SATA® Catalogue for Industrial Equipment

German Engineering

Spray Guns | Breathing Protection | Air Filtration | Accessories

# Catalogue for Industrial Equipment

# Quick Finder

# Quick Finder

## Breathing Protection



## Filter Technology



## Material supply



## Accessories | Hoses



## Accessories | Colour Shade Determination / Check



## Grid blasting / Rustproofing

# General Information

## Technical Information

As most systems use quick couplings, SATA spray guns are always supplied with air inlet 1/4" male thread without hose coupling

## Terms of Delivery

All indicated prices are ex works. They exclude packaging, freight, shipment and insurance cost. The general terms and conditions of delivery and payment apply exclusively. They can be viewed at www.sata.com/LZB.
We reject any contradicting terms and conditions of purchase. A flat-rate surcharge of 6.50 Euro is made for deliveries to an address that deviates from the customer's business address.

## Prices

All prices in this list are recommended prices only and will be valid for the indicated period of time. All prices are quoted exclusive of VAT. We reserve the right to change prices at any time and without prior notification.

## Small Order Policy

Small orders with a merchandise value of less than 240.00 Euro (list price without VAT) will be invoiced gross for net. Minimum invoice amount: 50.00 Euro (without VAT).

## Exchange/Return

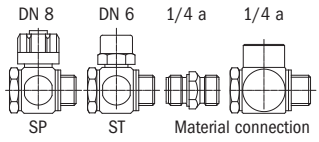
We only accept return and exchange of products upon prior written authorisation by SATA. Goods for refund must be returned in unused, pristine condition and in their original packaging. Outdated, used or damaged parts will not be accepted for return. For the return of products which have been incorrectly ordered, or for other reasons which we cannot be held responsible for, a charge of 20 % of the nett purchase price will be levied to cover inspection and administrative costs. A handling charge will apply in any case minimum 40,00 € for each transaction

**Errors, technical modifications and printing errors reserved.**

## Structure of the catalog sheets (from page 20)

**SATAjet 3000 A HVLP**

| ① Nozzle | 0,5 | 0,8 | 1.0 | 1.2 | 1.6 | 2.0 |
|---|---|---|---|---|---|---|
| **Standard version** (aluminium anodised) ② | | | | | | |
| Art. No. ③ | – | 94441 | 94458 | 124602 | 124594 | 124545 |

| Connection kit | | Euro |
|---|---|---|
| 144667 ③ | Connection kit for SATAjet 3000 A, jet 1000 A, minijet 3000 A ⑦ |  |



| Caption: | | | |
|---|---|---|---|
| ① | Nozzle size | ⑦ | Article number |
| ⑦ | Article description | | |

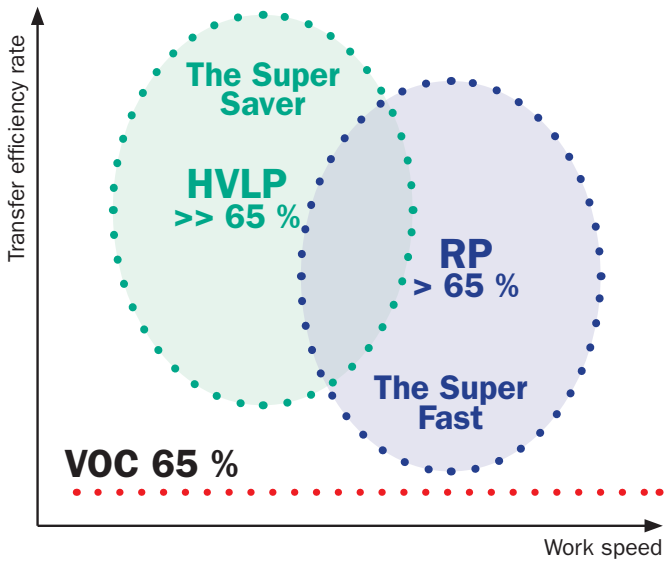
# Premium quality finishes

Apart from functional aspects and corrosion protection requirements, high-quality finishes also have to meet highest demands in terms of colour match precision, brilliance, colour effects, material distribution and gloss. Best possible conditions must be ensured, in order to achieve high application security in the industrial coating process and to avoid expensive rework. Due to a wide array of different materials being applied, such as adhesives, paints, release agents, functional coatings etc., the selection of the right nozzle technology is paramount.

## Technology of SATA spray guns

SATA spray guns, whether hand-held or automatically controlled, not only meet the demand for premium quality finishes, they are also first choice in terms of reliability, durability and ergonomics. As a matter of fact, they exceed the transfer efficiency rates of 65 % required by VOC legislation. Most spray guns are available in two versions:

**HVLP:** Due to the low pressure technology, HVLP nozzle systems achieve especially high transfer rates.
**RP:** The optimised high pressure technology allows maximum work speed with VOC-compliant transfer rates and flexible handling.




