



SATA® Automatic Spray Guns – A Class Of Their Own

Automatically Perfect Finishes

Pneumatically controlled application systems for maximum material savings



Pneumatically controlled precision paint

SATA - Specialist for atomisation technology

SATA is a leading manufacturer of paint spray technology with more than 80 years of experience.

The outstanding reputation SATA products enjoy all over the world is the result of a **quality oriented manufacturing process with small tolerances**. Strict controls during the manufacturing and assembly process secure consistently high quality in terms of spray

performance, atomisation and thus in the achievable finish.

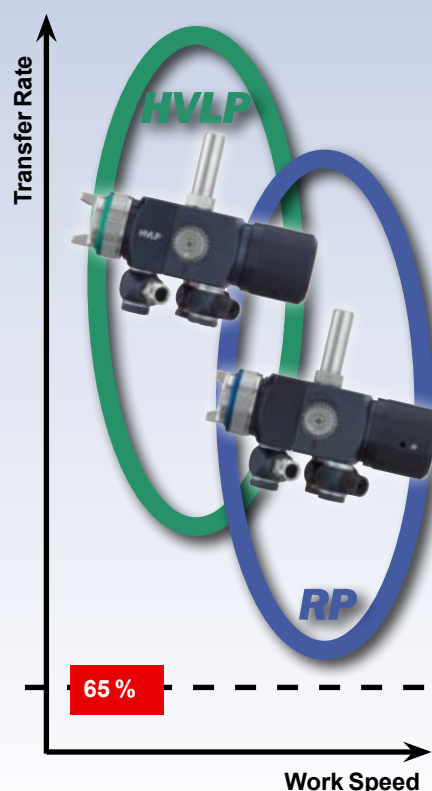
The nozzle technology of automatic and robotic spray guns has continuously been adapted to the proven standards of hand-held spray guns.

High application process security, low maintenance requirements, long-term spare part availability and individual solutions characterise SATA paint spray guns, especially for industrial use.

HVLP and RP: Two Ways – One Aim

According to VOC legislation, only "state-of-the-art" coating systems with **high material transfer rates** may be used, i.e. paint spray guns with HVLP low pressure or RP high pressure technology. This helps to protect the environment and to reduce more than just solvent emissions. **Material savings**, too, create significant economic advantages.

Should you have any questions concerning application parameters for certain coating materials, please feel free to contact us.



Classification and function

Automatic spray guns (A):

- For the use on painting automats
- Manual adjustment of round and flat fan with the adjustment screw
- Adjustable material flow rate which can be also reproduced with the help of a detent

Robotic spray guns (ROB):

- For the use on robotic painting systems
- Fully automatic, continuous adjustment of fan geometry via external control
- Can be integrated into existing control and application systems
- Material flow rate can be externally controlled

SATAjet 3000 – for top notch finishes

High performance spray guns with finest atomisation for efficient serial production in all industry segments.

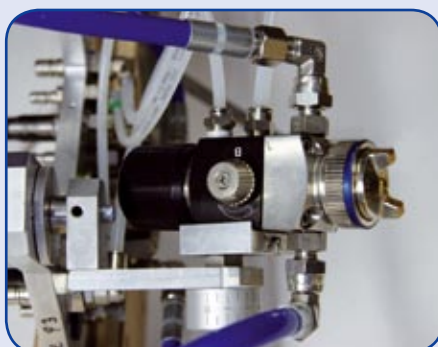
According to the field of application and the used materials, various atomisation technologies are available.

