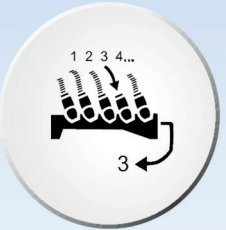




Akışkan ve Boya Teknolojileri



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Hakkımızda

ABT, konusunda bilgi ve tecrübesi kanıtlanmış kişiler tarafından yer aldığı sektöre bağlı teknolojik yapılanma hedefine yönelik yerli ve yabancı müşterilerine akışkan ve baya teknolojileri başlığı altında Ürünler sunmak, Proje gerçekleştirmek ve Proses Yönetimi, Sistem Entegrasyonu, Uygulama konularında Danışmanlık hizmetleri vermek amacıyla kurulmuştur.

%100 Türk sermayesiyle kurulmuş olan firma ayrıca, sahip olduğu dünya markalarından oluşan bir dizi distribütörlükler ve yürüttüğü iş ortaklıklarıyla elde ettiği geniş yelpazesiyle birlikte sektör ve yapısal büyüklük ayırt etmeksizin tüm ölçekteki müşterilerine aynı değeri vererek güvenilir, kaliteli, yenilikçi, fayda - maliyet odaklı destek çözümlerini paylaşmakta ve sağladığı know-how ile konusuna uygun hizmetler sağlamaktadır.

Değerlerimiz

A'dan Z'ye müşteri hizmetleriyle firmamızın en büyük gücü, akışkan uygulamalarınız için rekabetçi ve sürekli müşteri desteğidir. "Herşey tek çatı altında" prensibimiz bu gücün ana temelini oluşturmaktadır. Böylece her zaman destek ve hizmetlerimize güvenebilirsiniz.



Kalite

Tüm değer zinciri boyunca ve mühendislik alanında, kalite önemli bir rol oynar. Standartlaştırılmış veya özelleştirilmiş çözümler olsun, kaliteyi başarı için belirleyici faktör olarak görüyoruz.



Dakiklik

Yatay hiyerarşileri, kısa iletişim kanalları ve yalın yapıları olan bir şirket olarak ihtiyaçlarınıza hızlı ve esnek bir şekilde cevap verebiliyoruz.



Esneklik

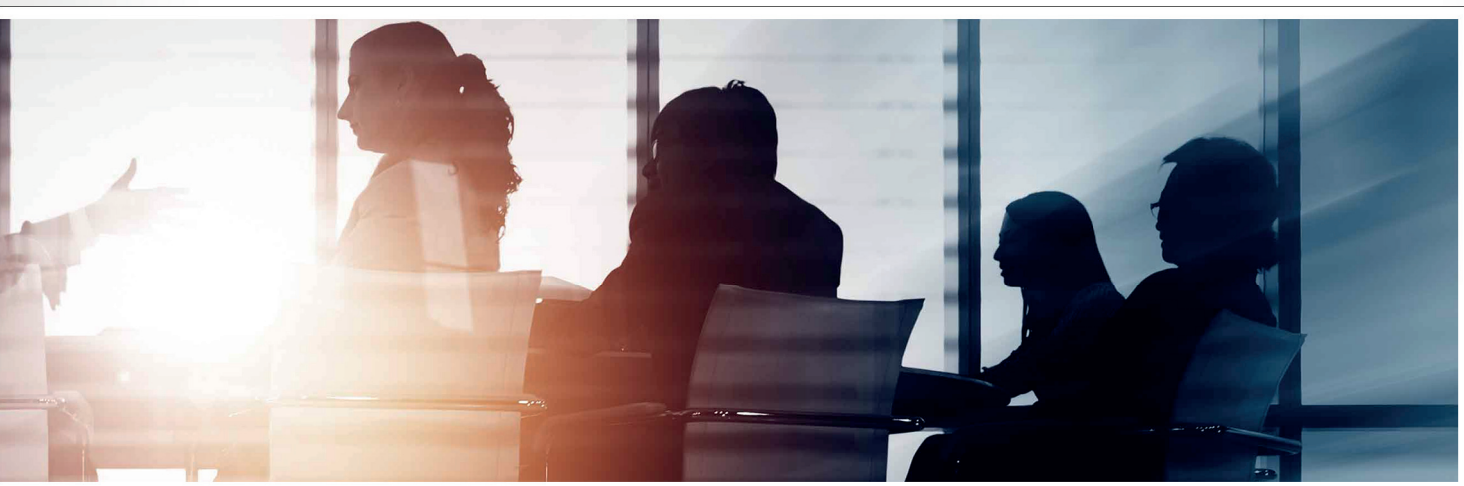
Planlama güvenliği, başarınız için en önemli faktörlerden biridir. Bir akışkan teknoloji tedarikçisi olarak bu sorumluluğu sizlerle paylaşıyor ve bu nedenle projelerimizi detaylı bir şekilde net olarak planlıyoruz.



Sürdürülebilirlik

Çevreye duyarlı bir şekilde çalışıyoruz. Son teknolojiye sahip makineler ve ekolojik çevre nedeniyle, gelecekte sağlıklı büyümeye önemli bir katkıda bulunuyoruz.

"Akışkan uygulamalarınız için sistem çözüm ortağı"



About Us

ABT, has been established by people who have proven knowledge and experience to provide products to domestic and foreign customers who aim at the technological structuring related to their sectors under the heading of paint and fluid technology, to carry out the project and to provide consultancy services on Process Management, System Integration and Implementations.

Founded with 100% Turkish capital, the company also offers reliable, high quality, innovative, cost-effective support solutions by giving the same value to customers in all dimensions, regardless of sector and structural size, shares and provides appropriate services with its know-how with a wide range of distributorships and partnerships.

Our Values

Customer service from A-Z Our company's greatest strength is the competent and continuous customer support for your fluid application. Our all-under-one-roof principle constitutes the main basis. So you can always count on our support and services.



Quality

Throughout the entire value chain and the field of engineering, quality plays a prominent role. Whether standardized or customized solutions, we regard quality as the decisive factor for success.



Precision

Planning security is one of the most important factor for your success. As a fluid technology supplier, we share this responsibility with you. For this reason, our projects are precisely planned.



Flexibility

As a company with flat hierarchies, short communication channels and lean structures we can react quickly and flexibly to your needs.



Sustainability

We operate in an environmentally conscious manner. Due to our state-of-the-art machinery and ecological environment, we already make a significant contribution to a healthy growth in the future.

"Systems solution partner for your fluid applications"



FAALİYET ALANLARIMIZ/OUR ACTIVITIES



• Boyahane Otomasyonu (Mass/ERP)

• Robotik Ekipman Entegrasyonu

• Robotik Hücreler

• Robot Haberleşme Panosu Tasarımı

ve Projelendirme

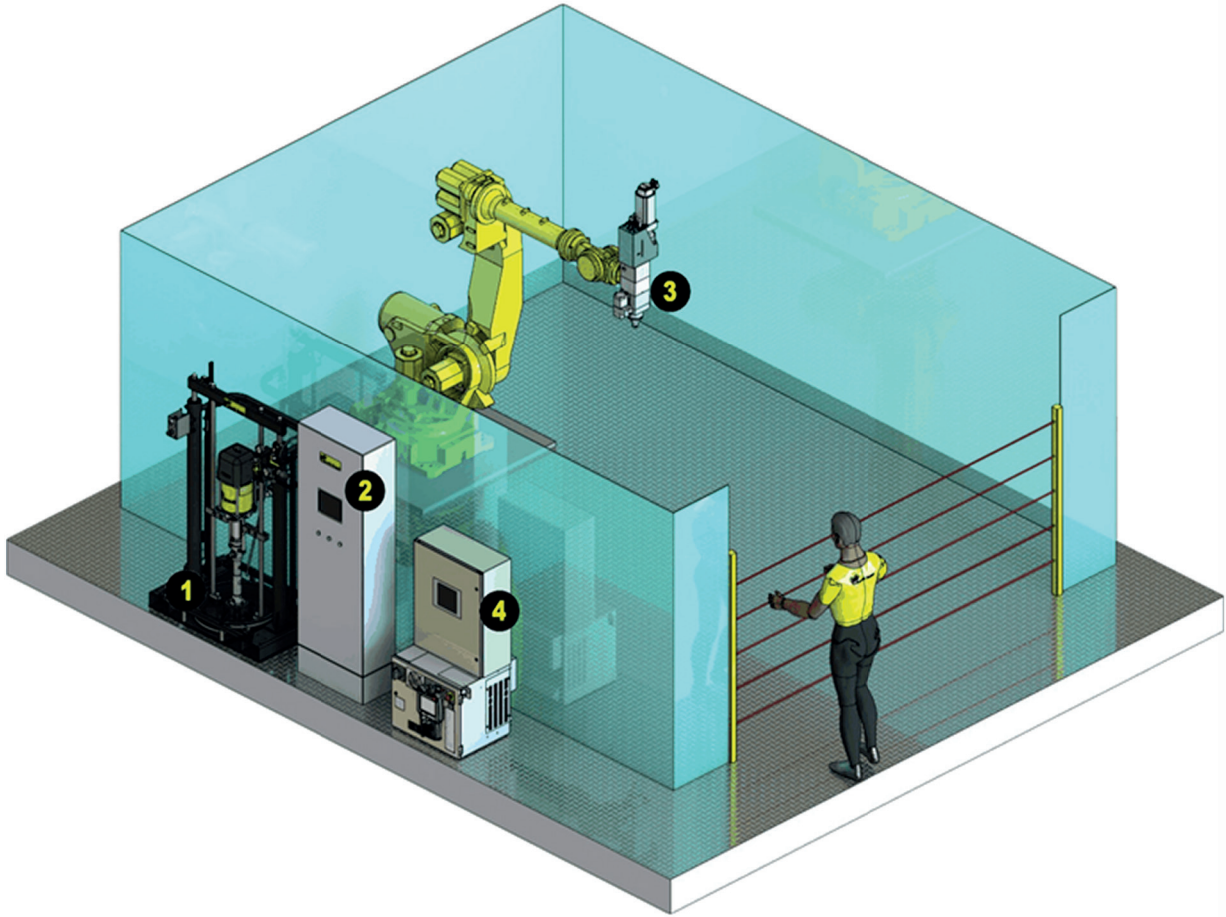
Paint Room Automation (Mass/ERP) •

Robotic Equipment Integration •

Robotic Cells •

Robot Communication Board Design •

and Projecting





• Boya Hazırlama Odası Kurulumu

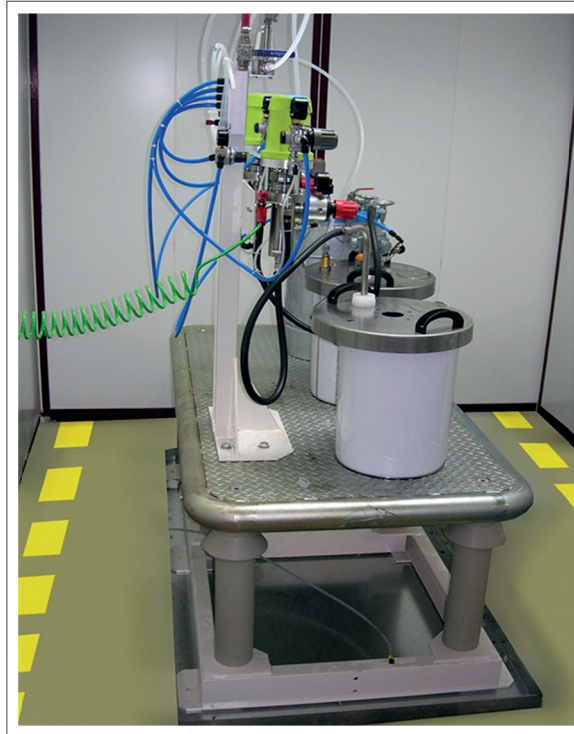
Paint Preparation Room Setup •

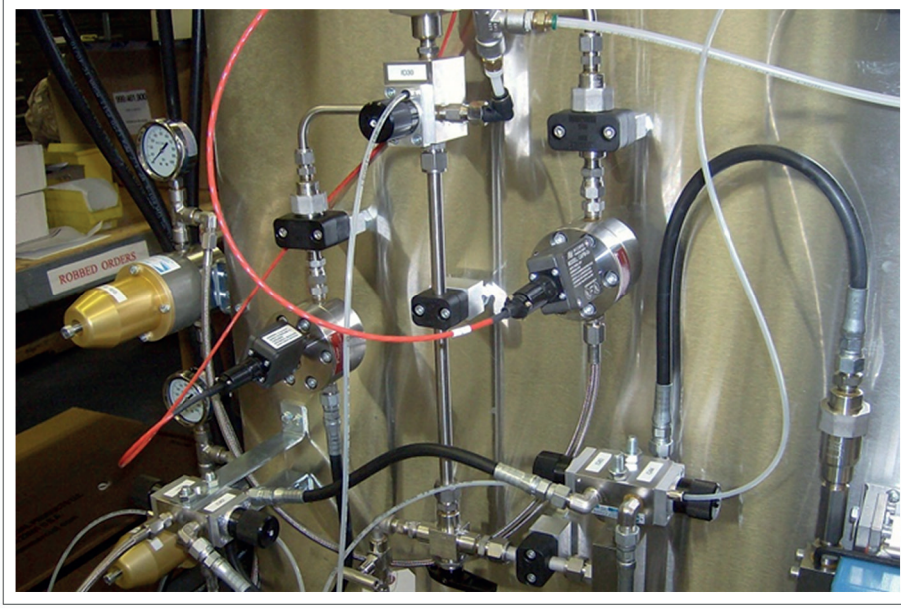
• Boyahane Ekipmanı Devreye Alma

Paint Shop Equipment Commissioning •

• Sirkülasyon Hattı Tasarımı ve Projelendirme

Circulation Line Design and Project •





Birden fazla bileşenli akışkanların transfer, sıcaklık, seviye, yoğunluk ve dozaj kontrol uygulamaları
Temperature, Density and Dosage Control of All Fluids with Multiple Components



