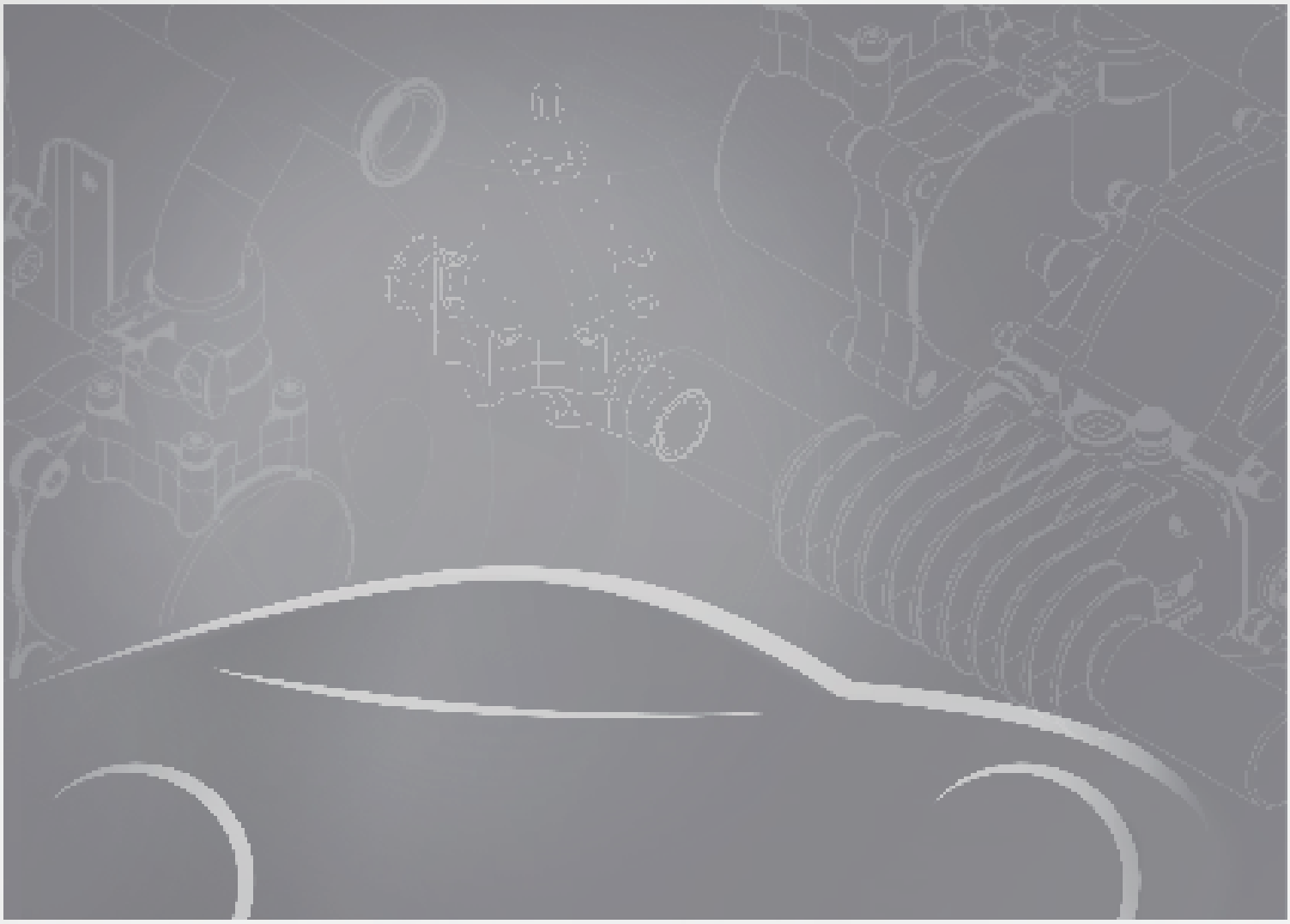
Ransburg

**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 cost savings and reduced VOC emissions, in many different industries. Ransburg is acknowledged as the market leader in the design and manufacture of electrostatic equipment. Its cutting edge technology has lead to the development of rotary atomizers like bells and discs.

INSTITUTIONAL WEBSITES

www.binkspce.eu | www.ransburg.com | www.devilbisseu.com



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