HVLP – the "Super Saver"

- **Perfect finishes** with all materials for top notch results
- Homogeneous spray fan with **maximum transfer efficiency** due to innovative nozzle technology
- Unmatched in terms of profitability – highest material transfer rate due to HVLP low pressure technology

RP – the "Super Fast"

- Efficient in optimised RP high pressure technology
- **Extremely high transfer efficiency**
- **Suitable for paint jobs where high application speed is required**



SATAjet® 3000 A™ HVLP



SATAjet® 3000 ROB™ HVLP



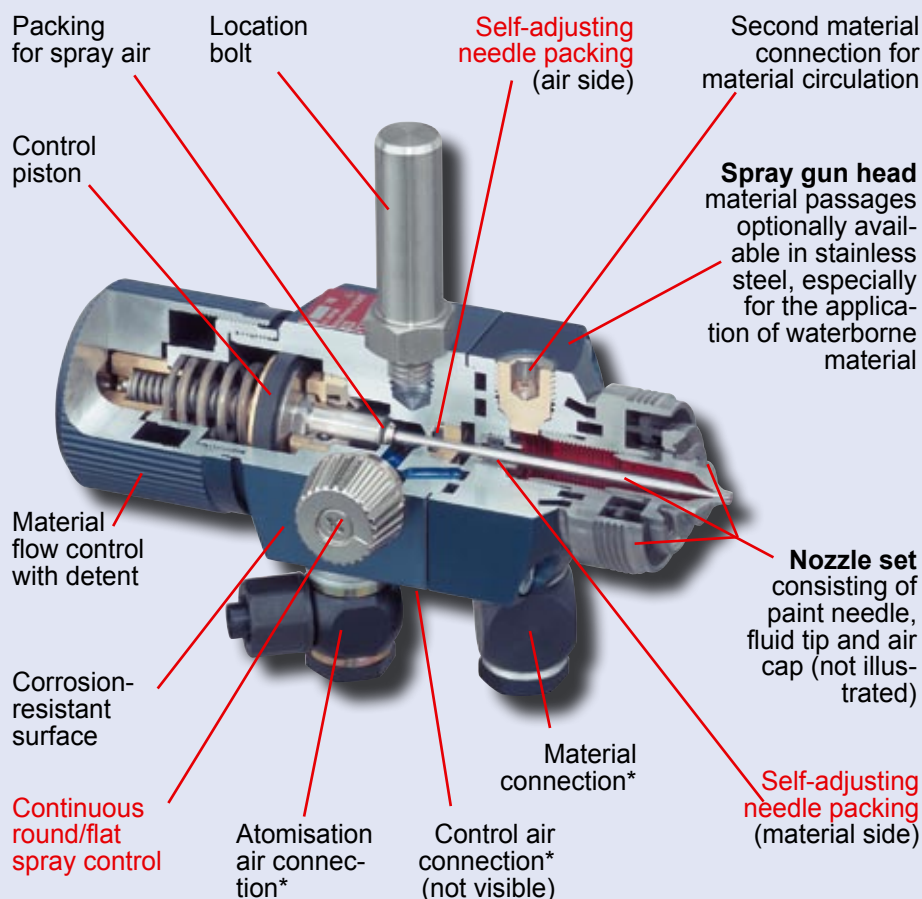
SATAjet® 3000 A™ RP®



SATAjet® 3000 ROB™ RP®

spray guns for automated coating processes

Cutaway model of a SATAjet 3000 A HVLP

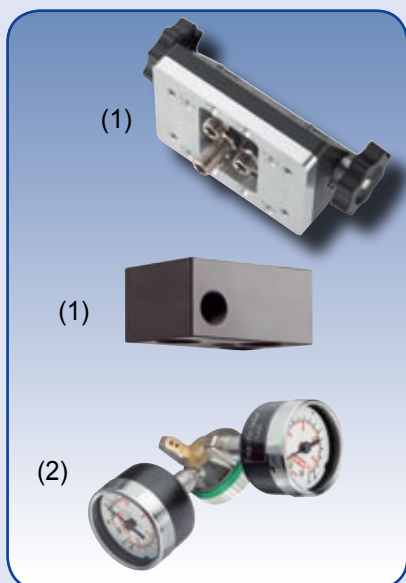


Technical data:

- Air consumption: approx. 560 NI/min at 4 bars
- Operating pressure: 4 – 4.5 bars
- Required atomisation air supply line: min. Ø 8 mm
- Required minimum control air: 3 bars
- Max. permissible air pressure: 4 bars
- Max. permissible material pressure: 5 bars
- Max. material temperature: 80° C
- Material connection*: G ¼ int.
- Atomisation air connection*: G ¼ int.
- Control air connection*: G ¼ int.
- Fluid adjustment: 1.0 mm needle lift/rotation of screwing cap or 0.04 mm/notch
- Ø location bolt 15 mm
- Total weight without connections: 680 g
- Length: 151 mm
- Width/Height (without bolts): 75/45 mm