Elektrostatik Sistem Entegrasyonu
Electrostatic System Integration

BAŞLICA SİSTEM ÇÖZÜMLERİMİZ / OUR MAJOR SYSTEM SOLUTIONS

- 01 Akışkan Transferi / Fluid Transfer
- 02 Manuel Püskürtme / Manual Spraying
- 03 Boya Besleme / Paint Supply
- 04 Karıştırıcı ve Kaldıraçlı Pompa İstasyonu / Mixer and Lift Pump Station
- 05 Karıştırıcı Kaldıraçlı Pompa İstasyonu / Mixer Lift Station with Mixer
- 06 Varilden Akışkan Transferi / Barrel Transfer
- 07 Seyyar Boya Pompaları / Portable Paint Pumps
- 08 Seyyar Mastik Pompaları / Portable Sealant Pumps
- 09 Varilden Transfer İstasyonları / Drum Transfer Stations
- 10 2K Karışım & Dozajlama Manuel - Otomatik Hatlar / 2K Mixing & Dosing for Manual - Automatic Lines
- 11 Çift Kabin Çift Renk Manuel Kabin Uygulamaları / Double Cabin Double Color Manual Cabin Applications
- 12 4 Renk Manuel 1K Boya Uygulaması / 4 Color Manual 1K Paint Application
- 13 PLC Kontrollü Hassas Karışım Hazırlama / Precise Mixing Preparation with PLC Control
- 14 Çift Renk Otomatik Boya Uygulaması Otomatik Renk Değişimi / Dual Color Auto Paint Application Automatic Color Change
- 15 Atık Kontrol / Waste Control
- 16 Hassas Debi Kontrolü / Precise Flow Control
- 17 Pozitif Deplasmanlı 2K Dozajlama (Yoğun Akışkanlar) / Positive Displacement 2K Dosing (Intensive Fluids)
- 18 Tandem Presli Mastik İstasyonu / Tandem Press Mastic Station
- 19 Nano Teknolojik Çözümler / Nano Technology Solutions
- 20 Elektrostatik Çan Atomizer (Solvent ve Su Bazlı) / Electrostatic Bell Atomizer (Solvent and Water Based)
- 21 Çan Atomizer + Atık Kontrolü / Bell Atomizer + Waste Control
- 22 Robotik Çözümler / Robotic Solutions
- 23 Su Bazlı Elektrostatik Püskürtme / Water Based Electrostatic Spraying
- 24 Robotlu Boya Uygulaması / Robotic Paint Application
- 25 Elektrostatik Atomizer Çan Uygulaması / Electrostatic Atomizer Bell Application
- 26 Otomatik Püskürtme (Konveyör Uygulaması) / Automatic Spraying (Conveyor Application)
- 27 Kartezyen Robotlu Püskürtme / Cartesian Robot Spraying
- 28 1K Yapıştırıcı, Silikon ve Mastik Uygulamaları / 1K Adhesive, Silicone and Mastic Applications
- 29 2K Polyol ve izosiyanat Dozajlama / 2K Polyol and Isocyanate Dosing

KÜRESEL İŞ ORTAKLARIMIZ

Global Business Partners





GEAR PUMPS - Manual Spray Guns

Gear precision and perfect finish

The gear pumps' casing panels, gears, shafts and drive axles are made of high-alloy rust-resistant stainless steel (material numbers 1.4571 and 1.4112). On request, the gears, shafts and drive axles can also be ADLC coated.

Gear dosing pump variants

- Gear dosing pumps - flushable
 - With flush adapter
 - ADLC-coated
 - Optional: Pump rotation right or left
- Gear dosing pumps - non-flushable
 - ADLC-coated
 - Optional: Pump rotation right or left



COLOR CHANGERS - Manual Spray Guns

Our color changers are precision parts and like all of our components are optimised for quick color changes. Our product range includes single color changers, double color changers, star color changers and inline color changers. All components are generally made of stainless steel. Precision valve borings ensure that the paint valves are long lasting and switch reliably. For flushing the color changers we offer air/solvent units and power cleaners.



MEDIA ATOMIZING - Automatic Guns

We offer automatic paint guns for conventional compressed air vaporisation, including a complex, weight-optimised, modular system for all areas of industrial application (painting machines and all painting robot types).

Paint guns

- Automatic paint gun
- Quick-change adapter base

Gun adapters

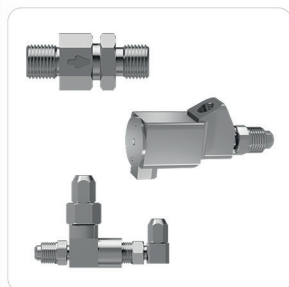
- Single and double design
- Custom designs to client specifications

Hose package for painter robots

- For automatic paint guns
- For high-rotation nozzles

Performance characteristics

- Automatic spray gun for conventional compressed air atomization
- Conceived for the processing of coating materials on solvents or water basis
- Accurate and short switching frequencies
- Very good flushability by optimized interior structure
- Small weight
- Fixing of the gun is made by intermediate plate or directly on the gun adapter
- Technically sophisticated bolting of the gun for a fast gun change
- No cutting of the o-rings by the bolting process
- Air cap with certification
- 90° Indexation of the air cap for horizontal or vertical beam
- Modular system for hose packages and gun adapters

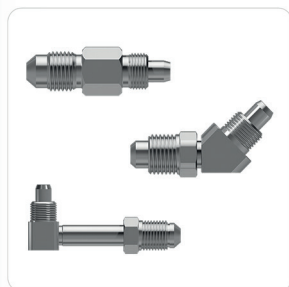


MEDIA VALVES

Valves play a key role in the functional chain of a painting facility. These components are characterised by highest precision and perfect finish. Depending on the form of utilisation (in, out or through flow) and area of use we offer a range of valves perfectly suited to the respective function. Special manufacture on request.

Type of valves

- Cage valves
- Needle valves
- 3/2- way valves
- Shut-off valve
- Check valves
- Overpressure valve / Pressure maintenance valve



SCREW CONNECTORS

Clever modular concept

Extensions, angle pieces and small-part connections are easier to think up than achieve. In fact, you never seem to have enough of such parts to hand. Connectors as well as connection seats in the valve blocks are designed to be free of any undercut. This consequent avoidance of lairs in the complete medium system allows the fast flushing of the system with sparing use of cleaning agent by excellent results.

All connectors are produced in stainless steel. Leaky connectors or wrecked threads are not a topic by using our components. Cone-shaped connectors and seats allow omitting all additional o-seals. This eases the installation and maintenance significantly.

Product overview

- Straight screw connectors
 - Reductions
 - Extensions
- Elbow screw connectors
 - Rotatable
 - Lockable
- Bulkhead connector
- Special screw connectors
 - Screwed joint 360°
 - Distribution connector
- Hose-nut
- Plug connectors
 - L-form
 - T-form
 - Y-form

ROBOTIC APPLICATION



REGMASTER REGULATOR FOR VISCOUS MATERIALS

Ideal for viscous materials

High precision
Low pressure loss
Multiple plates available



REVERSE FLUSH

Solution for optimizing the paint line rinsing system

Reverse flush is a block that dumps and rinses the material supply system without going through the sprayer.

Reverse flush comes in 2 versions: Remote and Built-in. It can be installed within all the paint unit configurations (depending on the distance between the pump and sprayer).

Remote Reverse Flush Block

When the pump is placed far away from the sprayer (distance > to 1.5 m) (as in the case of the Slim Arm which no pump can be assembled) then the remote reverse flush block is used (ideally placed at a distance between 1 and 1.5 m from the sprayer).



VOLUREX SHOT METER

Shot meter has a modular design and is known for its reliability and precision. It is user-friendly and comes with a large selection of chamber sizes.

Modular design
Reliable dispensing for material savings
Robot speed feed-back for enhanced bead control



PIG SYSTEMS

The use of pig systems in painting facilities optimises economy - via short paint changing times and the recovery of material. For ABT, too, liquids do not automatically flow backwards. However, with our pig technology we return the valuable paints and hardeners to the supply units in optimal purity or remove the excess pipe content from the piping systems with minimal loss, quickly and without residue.

"Circuit for diligent pigs"

Hard workers in the system - soft pigs clean the system in circular pipelines and transport surplus liquids back to material supply. Highly economical methods - with low investment and consequential costs for material.

"Isplaced by the pig"

The pig as evictor. Residual paint is used for paint application, with the soft pig transporting it over the vaporiser in a controlled manner. This pig system offers low investment costs, minimal paint loss and reductions in flushing agent requirements.

"A pig in pursuit"

The pig as the driver in the system. A soft pig transports the residual paint back to the circular pipeline or supply container. Low investment costs and consequential costs for material as well as minimal paint loss and reduced flushing agent requirements.



ACCESSORIES

The product range of ABT includes all accessories required, for simple components up to complex painting facilities. In the highest quality, continuously available and compatible with the components and plant of nearly every manufacturer.

AUTOMATIC 2K/3K MIXING UNITS



Binks MagicFlow 2

Universal Electronic Mixing Solution

Binks Magic-Flow 2 is the easy and precise fluid handling system for all types of spray applications with guaranteed accuracy, reliable mixing and metering of two component materials.

Overview

- 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

Applications

- Off Road and Earth Moving Vehicles
- Fork Lift, Trucks and Trailer
- Aerospace Industry
- General Industry
- Agricultural Machinery
- Plastic Components
- Transportation



Binks GEMS 2K Electronic Mixing Solution

2K Electronic Mixing Solution

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

Overview

- Operator Friendly Colour Screen Large 7" colour touch screen display enables operators to use and see the status of the machine with ease.
- Gather Auditing & Reporting Data On-screen and downloadable auditing data as standard to help you improve your spraying process and reduce your paint resin and solvent usage.
- Programmable Flush To Reduce Wastage Solvent waste is reduced by up to 65% by utilising air and solvent, rather than solvent on its own, to flush mixed materials quickly and efficiently.
- Accurate Proportioning 1:1 up to 100:1 On target mixing to the correct ratio every time, without any slippage, due to precise electronic dosing.
- Single or Multi-Colour Available in single, three, or five colour configurations to suit your requirements.

Typical Industrial Applications

- Off Road and Earth Moving Vehicles
- Aerospace / Aviation
- Fork Lift, Trucks and Trailer
- General Industry
- Agricultural Machinery
- Plastic Components
- Transportation



DETTRONIC CORIOLIS MIX

SPS: Siemens S7 1200

Touchscreen: Siemens TP700 Comfort, 16:9, color display

Resolution: 800px*480px

Front-USB: yes

Matrix valve: up to 2 (=16 controllable components)

Power supply: 230V AC

Dimensions (wxhxd, mm): 380 x 600 x 350

Fits all spraying methods

Connection possibility cabin remote control: yes

Explosion protection: no (on request: Ex II 3G possible)



DETTRONIC GEAR MIX

The DETTRONIC MIX 2K-/3K- multi-component mixing and dosing unit was specifically designed by us to meet the increasingly higher demands on process control and -safety and to ensure a consistently high and constant mixing quality.

The unit based on the Injection principle volumetrically monitors the material flows to be mixed in real time and controls the dosage independently in individually definable tolerance limits. The unit can be operated via touchscreen, and different user levels permit an individualized access of the unit's functions.

The DETTRONIC MIX can mix up to three components, the smallest possible dosage is 1,0 %, also single-component materials can be processed by the unit. Moreover, it has an automatic pot life surveillance with banking function and is suitable for almost all liquid media like resins, coatings, solvents, release agents, water etc. The volumetric flow meters are individually selected for the purpose of processing.



GUN FLUSH UNIT

All-purpose gun flush unit for 2C-units

With modern 2C-units, the GunGuard Evo is commonly used for automatic filling, banking and rinsing of manual paint spray guns. Also, it can easily be adjusted on-site to the most common spray gun models. Therefore it is a perfect alternative to spray gun model-dependent units. A high level of process safety is ensured by the activation monitoring which involves the spray gun itself as well as the protection lid. The innovative locking/release mechanism ensures a lot of free space which remarkably facilitates the inserting of the spray gun. A double-action pneumatic piston ensures the reliability of the gun trigger actuator and the special design of the air cap adapter prevents effectively waste material to be pushed into the air distributor system of the spray gun.

AUTOMATIC 2K/3K MIXING UNITS



PU 2125 F Pump - Mechanical Mixing

The Flowmax® technology, a SAMES KREMLIN patented SuperLife™ bellow design, ensures a perfect mixing accuracy thanks to the total sealing without packings.

Fixed ratio : the economical and easy solution while benefitting from the HTi, HPA and HTV spraying.

PU 2125 F are tested and comes complete ready for use.

PU 2125 F are available in 5 mixing ratio versions : 1/1, 2/1,3/1, 4/1 or 5/1.

FEATURES

Sealing done by a FLOWMAX® bellow on the catalyst side

Comes with mixer, mix manifold, air feeding assembly, suction rod for base and flushing solvent, 6 L catalyst gravity tank

Catalyst re-circulation

Stainless steel fluid sections (base and catalyst) - in standard

Cart-mounted pump

BENEFITS

High reliability. No more lubricant cups. Leak free. Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts. Ideal for UV and pre-catalyzed materials

Ready to use pump

Quick color change and flushing without catalyst loss

Chemical compatibility w/o any risk of corrosion with water-based materials

Easy positioning in the working area (various working areas)



PU 3000 2I - Electronic Dosing

The PU 3000, innovative economical and patented solution, combines electronic control and mechanical metering, ready to use. The user-friendly control box allows the operator to intuitively learn how to operate the machine.

PATENTED : The innovative pump change-over - FREE PULSE ELECTRONIC technology (FPE) - features a perfectly constant output and a +/- 1 % metering accuracy for an outstanding finish and operator peace of mind. Electronic dosing constantly monitors the actual material consumption of products and calculates the VOC.

The machine can be installed in an ATEX 1 or 2 zone to be in close proximity to the operator. The control box must be installed in safe zone (ATEX Directive). PU 3000 2I is available in HTi / HPA / HTV versions.

FEATURES

Plug & Spray

Sames Kremlin patent: Free Pulse Electronic Control (FPE) Innovative control system of pump changeover

Direct injection in the high performance static mixer

Recording of fluid consumptions and VOC
Possibility to print records

Automatic component management : base, catalyst and solvent
Automatic flushing and material generation
User-friendly control panel

Preventive maintenance alarm
Continuous ratio checking and alarm
Low level drum alarm

Ratio check kit in standard with 2 liters test tube
Filter and drain assembly in standard

Sealing done by a FLOWMAX® bellow on the catalyst side

Wide range of ratio from 5 to 160 %
Suitable for HTi / HPA / HTV spraying technologies
Very low flow rate from 10cc

BENEFITS

Quick start-up

Constant fluid flowrate
Unsurpassed +/- 1 % mixing accuracy and +/- 1 % repeatability

Perfect mixing

Fluid and solvent consumptions stored in memory

User friendly
User-friendly and easy programming for the operator

Safe operation

Visual control of mixing accuracy
No product loss

High reliability
Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts

Suitable for use on a wide range of markets



FPro P - Manual Spray Guns

Perfectly balanced, the FPro spray gun provides a superior finish for all painters. SAMES KREMLIN offers the largest range of spray guns and accessories for all FPro applications in the high finishing markets

FEATURES

Restrictor technology
(SAMES KREMLIN patent)
Vortex technology
(SAMES KREMLIN patent)
New compact handle and
soft trigger

BENEFITS

The paint is pre-atomized and slowed down, so the user can reach an unrivalled finishing Quality and increase Transfer Efficiency
Gives a swirl effect to the fan, which highly increases the paint homogeneity on the part
FPro P gun fits all the morphologies, trigger stress is the lowest on the Market, and allows to reduce the tiredness at the end of the day



FPro LOCK P - Manual Spray Guns

FPro Lock P spray gun gives you the brand new FPro finishing technology and consistent production whatever the operator's skills. SAMES KREMLIN brings you the perfect solution for high level use in demanding environments

FEATURES

Restrictor technology
(SAMES KREMLIN patent)
Vortex technology
(SAMES KREMLIN patent)
Locked Settings

BENEFITS

The paint is pre-atomized and slowed down, so the user can reach an unrivalled finishing Quality and increase Transfer Efficiency
Gives a swirl effect to the fan, which highly increases the paint homogeneity on the part
Ensure a steady finishing result on the assembly line and highly reduce the gun weight to prevent from RSI



DeVilbiss GTi Pro Lite Manual Spray Gun

Lightweight professional spray gun. The ultimate professional manual spray gun for fine finishing

OVERVIEW

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



DeVilbiss SRi Pro Lite Gravity Spray Gun

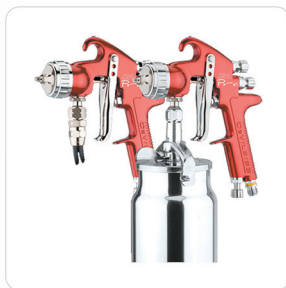
The ultimate high precision touch-up and spot repair spray gun. A small scale high precision spray gun with many practical uses throughout automotive and general industry, ergonomically styled for comfort

Overview

- 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
- Critically engineered Stainless Steel fluid tips & needles give ultimate feathering control
- Balanced air valve design for lighter trigger pull and improved air flow
- Lightweight, strong, cast aluminium spray gun body
- Reduced needle spring loading enhances trigger sensitivity
- SRi Pro Lite is supplied as standard with a quality screw-top gravity feed cup with 125ml capacity
- Optional inexpensive sem

Typical Applications in General Industry

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



DeVilbiss JGA Pro Spray Gun Range

The Full Size Conventional Spray Gun From DeVilbiss.

DeVilbiss JGA Pro range of conventional spray guns have established themselves as firm favourites with sprayers all over the world.

Overview

- 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.



Hand Spray Guns F410 Serie

High performance Well-balanced Beautiful finishing.

- Superb spray gun has come from Japan.
- Beautiful finishing in thin and uniform paint film with wider spraying pattern.
- Reduction of spraying air pressure of Only 0.25MPa.
- Well balanced body with Weight only 415g.
- Ergonomic with curved grip.
- Reduction of trigger load with lower resistance packing.
- Beautiful gun body with chrome plating brings long lasting and easy cleaning.
- Wide range model realizes almost any required spraying.
- Stainless steel passage for waterborne compatibility
- CE and ATEX certification are approved.

LOW PRESSURE MANUAL SPRAY GUNS



F-ZERO-P

High transfer efficiency Heavy duty Excellent handling

- Realizing high quality paint film by optimum spraying paint volume.
- Stable air flow vastly realizes the prevention of air pressure lost.
- Reduction of paint consumption, and small air consumption in saving energy.
- Optimum air flow brings the reduction of paint adhesion to air cap set.
- Easy handling with optimum weight balance and light weight.
- Reduction of trigger load, and improvement of usability with lower resistance packing.
- Waterborne compatibility.
- Improvement of parts durability.
- Addition of Semi-tulip pattern.
- Each nozzle bore size has its own air cap set.



F-ZERO TYPE B

"Type B" offers smooth surfaces, mirror finishes and luster.

It is designed to maximize the performance in the painting style that the thicker layers of coating (i.e., clear coat, solid coat and solid clear coat) utilize by requiring fewer passes of paint.

High paint spraying volume and the finest level of atomization are harmonized in "Type B".

This feature enables the clear coat to attain a deep gloss and wet look finish.

Thick glossy coating created by "Type B" realizes a deep gloss layer in solid black and a high luminance mirror layer in solid white.

PARTICLE CONTROL Industry's

First Deliberate irregular-sized air ports vary speed and amount of air creating a turbulent air flow : This enhances the shearing power for atomization.



F-ZERO Type T

"Type T" creates the finest atomization and less irregular surfaces.

It is suitable for metallic and pearl base coat paints which require a painter to create a high luminance mirror finish.

It is designed for painters who prefer to spray from a short distance in order to create a thinner layer of metallic or pearl paint.

"Type T" creates thin homogeneous layers of coating film and is therefore suitable for tint gradation spray.

This model is designed to maintain the finest atomization even when it is used at low pressure with low spraying air volume, which is the setting required for tint gradation spray.



F-ZERO Type R

"Type R" is a SVLP (Small Volume Low Pressure) spray gun. The spraying pattern shape features color reproducibility, which is required for a color base coat, and granular quality for metallic and pearl base coats.

The ease of use of the "Type R" makes it suitable for users at all levels of spraying skill.

This allows painters to obtain the ideal paint layer, making it appear as if the piece of work was painted by hand with a brush.

SVLP performs high transfer efficiency making it suitable for creating a thin layer.

"Type R" optimizes performance by creating a thin layer of paint with a fine level atomization that leads to the thin mirror finish required by metallic and pearl base coating.

The compact narrow spraying pattern and clear outline highlights the target spraying area, allowing for effective transitions when placing passes of paint side by side.

The easy target helps the painter recognize the spraying range, thereby preventing unnecessary overlap: this in turn creates a thinner layer of mirror finish with the minimum amount of paint.



F-ZERO S-7SB

This is a special body circuit for suction type, and it realizes same performance as gravity type.

It is possible to use large paint cup and to paint wide area easily.

COMPATIBLE with WATERBORNE Industry's First

Mirror polished stainless steel in the nipple and nozzle passage realizes smoother delivery of fluid.

This leads to improvement in both washability and the prevention of paint adhesion.



F210-P



F210-S

F210-P and F210-S

High transfer efficiency Heavy duty Excellent handling

- Realizing high quality paint film by optimum spraying paint volume.
- Stable air flow vastly realizes the prevention of air pressure lost.
- Reduction of paint consumption, and small air consumption in saving energy.
- Optimum air flow brings the reduction of paint adhesion to air cap set.
- Easy handling with optimum weight balance and light weight.
- Reduction of trigger load, and improvement of usability with lower resistance packing.
- Waterborne compatibility.
- Improvement of parts durability.
- Addition of Semi-tulip pattern.
- Each nozzle bore size has its own air cap set.

LOW PRESSURE AUTOMATIC SPRAY GUNS



A35 HTi- Modular Automatic Guns

Modular design for High Volume Production with an outstanding finish quality - HTI technology.

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Modular design	Quick service : only 4 bolts to unscrew, no need to remove hoses
Built-in valve	Non air-bleeding gun
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Stainless steel design	Compatible with water-based materials



A 35 HPA - Modular Automatic Guns

Modular design for High Volume Production with an excellent finish quality - HPA technology. Wide fan pattern available

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
New EN 3L aircap	Unsurpassed wide fan pattern
Modular design	Quick service : only 4 bolts to unscrew, no need to remove hoses
Built-in valve	Non air-bleeding gun
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Stainless steel design	Compatible with water-based materials



DeVilbiss AGMD Pro Automatic Spray Gun

The DeVilbiss AGMD Pro Automatic spray gun delivers optimal atomisation quality and the best performance in its class. Our engineers have taken the acknowledged leading atomisation technology from the GTi Pro hand gun and enhanced the market leading AGMD Automatic gun to produce the "AGMD PRO".

Overview

- DeVilbiss Compliant Atomisation Technology
- High Performance front end technology with removable/replaceable baffle & 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 DeVilbiss AGMD model
- Certified air caps
- Indexing air caps
- Plastic tip needle on St/St seal for increased life
- Suitable for waterborne and solvent base coatings



DeVilbiss AG-360 Automatic Spray Gun Series

Low Pressure Air Atomization Automatic Spray Gun Range

The AG-360 Automatic spray gun Series from DeVilbiss is available in various spray gun formats to provide an all-encompassing and universal automatic finishing solution for all applications.