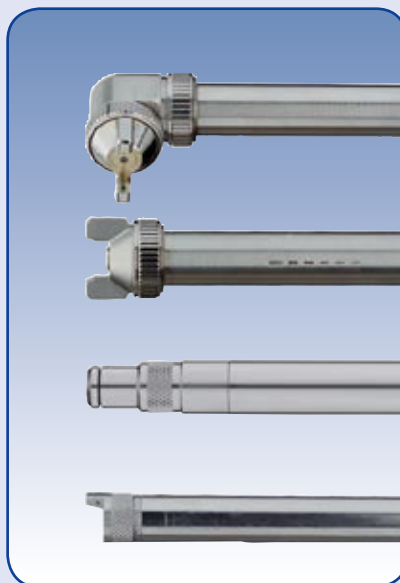
* not included in scope of delivery

Quick change adapters and test air caps



To ensure a trouble-free manufacturing process, for example during maintenance and cleaning breaks, various **quick change adapters (1)** are available. To reproduce atomisation parameters, special **test air caps (2)** are available.

Extensions for SATA LP LM 2000



Various extensions ranging from 20 cm up to 300 cm length for special applications, such as **interior coating of tubes, profile coatings or radiator coatings**, are available upon request.

Material supply systems



A range of **efficient pump systems** for the material supply of automatic spray guns in both low and high pressure technology as well as universal paint pressure tanks ranging from 2 up to 48 l volume are available.

Special versions for complex applications

The Multi Talent

For universal use

Versatile, pneumatically controlled automatic paint spray gun for **almost all coating applications**.

With their large variety of available nozzle sizes, extensions of up to 3 meters and special versions, SATA automatic guns are the ideal solution, **such as e. g. the LPS RB 2000 RP marking gun to mark scrap parts.**



SATA® LPS™ RB 2000 RP®



SATA® LP™ LM™ 2000 RP®

Air-assisted airless versions

For high-efficiency material application

With its large variety of available material nozzles, the SATAjet 3000 A spray mix is the perfect automatic gun for all types of objects which particularly convinces with its low overspray emission and optimised material consumption.

Ideal for coating large metal and plastic parts or wooden surfaces.



SATAjet® 3000 A™ spray mix™

Precision en miniature

For practice-oriented special solutions

The SATAminijet 3000 A HVLP features smallest dimensions, low weight and finest atomisation and therefore perfectly lends itself for the use in industrial applications.

The HVLP low pressure technology allows transfer rates which significantly exceed 65 %.

This filigree miniature paint spray gun can be used in **numerous fields of application, including the application of separating agents.**

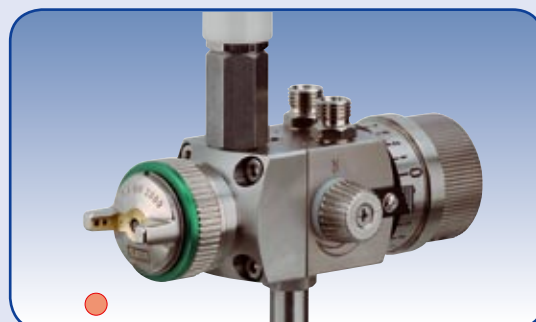


SATAminijet® 3000 A HVLP

SATA lab test spray guns

For extremely sensitive colour examinations, production of first-run samples and lab applications

The SATAjet 3000 LAB features numerous scalable adjustment parameters, such as needle stroke and round fan adjustment, to ensure **maximum repeatability of required finishes** in the paint as well as other industries. To secure highest manufacturing standards, each lab test spray gun is supplied with an individual **test protocol**. Available as HVLP or RP version.



SATAjet® 3000 LAB™ HVLP

Should you require any further information, please contact us by telephone or E-mail.



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