Overview

- A comprehensive range of CONventional, HVLP and Trans Tech (Compliant) Air caps provide a choice of Environmental compliance, Transfer Efficiency, Atomization power and application requirements.
- Simple construction and easy maintenance for minimal down-time.
- Stainless Steel Fluid Passageways for Water based & Solvent based coating applications.
- Quick detachable mounting manifolds provide fast and easy maintenance.
- Compact size and weight for easy positioning and precise alignment.
- Multiple options and formats to evolve for all application requirements
- Independent Fan, Atomizing and Trigger Air – vital for Robotic and fully automatic machine applications.
- Using the acknowledged market leading low Pressure Air Atomization technology from DeVilbiss, the AG-360 automatic spray gun series has been developed to provide a blend of finish quality, engineering robustness and superior Transfer Efficiency



FA110-P

Features

- New atomization system
- Realizing high quality paint film by optimum spraying paint volume.
- Lightweight and compact
- The lightweight, compact design allows installation even in confined spaces.
- Highly durable non-lubricated type
- The use of a special "U" needle packing on the paint line improves durability and eliminates any need for lubrication.
- Durability is further improved by use of a Teflon needle packing on the air line.
- Adaptable for remote control (This performance is option in FA type.)
- The pattern can be adjusted (opened and closed) by remote control using compressed air.
- Stainless steel passage for waterborne compatibility



A110-P

Features

- New atomization system
- Realizing high quality paint film by optimum spraying paint volume.
- Lightweight and compact
- The lightweight, compact design allows installation even in confined spaces.
- Highly durable non-lubricated type
- The use of a special "U" needle packing on the paint line improves durability and eliminates any need for lubrication.
- Durability is further improved by use of a Teflon needle packing on the air line.
- Adaptable for remote control
- The pattern can be adjusted (opened and closed) by remote control using compressed air.

LOW PRESSURE AUTOMATIC SPRAY GUNS



AJ-P

Features

Adoption of new type of nozzle and cap

- With taper structure of the nozzle tip, AJ-P enables high atomization and low spattering, with a small spraying volume, resulting in maintenance and improvement of economical effect, environmental conservation and continuous painting performance.

Remote operation

- Atomization air and pattern air are supplied via separate circuits.
- This structure enables remote operation of individual circuits.

Light-weight and compact

- Even when the joint box (including the joint) is attached, the body is light-weight and compact.
- This structure enables transportable load reduction, quick operations, flexible access and short-distance spraying, and results in an enlarged teaching range.

Maintenance efficiency improvement and attaching/detaching time reduction

- The gun body and the joint box can be attached and detached with a single bolt, and the joint and hose not need to be removed from the gun body, thus enabling easy positioning when the joint box is re-mounted after maintenance.
- No special tools are required for all maintenance step work.



AD-P and FAD-P

Features

Short distance painting

- With taper structure of the nozzle tip, AD-P and FAD are applicable to short-distance painting, which enable high atomization and low spattering performance with a small paint spraying volume and small air consumption, and provide high-quality coating film.

Remote operation

- Atomization air and pattern air are supplied via separate circuits.
- This structure enables remote operation of individual circuits.

Maintenance efficiency improvement

- The spray gun is divided into three sections: cap base, gun body and cylinder body.
- This structure simplifies parts replacement, and enables the body (paint circuit) to be washed after immersed in solvent, resulting in maintenance efficiency improvement.
- Disassembling work is easy, without necessity of a special tool.



Change to SUS circuit for liquid contact area

- A SUS circuit can be used for the liquid contact area by changing the body.

Compatibility

- Since the cap base and the body are applicable to both AD-P and FAD,
- AD can be changed to FAD by replacing a set of the cylinder body.

Built-in atomization air valve with remarkably lighter weight and smaller body(FAD-P)

- The operation circuit has been simplified, resulting in higher operability.
- FAD-P provides 40% lighter weight and 24% smaller size than our conventional model (FA), and provides an enlarged teaching range.

Compatibility with circulation type

- When the plug and plug packing are removed from the aperture of the circulation circuit, these models can serve as the circulation type.

GENERAL PURPOSE



4GPA-U-V

Ideal for agitating pearl and metallic paint.
It is possible to agitate in low pressure and adjust the rotation freely.



7SB-VA

Ideal for agitating pearl and metallic paint.
It is possible to agitate in low pressure and adjust the rotation freely.



HS2A-G

Wide selection of models
In addition to models specially designed for use with tile, resin, mortar, stucco, micro-fine stucco, etc., our extensive product line-up also includes multi-purpose spray guns and other models for every type of application.

Lightweight, excellent balance
Optimum efficiency design makes these spray guns extremely light-weight and the excellent handling balance minimizes operator fatigue during extended use.



HS2YA-G

Wide selection of models
In addition to models specially designed for use with tile, resin, mortar, stucco, micro-fine stucco, etc., our extensive product line-up also includes multi-purpose spray guns and other models for every type of application.

Lightweight, excellent balance
Optimum efficiency design makes these spray guns extremely light-weight and the excellent handling balance minimizes operator fatigue during extended use.



F210-Z-PZ

Wide selection of models
In addition to models specially designed for use with tile, resin, mortar, stucco, micro-fine stucco, etc., our extensive product line-up also includes multi-purpose spray guns and other models for every type of application.

Lightweight, excellent balance
Optimum efficiency design makes these spray guns extremely light-weight and the excellent handling balance minimizes operator fatigue during extended use.



F110-P

High transfer efficiency Heavy duty Excellent handling
Realizing high quality paint film by optimum spraying paint volume.
Stable air flow vastly realizes the prevention of air pressure lost.
Reduction of paint consumption, and small air consumption in saving energy
Optimum air flow brings the reduction of paint adhesion to air cap set.
Easy handling with optimum weight balance and light weight.
Reduction of trigger load, and improvement of usability with lower resistance packing.
Waterborne compatibility.
Improvement of parts durability.
Addition of Semi-tulip pattern.
Air cap sets for suction, gravity, and pressure type are interchangeable in the same fluid nozzle bore size



F110-S

F110-S and F110-GR

High transfer efficiency Heavy duty Excellent handling

Realizing high quality paint film by optimum spraying paint volume.

Stable air flow vastly realizes the prevention of air pressure lost.

Reduction of paint consumption, and small air consumption in saving energy.

Optimum air flow brings the reduction of paint adhesion to air cap set.

Easy handling with optimum weight balance and light weight.

Reduction of trigger load, and improvement of usability with lower resistance packing.

Waterborne compatibility.

Improvement of parts durability.

Addition of Semi-tulip pattern.

Air cap sets for suction, gravity, and pressure type are interchangeable in the same fluid nozzle bore size

Special air cap designed specifically for touch-up work

Designed specifically for touch-up work to provide the ideal spray for painting small to medium-sized areas.

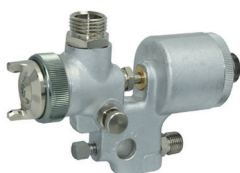
Special air cap 10PMAS is ideal for spraying pressure at 0.4MPa in the line painting.

Stainless steel passage for waterborne compatibility.(F110-P0810PMAS, F110-P10MAS)

Designated specially for line painting work to provide beautiful finishing in higher atomization and wider pattern width.



F110-GR



AHS-2A

Lightweight and compact

The lightweight, compact design allows installation even in confined spaces.

Paint viscosity should be 22 seconds for lacquer enamel using a Meiji model V-1 viscosity cup.

Feed pressure should be 0.1MPa.

Circulation type is available



A55-P

Lightweight and compact

The lightweight, compact design allows installation even in confined spaces.

Paint viscosity should be 20 seconds for lacquer enamel using a Meiji model V-1 viscosity cup.

Circulation type is available



SA110-P

New atomization system

Realizing high quality paint film by optimum spraying paint volume.

Lightweight and compact

The lightweight, compact design allows installation even in confined spaces.



PIPE INLINE PAINT

Pneus Airless Gun with rotating engine
FOR PIPES INTERNAL SPRAYING Min./Max. Diameter 450 - 750mm.

Pneus Mini airless gun
Pneus Mini airless gun with nozzle 360°
Nozzle 360°



AGA, SGA-2 Mortar Spray Gun

Wide selection of models
In addition to models specially designed for use with tile, resin, mortar, stucco, micro-fine stucco, etc., our extensive product line-up also includes multi-purpose spray guns and other models for every type of application.

Lightweight, excellent balance
Optimum efficiency design makes these spray guns extremely light-weight and the excellent handling balance minimizes operator fatigue during extended use.



2K Polyurea Spray Gun

Superior air purge spray gun for PU foam and heavy coating. The new 2K Gun is developed to reduce downtime, fast and easy to maintain, less clogging, and increase your productivity. Tethys 2K gun is highly reliable and easy to use even in difficult spraying positions.

Features and Benefits

Superior air purge spray gun for heavy coating
Provides accurately mixed and proportioned material
Less clogging
Less maintenance and downtime
Easy to clean
High resistance and durability



2K Polyurethane Foam Pumps

Tough designed sprayer for overall industrial protective coatings 7" Air Motor, 34:1 Pressure Ratio with two cylinders (lowers), mixing ratio 1:1.

For spraying PU foam application, 34:1 with mixing ratio 1:1 are designed to overcome the toughest job site environment. Equipped with two positive displacements to provide the most reliable mixing ratio, Flash 7" can always achieve your expectation of fluid atomization.

Features and Benefits

Two and three-lower designs achieve a wide variety of mix ratios
Two-lower design for a consistent 1:1 mix ratio
Reduces material and solvent waste
Provides accurately mixed and proportioned material on demand



Mobile Mastic Pumps

Easy handling extremely viscous fluid High Viscous Fluid Transfer Pump concentrates on handling high viscous materials. It guarantees a smooth handling of high viscous materials with adequate flow rate for efficient work.

Features and Benefits

Provides flow rate up to 14.4 liter per minute (3.8 gpm) and operating pressures up to 320 bars.
High output per cycle: reduced wearing for longer life and lower repair costs
Large internal porting for maximum flow
Additional Air-Powered Ram is available for improving performance

LOW PRESSURE TRANSFER PUMPS



02C85 Airspray Paint Pump - Cup Piston Pumps

The airspray 02C85 piston pump is designed for use with a single or multiple gun system spraying medium viscosity coatings. It can also be used on a heated circulation system.

FEATURES	BENEFITS
Compact design	Easily integrated into a finish workshop
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Available in stainless steel version	Compatible with water-based materials



04C240 Airspray Paint Pump - Cup Piston Pumps

For medium viscosity products with 1 or several guns. For circulating and automatic machines.

FEATURES	BENEFITS
Compact design	Easy to carry
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Hot or cold spraying	To spray a large range of products with the best conditions



08C240 Airspray Paint Pump - Cup Piston Pumps

For large production. The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance



04F240 FLOWMAX® Airspray Paint Pump

Bellow pump - Flowmax® technology - without packings for automatic machines and circulating

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability. No more lubricant cups. Leak free. Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

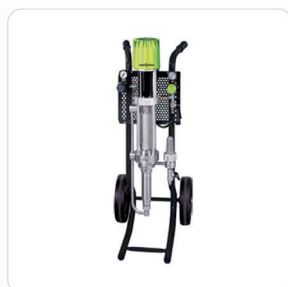


PCS 04F440 FLOWMAX® Airspray Paint Pump

High output, cartridge free bellow pump for circulating and automatic machines. The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability. No more lubricant cups. Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

LOW PRESSURE TRANSFER PUMPS



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Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity



PCS 08F440 FLOWMAX® Airspray Paint Pump

High output, cartridge free bellow pump for circulating and automatic machines.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability. No more lubricant cups. Leak free. Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts. Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity



Drum Pumps

COSMOSTART P0204 transfer pumps provide a very high flow-rate. Equipped with 2 inch HI FLUX air motors, P0204 generate up to 15.0 liters/minute flow-rate. P0204 series are ideal for handling low-viscous materials that require fast transferring. COSMOSTART P0204 pumps are designed with compact bodies that make them easier to be plugged and used directly on drums or containers.

Features and Benefits

- Flow rates up to 15.0 liters per minute
- Drum length versions have inlet immersed in material for quicker priming of heavier fluid
- Immersed inlets hold prime better than non-immersed
- Air-operated for high reliability and low cost



Compact Circulating Systems

All-in-one quality finish spraying package COSMOSTAR 50305/50905 is designed especially for customers who require better coating process. Application of coating regulator and accumulator provide excellent effect in terms of steady output pressure. To ensure a regular agitation of easily coagulating fluid, a stirring tank complete with three-piston air agitator is installed. Hence guarantees a perfect machine for perfect coating work.

Features and Benefits

- Accumulators and coating regulator
- Easy maintenance of pneumatic valves and steel balls
- Low working pressure requiring only 1.4 bar (20 PSI)
- Quiet and low vibrating system
- Rugged structure for long lasting machine



Automatic Bucket Mixer

Designed to meet challenges of today's paintings and coatings.

Agitators guarantee painting quality by thoroughly mixing and better particle dispersion in your mix tank or throughout the whole painting system. COSMOSTAR AM0705 air motor can be mounted in almost every position you wish and still delivers smooth work with little vibration. Thus it offers a wide variety of mounting options.

Features and Benefits

- Three-radial pistons provide high torque capacity
- Durable and reliable in harshest environment (usable in atmospheres up to 120C)
- Radial piston designs are long lasting and easy to maintain
- Non electrical sparking
- Cool running
- Long-life accessories
- Compact and Portable
- Low Price
- Variable Speed

LOW PRESSURE TRANSFER PUMPS



PMP 150 Pump - Airspray Pumps

The PMP-150 diaphragm pump is designed for applications requiring a 1:1 pressure ratio and can be used on some adhesive applications and harsh or high viscosity coatings.

FEATURES	BENEFITS
Simple design	Easy operation and maintenance
Double material diaphragm out of PTFE and nitrile	Compatible with most of solvent or water-based products. Quick motor inversion
Compact design	Easy to carry



PDM175 - Diaphragm Pumps

Diaphragm pump specifically designed for circulating and feeding automatic machines.

FEATURES	BENEFITS
Simple design	Easy operation and maintenance
Diaphragm made of PTFE	Compatible with most water-based materials
Compact design	Easy to carry



02C85 Airspray Paint Pump - Cup Piston Pumps

The airspray 02C85 piston pump is designed for use with a single or multiple gun system spraying medium viscosity coatings. It can also be used on a heated circulation system.

FEATURES	BENEFITS
Compact design	Easily integrated into a finish workshop
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Available in stainless steel version	Compatible with water-based materials



04C240 Airspray Paint Pump - Cup Piston Pumps

For medium viscosity products with 1 or several guns. For circulating and automatic machines.

FEATURES	BENEFITS
Compact design	Easy to carry
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Hot or cold spraying	To spray a large range of products with the best conditions



08C240 Airspray Paint Pump - Cup Piston Pumps

For large production. The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance



Binks DX200 1:1 Ratio Diaphragm Pump

The Binks DX200 is a high flow rate, air operated 1:1 ratio, double diaphragm circulation or transfer pump specifically developed for the direct supply of paints and materials to spray guns.

- Rugged Construction & Universal Material Compatibility - Available in Aluminium and Stainless Steel to handle a wide variety of fluids
- Non-Stall & Quiet Running - A non-stall air valve and integrated muffler provides smooth, quiet running
- Extended Service Life & Zero Leakage - Bonded PTFE diaphragm is more flexible, removing mechanical seals or packings, which means an extended service life
- Consistent Fluid Delivery - Unique "no-crease" diaphragm design and "built-in" fluid regulator ensures a consistent pressure output and significantly reduced pulsation
- Pumps Shear-Sensitive Materials - Low internal velocities and gentle pumping action does not shear coatings

LOW PRESSURE TRANSFER PUMPS



TWIN20

Compact 1: 1-pump made of hardcoated aluminum, solid body

Pressure ratio: 1:1
 Max. pressure ingoing air [bar]: 6
 Air consumption (3bar/30DS) [l/min]: 5
 Flow rate per double stroke [min]: 86
 Max. flow rate [l/min]: 20
 Connection intake: G 3/4" IG
 Connection outlet: G 1/2" I



TWIN33

11: 1-pump material touching parts, stainless steel

Pressure ratio: 1:1
 Max. pressure ingoing air [bar]: 6
 Flow rate per double stroke [min]: 150
 Max. flow rate [l/min]: 33
 Connection intake: M26x1,5
 Connection outlet: G 3/8"



PTI-10609

- Reliable
- Easy replacement of diaphragms
- Chemically resistant diaphragm (long service life)
- Diaphragm CIP-able
- Better rinsing capability
- Small compact design
- Reliable starting due to spring valve
- Low-wear pneumatic ceramic valve (reliable)
- Low-maintenance
- Suction and pressure port 90° rotatable
- Can run dry



PTI-1150

- Reliable
- Easy replacement of diaphragms
- Chemically resistant diaphragm (long service life)
- Diaphragm CIP-able
- Better rinsing capability
- Small compact design
- Reliable starting due to spring valve
- Low-wear pneumatic ceramic valve (reliable)
- Low-maintenance
- Suction and pressure port 90° rotatable
- Can run dry



PDM-9340

- Universally applicable
- Oil-free operation
- Low-maintenance
- Suitable for dry running
- Good chemical resistance
- No spring loaded ball valves



Binks Galvanised Carbon Steel Pressure Tanks

Binks galvanised carbon steel pressure feed tank/container - For solvent based materials

The Binks pressure tank range is equipped with easy to operate air regulators, safety pressure relief valves and agitation to provide the best quality agitation.

40 litre capacity for solvent based materials

- Fully approved and CE marked to the latest pressure equipment directive 97/23/EC.
- Constructed from Heavy Gauge steel with forged steel clamps
- Carbon Steel Plated range covers ALL industrial applications
- Higher pressure rating for Heavier materials
- Range offers complete material handling suitability for solvent coatings
- Inner Liners reduce cleaning time and save coating material
- Top and Bottom outlet conversion kits available



PCS 03R440 FLOWMAX® Airspray Paint Circulating System Pum

The 03R440 solves common issues of 24/7 paint pumps. This pump features a bellow technology and a state of the art lubricant circulating system. They are available in wall-mounted versions fitted with GT seals (waterborne materials) or PU seals (solvent-based materials)

FEATURES

- Performance**
- Differential air motor technology
 - 2 air motor sizes
 - Large fluid section
- Productivity**
- Wall-mounted air motor design
 - Divorced fluid section
 - Visual checking of any lubricant color changes
- Sustainability**
- Use of a SAMES KREMLIN bellow instead of a lubricant cup
 - Stainless steel and carbide design

BENEFITS

- Performance**
- Virtually no maintenance
 - Optimal pressure for each application
 - Ideal for circulating or to handle several guns
- Productivity**
- Fast in situ hydraulic disassembly
 - Easy and fast maintenance
 - Possibility of programming maintenance operations
- Sustainability**
- Extended lifetime up to 10.000.000 cycles and clean paint kitchen environment
 - Optimized wear resistance



PCS 06R440 FLOWMAX® Airspray Paint Circulating System Pump

The 03R440 solves common issues of 24/7 paint pumps. This pump features a bellow technology and a state of the art lubricant circulating system. They are available in wall-mounted versions fitted with GT seals (waterborne materials) or PU seals (solvent-based materials).

FEATURES

- Performance**
- Differential air motor technology
 - 2 air motor sizes
 - Large fluid section
- Productivity**
- Well-mounted air motor design
 - Divorced fluid section
 - Visual checking of any lubricant color changes
- Sustainability**
- Use of a SAMES KREMLIN bellow instead of a lubricant cup
 - Stainless steel and carbide design

BENEFITS

- Performance**
- Virtually no maintenance
 - Optimal pressure for each application
 - Ideal for circulating or to handle several guns
- Productivity**
- Fast in situ hydraulic disassembly
 - Easy and fast maintenance
 - Possibility of programming maintenance operations
- Sustainability**
- Extended lifetime up to 10.000.000 cycles and clean paint kitchen environment
 - Optimized wear resistance



Binks DX200-3 3:1 Ratio Diaphragm Pump

Air operated 3:1 diaphragm pump

The Binks DX200-3 3:1 pump has been designed to perform in tough spray gun, system or transfer applications.

- Higher fluid pressure with constant low pulse flow rates
- Durable construction, low maintenance operation
- Interchangeable outlet options
- Multiple spray gun, system and transfer applications



Binks Maple Pumps

Advanced, Air Operated, Horizontal Piston, Paint System Pumps

The Maple Pump is our advanced, air operated, horizontal piston pump for automotive and general industrial applications.

- Low Ice lubricant free air motor with patented quick exhaust technology removes the risk of valve icing
- Enclosed Bellows Seals - no exposed seals eliminating shaft packing lubrication and significantly reducing pump maintenance
- Stainless steel fluid sections, ideal for waterborne, or solvent based paints
- Tungsten Carbide ball seats and ceramic coated pistons ensure maximum, trouble free operating life
- Equal thrust on each stroke produces a smooth, even paint flow
- Control valve metal spool and sleeve for long life, incorporating our patented magnetic detent to eliminate stall conditions
- Fluid connections guarantee a smooth internal flow and eliminate paint pockets for to ensure a superior finish
- 5 year pump warranty on materials and workmanship



PTI-MHD-1030

- Chemically stable diaphragm with a high service life for pressures up to 20 bar
- Diaphragm CIP-able
- Can run dry
- Better rinsing capability of pump with low cleaning agent consumption
- Small compact construction size
- Low-wear pneumatic ceramic valve with guaranteed start-up behaviour in each position
- No icing, therefore reliable
- Low-maintenance
- Long service life of TIM-Flex diaphragm
- Usability also with highly viscous media
- Optional with stroke counting



PTI-MHD-1065

- Chemically stable diaphragm with a high service life for pressures up to 20 bar
- Diaphragm CIP-able
- Can run dry
- Better rinsing capability of pump with low cleaning agent consumption
- Small compact construction size
- Low-wear pneumatic ceramic valve with guaranteed start-up behaviour in each position
- No icing, therefore reliable
- Patented pump
- Low-maintenance
- Long service life of TIM-Flex diaphragm
- Due to the use of spring actuated media valves there are such advantages as good suction behaviour, low pulsation, freely selectable mounting position, usability also with highly viscous media.



UVFix 04

Concept

The UVfix04 HVPA is a high-volume belows pump with newly designed material feed for pulsation sensitive material supplies in the pressure range up to about 20 bar and designed as an alternative to pressure-boosted diaphragm pumps.

Pros

- Low-shear material handling
- Low pulsation due to newly designed material feed
- Low turning point frequency due to large piston stroke
- Extreme low wear piston made of high performance ceramics
- Simple, cost saving and durable seals
- Undercut free, external air distribution valve



PTI-KPE

Double piston pump:

- Mechanical pump unit
- Electric motor + gear



Binks Smart Pumps

Advanced Digital Control Circulation Pumps

Binks Smart Pumps combine digital control with our patented reciprocating drive fluid sections, giving world leading energy efficiency, pulse free flow and proven reliability. The original and still the best!

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

AIRMIX MANUAL SPRAY GUNS



Xcite™ Airmix® - Manual Spray Guns

The Xcite™ Airmix® manual spray gun delivers outstanding performance with unsurpassed finish quality for a quick payback. It is available in 3 pressure ranges: 120, 200 & 400 bar (1740-2900-5400psi) to meet every application. The Xcite™ is HVLP compliant.

- Product savings & environmental protection due to high transfer efficiency (up to 86%)
- Unsurpassed atomization quality of spraying
- Ergonomically designed for outstanding performance



Xcite™ Light Airmix® - Manual Spray Guns

The Xcite™ Light Airmix® manual spray gun focuses on lightness, simplicity and maneuverability. For maximum benefits, this spray gun is available in two versions: 60 bar and 120 bar (870 psi & 1740 psi)

- Excellent Airmix® finish quality
- High transfer efficiency - up to 86% (HVLP compliant)
- Designed to access recessed areas of parts



Binks AA4400M Air Assisted Airless Spray Gun

Spray fan pattern is adjustable on the gun

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

Overview

- Unique Trans-Tech or HVLP air caps provide a "Softer fine spray" for superior finish quality and higher transfer efficiency than competitors
- Lightweight and Operator friendly design with lighter trigger pull tension
- Easy to remove "in-line" needle assembly for quick maintenance
- Adjustable needle packing and "balanced" air valve design
- Solid forged gun body for maximum durability and longer life
- Stainless steel fluid passages with tungsten carbide seats
- Gun handles Solvent and Waterborne coatings as standard
- Standard flat tip AND Twist tip cleaner available with a wide range of tips from .007" (0.18mm) to .035" (0.89mm)

Typical Applications

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



Fine Spray Gun BM 250 - Manual Spray Guns

Air-assisted airless spray gun for professional use in industry and craft. Works with a newly developed air cap for all common paints and coatings of the highest quality to 250 bar. Optional with material supply pipe, fine filter and swivel joints for air and material.



Air Assisted Gun MACH3 - Manual Spray Guns

Stainless steel filter holder inlet 1/4" BSP

Guard for reversible tip

Reversible tip Fine Finish

Repair kit Tip Guard

AIRMIX AUTOMATIC SPRAY GUNS



AVX Airmix® - Automatic Spray Guns

The new version of the automatic Airmix® spray gun ensures high level performance with unsurpassed finish & excellent atomization quality.

- High transfer efficiency
- Excellent atomization quality
- Modular design & high reliability



ATX Airmix® - Automatic Spray Guns

ATX automatic Airmix® spraying gun ensures high level performance with unsurpassed finish quality of pulverization due to Airmix® technology: recommended for applying UV products.

- High transfer efficiency
- Excellent atomization quality
- Modular design & high reliability



AXC Airmix® - Automatic Spray Guns

AXC automatic Airmix® spray gun ensures high level performance with unsurpassed finish & excellent atomization quality.

- High transfer efficiency
- Excellent atomization quality
- Compact design & high reliability



Binks AG-363 Air Assisted Airless Automatic Spray Gun

The Binks AG-363 combines the best features of Air Assisted Airless atomization and Binks engineering to provide a superior atomization and finish quality coupled with the highest possible transfer efficiencies, resulting in significant paint savings while complying with the toughest EPA regulations.

The Binks AG-363 combines the best features of Air Assisted Airless atomization and Binks engineering to provide a superior atomization and finish quality coupled with the highest possible transfer efficiencies, resulting in significant paint savings while complying with the toughest EPA regulations.

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



Air Assisted Gun MACH5



10C18 Airmix® Paint Pump - Cup Pumps

The 10C18 AIRMIX® painting pump is only available as a complete spraying package. It ensures constant and pulse free delivery for superior finish.

- Designed for long-lasting industrial use
- Fast color changes with minimum solvent consumption
- Simple design to minimize maintenance time and operation



10C50 Airmix® Paint Pump - Cup Pumps

This paint pump is perfect for Airmix® applications by providing exceptional performance. Recommended for one or two Airmix® gun operations.

- Ideal for Airmix® applications
- High efficiency pump for maximum energy savings
- Optimized construction for simple & quick maintenance



15C25 Airmix® Paint Pump - Cup Pumps

This compact paint pump is the ideal partner for your Airmix® spray guns providing simple design for fast maintenance and meets the spray painting requirements of main industry.

- Ideal for Airmix® applications
- High efficiency pump for maximum energy savings
- Optimized construction for simple & quick maintenance



15C50 Airmix® Paint Pump - Cup Pumps

This paint pump is able to supply one or two Airmix® spray guns meeting the spray painting requirements of main industry. This pump embeds patented seals for long term usage.

- Perfect Airmix® finish
- Built with minimal parts
- Lowest cost of ownership



16C240 Airmix® Paint Pump - Cup Pumps

Paint pump for medium pressure - medium output applications. Recommended for one to eight Airmix® gun operations.

- Stainless steel construction
- Designed for medium viscosity materials
- Extended lifetime



20C50 Airmix® Paint Pump - Cup Pumps

This paint pump is perfect for Airmix® applications by providing exceptional performance.

- Ideal for Airmix® applications
- High efficiency pump for maximum energy savings
- Optimized construction for simple & quick maintenance



20C100 Airmix® Paint Pump - Cup Pumps

This paint pump is perfect for your Airmix® applications. His size is big enough to supply up to 4 guns keeping stable spray pattern for optimal finishing.

- Ideal for Airmix® applications
- High efficiency pump for maximum energy savings
- Optimized construction for simple & quick maintenance



30C25 Airmix® Paint Pump - Cup Pumps

This compact paint pump is the ideal partner for your Airmix® spray guns. His design meets the spray painting requirements of every industry and is recommended for waterbased application which require powerful suction.

- Efficiency - perfect for Airmix® finish
- Optimization - built with minimal parts
- Simplicity - lowest cost of ownership



16F240 Airmix® Flowmax® Paint Pump - Flowmax® Pumps

Idel to supply several guns and a circulating with ice free performances.

- Flowmax® technology for zero maintenance
- Designed for moisture-sensitive & slightly abrasive materials
- Extended lifetime



17F60 Airmix® Flowmax® Paint Pump - Flowmax® Pumps

Flowmax® lub free technology ensures total sealing and reliability. Quick pump reversing allows a perfectly stable fan and flow rate. Recommended for one 2 Airmix® guns operation.

- Unique Flowmax® Bellows technology
- Extended lifetime
- Easy maintenance



20F50 Airmix® Flowmax® Paint Pump - Flowmax® Pumps

This 20F50 paint pump uses Flowmax® technology for total sealing, performance and extended lifetime for Airmix® applications.

- Unique Flowmax® Bellows technology
- Extended lifetime
- Easy maintenance



20F100 Airmix® Flowmax® Paint Pump - Flowmax® Pumps

Flowmax® paint pump for medium pressure applications. Recommended for all materials, including water-based and high solids.

- Flowmax® technology for zero maintenance
- Designed for moisture-sensitive & slightly abrasive materials
- Extended lifetime



20F440 Airmix® Flowmax® Paint Pump - Flowmax® Pumps

The Flowmax® pump ensures total leak free sealing, performance, an extended lifetime and reliability.

- Zero maintenance: FLOWMAX® technology
- Designed for moisture-sensitive & abrasive materials
- Extended lifetime



PU 3000 Airmix® - Electronic Mixing and Dosing Paint Pump

Electronic dosing & mixing equipment, includes pumping, metering & electronic functions in low and medium pressure.

Available in 2 versions: 2 Liters and 4 Liters.

- User friendly
- Material mixing quality
- Security of application



Spray Pack

You will find our Airmix® solution that includes:

A PUMP equipped with 2 manometer:

- one to control the pressure at the pump
- one to control the atomizing air delivered at the gun

2 HOSES:

- 1 conductive air hose 7,5m length
- 1 material hose 7,5m length

ONE MANUAL SPRAY GUN

ONE HOSE SLEEVE to protect your hoses

Some pack may offer additional accessories such as trolley, tripod, suction rod or gravity hopper, filters or spraying tip. Please refer to the below table to select your spray pack.



DX30

Classic piston pump for Airless or airassisted airless application: material contact parts in stainless steel



DX300U

High-pressure piston pump optimized for small quantities: material contact parts in stainless steel



MX32

Classic high-pressure piston pump with increased output capacity, ideal for use as a supply pump: material contact parts in stainless steel



UVFix-20



Flow heater VULKAN

Maintenance-free, explosion-proof material flow heater for conversion to hot spraying. The application enables higher layer thicknesses, constant material processing parameters at outside temperature fluctuations while saving solvent and working time. Up to 350 bar working pressure.

AIRLESS MANUAL SPRAY GUNS



SFLOWTM 275 and 450 AIRLESS gun

The Airless manual pressure spray gun Sflow allows real material saving for industrial applications with a high transfer efficiency of 81%. Its reliable and solid construction together with a comfortable grip and fatigue-free trigger makes that your work has never been so easy.

Sflow manual Airless gun optimizes efficiency and brings operator great comfort. A large choice of tips: flat, reversible Tip Top or Skill (double insert) is available for every application.

FEATURES

High end tungsten carbide tip tested individually
Finger trigger to close the gun, tip lock, hand safety protection
Patented dedicated tool
Ergonomic design
Build-in hook
Swivel handle fitting
Fatigue free 2 or 4 fingers
Smart lock
High strength aircap ring
Large filtration area

BENEFITS

Reliable and repeatable spraying quality
Enhanced security
Quick filter change
Comfortable grip to prevent any MSDs
To keep the gun near the workstation
Better maneuverability
To fit every painter morphology
Quick and easy tip orientation and positioning
Increased lifetime by reducing premature wear
Available in PA or stainless steel to prevent any tip plugging



Airless Spray Gun GM 500

Very robust and durable. For all materials in high pressure up to 350 bar. Also available with long trigger and adjustable spring for material



TKLINE Airless Gun



Airless Gun B2000

AIRLESS AUTOMATIC SPRAY GUNS



AIRLESS AS2 Spray Gun - Stainless Steel

Very compact gun with possibility of circulation

FEATURES

Miniature size
Wide range of AIRLESS® tips
Lightweight design

BENEFITS

Great for small systems with size restrictions
Provides many patterns choices
Makes it possible to mount more guns on a reciprocator without exceeding the weight limit



AIRLESS ASI 24 or 40 Spray Gun - Stainless Steel

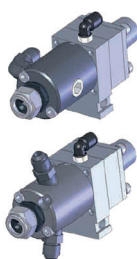
High output.

FEATURES

Equipped with 2 fluid inlets
No spring in the fluid passages
Large choice of tips

BENEFITS

Allows for circulation and saves money by eliminating the need for a 2-way valve on color or flushing
Saves time and money by making it easier to clean, faster color changes and less maintenance
To fit each customer need



AIRLESS ASI 40 GT and ASI 40 GTV Spray Guns - Stainless Steel

ASI40 GT, Sames Kremlin original design for abrasive HS (high solids) materials.

ASI40 GT, unique Sames Kremlin design for UV materials difficult to flush. Fluid sections with circulation, straight fittings to prevent any material deposit on the GT cartridge and perfect flushing for an increased life time.

Option to position the product inlet on the side or underneath by rotating the front of the gun. Tip mounting without any seal (stainless steel on stainless steel).

AIRLESS spraying = High power preventing any needle blockage and suited for a wide range of products.

FEATURES

Fitted with a GT cartridge
Small ball needle
Simple and unique design (separated small ball needle and cartridge)
Large choice of tips
400 bar spring

BENEFITS

Strong resistance to very abrasive UV and HS materials for an improved reliability
For an improved laminar fluid passage
Very easy to service
Recommended for large fluid outputs and very high viscosity material applications
Strong power reducing any needle blockage



Airless Gun B81 Stainless Steel

AIRLESS PUMPS



AIRLESS 40C50 Paint Pump - Stainless Steel

Ideal for outputs up to 1.5 litre/mn.

FEATURES

Large diameter suction rod and high compression ratio
Stainless steel design
Simple design, reduced number of spare parts

BENEFITS

Can be used with a wide range of materials
Compatible with water-based products
Easy maintenance



AIRLESS 40C50 WB Paint Pump - Stainless Steel

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.5 litre/mn.

FEATURES

Large suction fluid passage
Puls-Absorber device
Stainless steel design
Stainless steel strainer
Simple design, reduces number of spare parts

BENEFITS

For high viscosity materials
Stable and smooth flow
Compatible with water-based products
Long service life and good reliability. No crushing possible
Easy maintenance



AIRLESS 40C100 Paint Pump - Stainless Steel

Ideal for feeding two guns.

FEATURES

Simple design, reduced number of spare parts
Large diameter suction rod and high compression ratio

BENEFITS

Easy maintenance
Can be used with a wide range of materials



AIRLESS 40C100 WB Paint Pump - Stainless Steel

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.5 litre/mn.

FEATURES

Large suction fluid passage
Puls-Absorber device
Stainless steel design
Stainless steel strainer
Simple design, reduced number of spare parts

BENEFITS

For high viscosity materials
Stable and smooth flow
Compatible with water-based products
Long service life and good reliability. No crushing possible
Easy maintenance



AIRLESS 40C260 Paint Pump - Stainless Steel

Recommended for any anti-corrosion applications. Available with three different types of sealing packings to meet most customer needs:

• PTFE G + PE : abrasive materials • GT : solvent-based materials • PU : water-based materials

FEATURES

Stainless steel design
Rugged design
Air motor muffler included

BENEFITS

Compatible with water-based materials. Well-suited for anti-corrosion materials
Excellent performances and easy maintenance in hard to reach places
Very silent pump for better comfort of the operator



AIRLESS 53C124 Paint Pump - Stainless Steel

AIRLESS unit especially designed for industrial coating applications. Ideal for feeding two guns.

FEATURES

Cart-mounted pump
Rugged design
Stainless steel design
Simple design, reduced number of spare parts
Large diameter suction rod and high compression ratio

BENEFITS

Can be used in most industrial areas
Adapted for construction sites
Compatible with water-based materials
Easy maintenance
Can be used with a wide range of materials

AIRLESS PUMPS



AIRLESS 65F260 FLOWMAX Paint Pump - Stainless Steel

Recommended for corrosion-resistant applications

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability. No more lubricant cups. Leak free. Total sealing between pump and its enviroment, ideal to work with moisture-sensitive catalysts. Ideal for UV and pre-catalyzed materials.
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity
Pressure ratio 65/1	High power, compatible with long hose lengthes



HX48

High-pressure piston pump with high flow rate: for use as a airless spray unit for highly viscous/abrasive media: material contact parts in stainless steel



MX52

Classic high-pressure piston pump with increased output capacity, ideal for use as a supply pump: material contact parts in stainless steel



HX64

High-pressure piston pump with high flow rate: for use as a airless spray unit for highly viscous/abrasive media: material contact parts in stainless steel



UFFIX - 40

GLUE DOSING PUMPS



PTI-D3



PTI-D2



PTI-E2

EXTENDED SPRAY GUNS



F110-GX



F110-GXC



F110-PX11L

Model F110-PXL is equipped with a special nozzle and cap developed for painting the inside surface of pipes, making it ideal for painting the inside of long pipes with a small inner diameter.



F110-PX17LA

Model F110-PX17LA can spray both full cone and hollow cone in adjusting the position of pipe place, and it is suitable for spraying inside of the pipe in less than $\Phi 300\text{mm}$.



FA110-PX11L

Model (F)A110-PX17LA can spray both full cone and hollow cone in adjusting the position of pipe place, and it is suitable for spraying inside of the pipe in less than $\Phi 300\text{mm}$.



FA110-PXC

RANGE OF THE LIQUID SPRAYERS

THE SAME KREMLIN LIQUID ELECTROSTATIC RANGE IS MADE OF THREE TYPES OF SPRAYERS

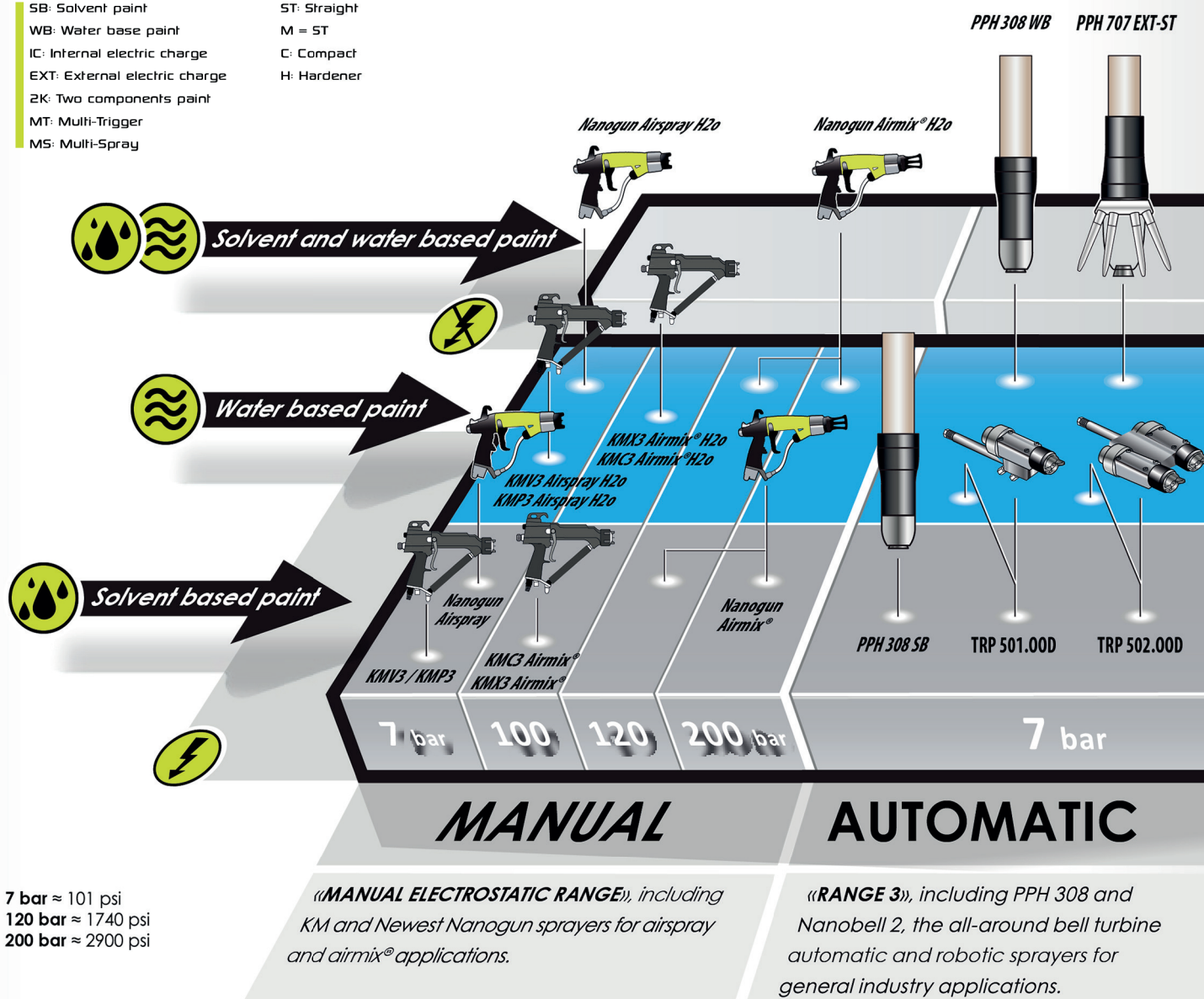
MANUAL GUN for electrostatic application of paint with high transfer efficiency and good ergonomics. Most of the time, they are used for small batches or for pre-touch/touch-up within an automatic paint process.

AUTOMATIC SPRAYERS for electrostatic application with high flow rate and used to process large series with short takt time. Most of the time, several guns are fitted in heavy duty paint facilities.

ROBOTIC SPRAYERS with high speed turbine for enhanced finishing quality and sprayers for general industry and automotive applications.

SB: Solvent paint
WB: Water base paint
IC: Internal electric charge
EXT: External electric charge
2K: Two components paint
MT: Multi-Trigger
MS: Multi-Spray

ST: Straight
M = ST
C: Compact
H: Hardener



7 bar ≈ 101 psi
120 bar ≈ 1740 psi
200 bar ≈ 2900 psi

WHEN USING GUN OR BELL ?

GUN SPRAYER

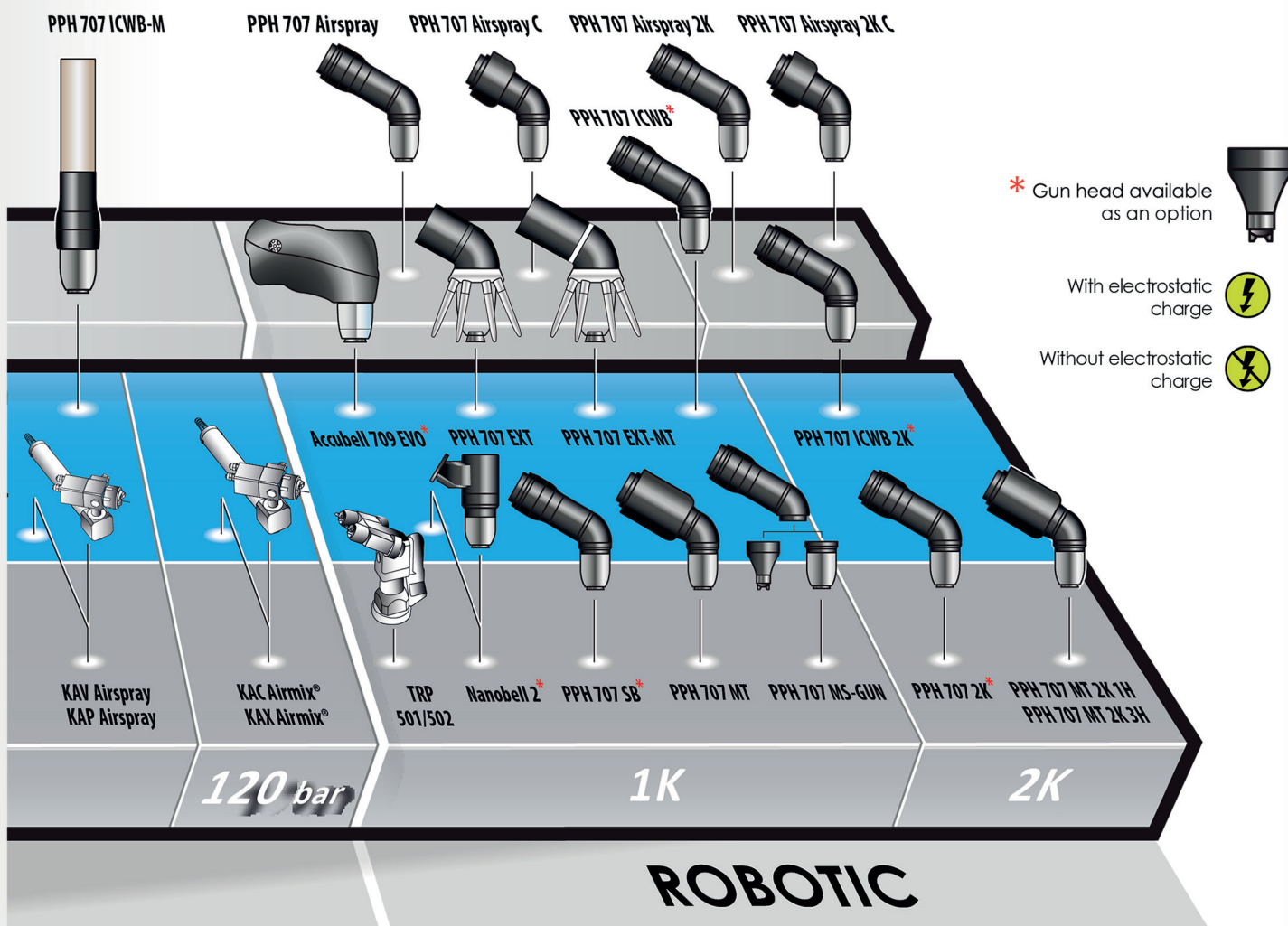
Very versatile, the fan spray favors penetration in recesses and folds. Target distance may be a factor.

- Good penetration and wrap around
- Complex shapes
- Used for touch-up / pre-touch
- Automatic or manual
- High Transfer Efficiency

BELL SPRAYER

Designed for coating large flat surfaces, the bell can spray all kinds of liquid materials with a film build accuracy.

- Wrap around effect
- Wide pattern
- High flow
- Homogeneous thickness
- Automatic or robotic
- High transfer efficiency
- Excellent finishing quality



«**RANGE 7**», including PPH 707 external and internal charge with high speed turbine for enhanced finishing quality.

«**AUTOMATIC ELECTROSTATIC RANGE**», including TRP and KA sprayers for airspray and airmix® applications.

ELECTROSTATIC SPRAYING & EQUIPMENT



Nanogun Airspray - Manual Spray Gun

Manual electrostatic low pressure gun

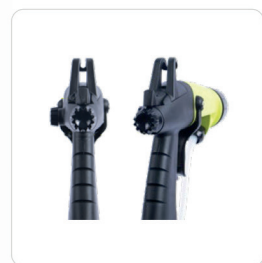
- Lightweight electrostatic gun
- Outstanding finish quality
- High voltage & current for more paint savings

Nanogun Airspray is a manual air spray gun, for the spraying of solvent materials. Paint may be supplied to it via a pump, a pressure tank or a circulating.

When spraying, the charged paint drops follow the lines of the electric field to the part. Electrostatics result in paint savings and wrap around, reduced overspray and pollution. Adding compressed air to it, allows penetration into cavities.

FIELD OF APPLICATION

- Aerospace
- Metallic furniture
- Cycles & Motorcycles
- Wood industry
- Aluminium profiles
- Agricultural & construction equipment
- Automotive - OEM, Tier One and Tier Two



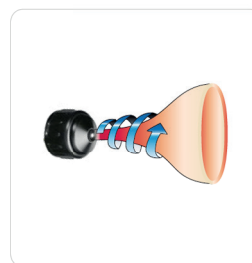
Intuitive controls

- High voltage
- On/Off
- Pattern width
- Paint flow rate



Enhanced ergonomics

- Lightweight
- Perfectly balanced
- Grip & barrel design based on firearms manufacturers' studies
- Flexible hoses
- High Resistivity version



Aircap innovation

- Super Vortex technology for finest atomization
- Good homogeneity between edge and center of pattern
- New round spray design: less overspray for 10% higher efficiency
- New fan spray aircap: 19% higher efficiency



GNM 6080 Control Module

- Easy to maintain:
 - Scheduled alert
 - Diagnostic alert
- Easy to use:
 - kV setup value
 - 3 presets
 - High visibility of the display value



Option

- A coil fluid hose to facilitate safe application of metallic paints



Ransburg RansFlex RFQ and RFXQ Quick Fan Electrostatic Spray Gun

Electrostatic Quick Fan Adjust Solvent Applicator

The RansFlex Quick Fan Adjust applicator, is an air atomising electrostatic applicator powered by an onboard generator that provides best in class atomisation in a lightweight, user friendly applicator.



Nanogun Airmix® - Manual Spray Gun

Manual electrostatic airmix® gun

- Airmix® technology for productivity and outstanding transfer efficiency of 93%
- Electrostatic charge delivers more paint savings
- Lightweight and ergonomically designed

Nanogun Airmix® Manual Electrostatic gun is designed for applying solvent-based materials.

Available in 2 pressure calibrations, 120 and 200 bars (1740 and 2900 psi), it meets a wide range of application requirements.



KA Airspray - Automatic Spray Gun

Automatic electrostatic low pressure gun

- Lightweight
- Outstanding finish quality
- High current and voltage for paint saving

KA Airspray gun is an automatic electrostatic gun with a high spraying quality and a maximum wraparound effect on complex parts.



KA Airmix® - Automatic Spray Gun

Automatic electrostatic high pressure gun

- Lightweight
- Outstanding Airmix® finish quality
- High current and voltage for paint saving

KA Airmix® gun is an automatic electrostatic gun with a high spraying quality fan and a maximum wraparound effect on complex parts. The spray gun is usually used with a reciprocating machine or in a fixed station. Using a multi-axis robot is also possible.

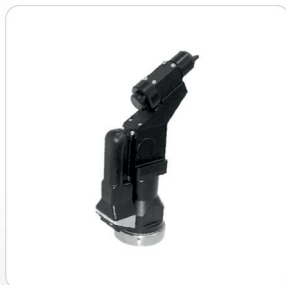


TRP 501.000 & 502.000 - Automatic Spray Guns

Automatic pneumo-electrostatic sprayer

- High paint savings
- Increased productivity
- Simplified maintenance
- Easy to use

TRP sprayer allows the application of solvent or water-soluble liquid paints in automotive and general industry. It ensures a perfect finishing combined with significant paint savings. The additional benefit of the TRP is to apply very high flow rates (up to 1200 cm³/min in some configurations). TRP is usually used with a reciprocating machine or in a fixed station. Using a multi-axis robot is also possible. For over 20 years, TRP is the reference in the world of finishing in the fields of industry and automotive, often copied never equalled.



TRP 501 & TRP 502 - Robotic Spray Gun

Electro pneumatic robotic gun

- High performance gun atomizer
- High reliability for Automotive paintshop
- Easy to maintain

TRP gun is used for the application of water or solvent based paints. The additional advantage of the TRP is to enable the application at very high flow (up to 1200 cm³/min with certain configurations) while combining the pneumatic and electrostatic effects. The TRP gun is light, compact and has much flexibility of use. Its simple and robust design makes it extremely reliable. For more than 35 years, TRP gun has been the reference in the world of automotive finishing, often copied but never equalled.



PPH 707 ICWB-M - Automatic Bell Spray

Rotary bell atomizer for waterbased paint with internal charge

- High productivity
- A-grade finishing quality
- Easy to maintain

Atomizer PPH 707 ICWB M is a high performance atomizer with rotating bell cup, dedicated for applying non-flammable or hardly flammable water-based paints, using internal charge.

Originally developed for automotive OEM and Tier 1 markets, PPH 707 ICWB M offers unrivalled results in terms of productivity, thanks to its high flow rate and transfer efficiency even with fast reciprocator speeds (up to 1000 mm/s).



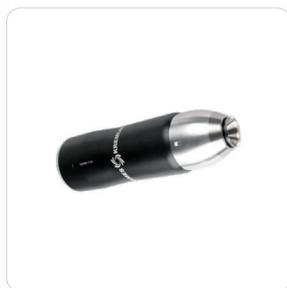
PPH 707 EXT-ST - Automatic Bell Spray

Rotary bell atomizer for waterbased paint with external electrodes

- High productivity
- Easy to integrate
- High finishing quality

PPH 707 EXT-ST is dedicated for applying non-flammable or hardly flammable water-based paints. Equipped with SAMES KREMLIN Hi-TE spraying technology patented by SAMES KREMLIN, PPH 707 EXT-ST is THE benchmark for external charge spraying.

The electrostatic charge made by ionization (or indirect charge) is called « external charge ». The particles get electrically charged by passing close to electrodes outside the sprayer. Equipped with SAMES KREMLIN Hi-TE spraying technology, the performances in terms of productivity, transfer efficiency and quality of finish position SAMES KREMLIN as THE reference of the external charge applicators.



PPH 308 - Automatic Bell Spray

Rotary bell atomizer for solvent based and waterborne paint

- High transfer efficiency (up to 80%*)
- Superb gloss and regularity of film build
- Easy and fast maintenance

The sprayer PPH 308 allows the application of liquid solvent-based or water-based paint in general industry. Known as the best rotary bell sprayer, PPH 308 benefits from technologies developed for Automotive markets.

It is usually used with a reciprocating machine or in fixed station.



NANOBELL 2 - Robotic Bell Spray

Rotary atomizer bell for Robotic application

- Easy integration and maintenance
- High transfer efficiency
- High finishing quality

The NANOBELL2 robotic sprayer is compact, lightweight (5 kg) and sturdy, meeting the expectations of manufacturers of small and average plastic parts, of the wood industry and of manufacturers of metal parts.

With NANOBELL2 is an affordable bell applicator which can significantly increase their paint savings, while improving the quality of their production. It can spray, depend on configuration solvent-based or water-based paints, mono or multi-components paints.

FIELD OF APPLICATION

- Aerospace
- Wood industry
- Metallic furniture
- Aluminium profiles
- Cycles & Motorcycles
- Agricultural & construction equipment
- Drums & Gas containers

High Transfer Efficiency

- Significant paint savings (from 20 to 50% more savings than conventional gun)
- Variation of pattern thanks to Hi-TE technology for BETTER spray control

Easy integration & maintenance

- Light weight sprayer for small size robots
- Allows mounting on both hollow and nonhollow wrist
- Easy to dismantle
- Easy access to valve, fittings
- Long life magnetic turbine

High finishing quality

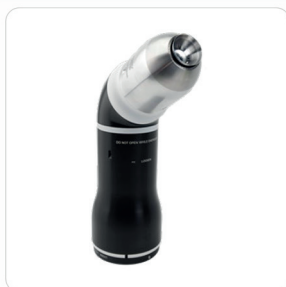
- Thin atomization of paint droplets
- Sharp control of applied thickness

Easy Maintenance

- Magnetic bellcup fastening system
- Optimised design for assembly/disassembly



- (1) Microvalve
- (2) Magnetic turbine
- (3) Bell cup EC50 Hi-TE
- (4) Internal shaping air shroud
- (5) External shaping air shroud
- (6) High Voltage Unit (UHT 158 EEx e)
- (7) Arm support with output of hoses and cables in hollow wrist robot version
- (8) Output of hoses and cables in nonhollow wrist robot version



PPH 707 SB - Robotic Bell Spray

Robotic sprayer for solvent based paint equipped with high speed rotary bell

- High performance bell atomizer
- High reliability for Automotive paintshop
- Easy to maintain

PPH 707 SB is a sprayer dedicated to the electrostatic application with internal charge of solvent based paint. It is equipped with the high speed turbine (HVT) with magnetic bell. "SB" index means that this type of sprayer is dedicated to solvent based paint application. The high speed allows a high rotation (up to 85 000 rpm):


- better atomization fineness,
- high paint flow

The level of finishing quality proposed by the PPH 707 SB guarantees a high quality. This tool will meet your requirements in terms of:

- spraying (primer, base, 2nd base, clear ...)
- application aspect
- transfer efficiency (control of the V.O.C.)
- reliability and simplification of the maintenance operations
- product saving

FIELD OF APPLICATION

PPH 707 SB is dedicated to the Automotive Industry and Tier 1 for solvent based application.



Primer	*	*	*
Base	*	*	*
Clearcoat	*	*	*



High Performance

- High rotating speed
- High voltage unit
- Hi-TE dual shaping air
- Dual circuit for fast color change

Flexibility

- Full Bell/Bell process-Primer, Basecoat 1, Basecoat 2, Primer
- Wide or narrow pattern
- Light weight for any painting robots

High Reliability

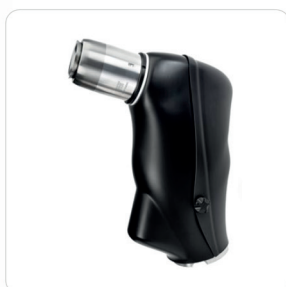
- Long life HVU (High Voltage Unit)
- 2.5 million cycles life of valves
- Titanium bellcup for longer life
- 7 years/30 000h. warranty* turbine

Easy to Maintain

- Magnetic bellcup fastening system
- Quick disconnect
- Easy access to valves, fittings
- Specific body design preventing & dust or droplet
- No calibration tool required

Safety

- Smart integrated HVU-fast energy discharge preventing any spark
- Remote bell monitoring device
- ATEX zone 1



ACCUBELL 709 EVO - Robotic Bell Spray

Electro pneumatic robotic gun

- High performance gun atomizer
- High reliability for Automotive paintshop
- Easy to maintain

TRP gun is used for the application of water or solvent based paints. The additional advantage of the TRP is to enable the application at very high flow (up to 1200 cm³/min with certain configurations) while combining the pneumatic and electrostatic effects. The TRP gun is light, compact and has much flexibility of use. Its simple and robust design makes it extremely reliable. For more than 35 years, TRP gun has been the reference in the world of automotive finishing, often copied but never equalled.



ISOCUBE - Manual Spray Gun

Insulating Box

Manual application of waterborne paint

- 100% safe operation for manual electrostatic waterborne applications
- Plug and Spray: Easy to install, to move around, to maintain
- User friendly for outstanding finish quality

Insulating cabinet for electrostatic water borne coating application with Nanogun Airspray or Nanogun Airmix® - manual applications - up to 30 liters paint containers. When spraying waterborne coatings, spray equipment must be isolated in a closed cabinet. The Isocube by SAMES KREMLIN fully complies to this requirement. This compact insulating cabinet can be installed close to the paint location. A large door provides easy access to load the paint tank. A built-in safety system ensures the grounding of the paint circuit when the gun is not spraying or when the door is opened.



ABT-BHT651 Antistatic Paint Hose – High Conductivity (For low pressure feed type manual spray guns)

With the use of polyamide resin, the solvent resistance is significantly improved compared to conventional painting hoses.

Polyamide/Polyurethane resin product

For piping of paints and solvents

Superior in flexibility and pressure resistance, this hose will improve the workability



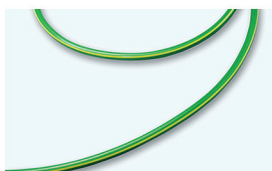
ABT-BHK710 Antistatic Paint Hose – High Conductivity (For suction and gravity manual spray guns)

With the use of special resin for the outer layer, this hose is superior in significant flexibility. The fluorine resin, used for the wetted layer, will also demonstrate the significant resistance to water paints.

Inner fluorine resin product

For piping of paints and solvents

The fluorine resin, used for the wetted layer, will demonstrate the significant resistance to water paints in addition to oil paints.



ABT-HHT851 Antistatic Air Hose – High Conductivity (For suction and gravity manual spray guns)

A conductive material is used for inner layer and the grounding can be completed just by connecting a metallic joint.

Polyurethane product

For antistatic piping of painting

Stripping off the ground wire is not necessary, which improves the workability. A reliable grounding can be achieved.



ABT-BH Series Paint Hose

Compared to conventional fluorine tube, the softness and smoothness of inner tube have been improved, attaining superior workability.

Inner fluorine resin product

For piping of paints, solvents, and paint robots, and conveyance of foods and beverages.

Compared to conventional fluorine tubes, the retention power against burst pressure after bending the tube has been greatly upgraded.



ABT-Connect Series Air Hose

Polyurethane product

A tube for various pneumatic machines

Superior in oil resistance, this tube is appropriate for in-factory air piping.



Extensions For FPRO P And FPRO Lock P Spray Guns - Airspray Guns Accessories

Designed for painting the inside of tubes (360° circular fan) or the inside of cavities (lateral fan)



Gravity Cups - Airspray Guns Accessories

The white cup is for water or solvent based paints : the grey cup is for polyurethanes and pre-catalyzed paints



Suction Cup - With Non-Drip System - Airspray Guns Accessories

1/4 turn quick opening SM6 aluminum twist cup (for M22 and M21 ranges)

1/4 turn quick opening PeHD cup (for S3A)

NOTLAR

ABT

Geniş bir manuel, otomatik ve robotik uygulama yelpazesıyla ABT; üretimde artış, kalite iyileştirme, malzeme ve maliyet tasarrufu için sıvı aktarma, dozajlama, karıştırma ve dağıtımda anahtar teslim çözümler sunar.

With a wide range of manual, automatic and robotic applications, ABT provides turn-key solutions for fluid handling, dosing, mixing & dispensing for production increase, quality improvement, material & cost savings.

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