## Available nozzle systems for SATA spray guns:

- SATA nozzle systems are based on the combination of individual components matched to each other:
  - Air cap
  - Fluid tip
  - Paint needle

- **Each individual SATA nozzle set** consists of manually fine-tuned nozzle components laying the basis for finishes meeting highest possible quality standards.
- The selection of the correct nozzle size is depending on the paint material being used and the application requirements.
- Please check the specific nozzle recommendations for your paint system at www.sata.com/paintapplicationcharts or on the material data sheet of the paint manufacturer.

## Meaning of the Symbols:

HVLP RP — VOC-compliant atomisation technology – optionally available as HVLP low pressure or RP optimised high pressure technology

QUICK 1-TURN — Quick air cap change with one turn only

ADAM 2 COMPATIBLE — Innovative and versatile digital retrofit air micrometer

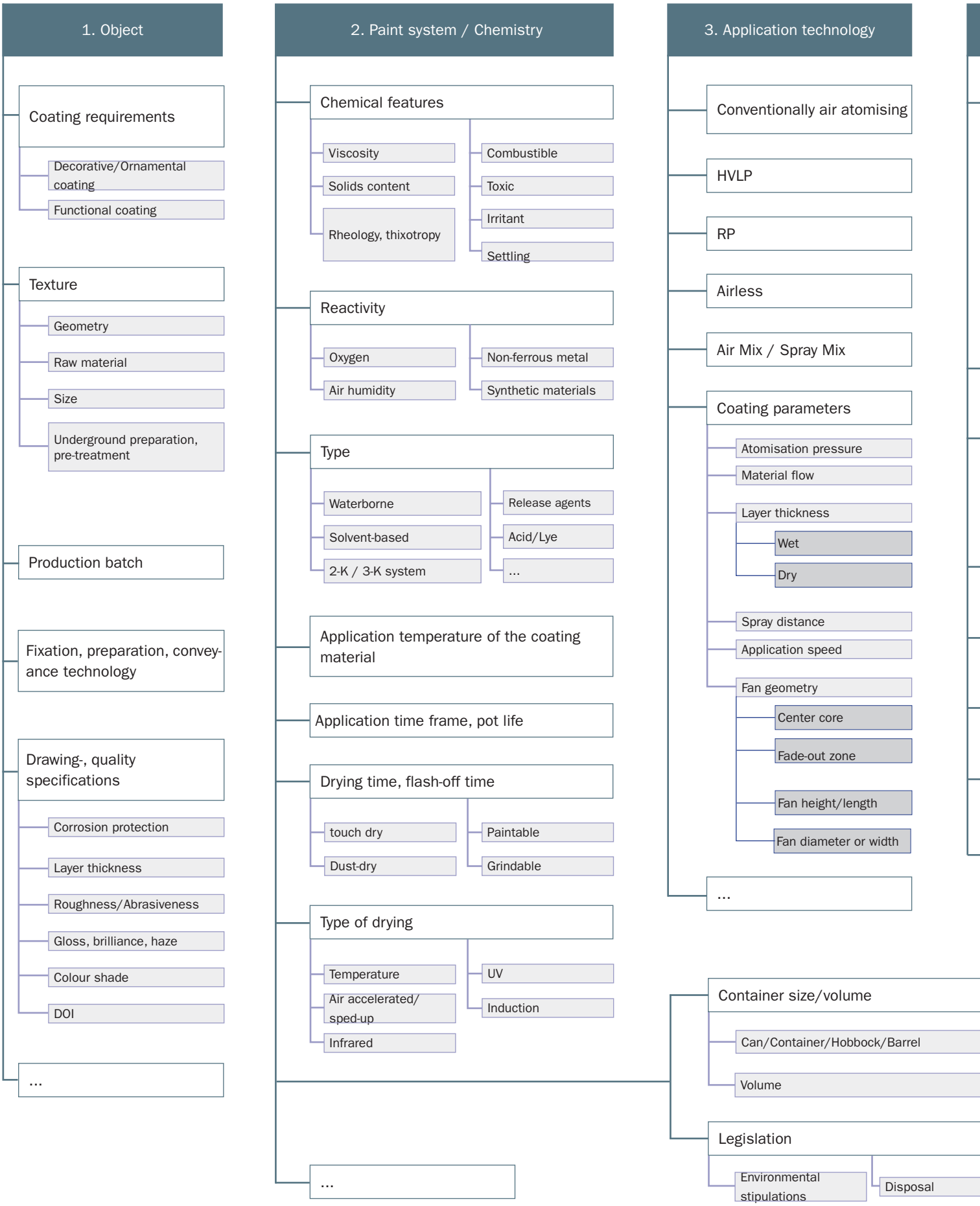
CCS — For the convenient identification of your spray gun

1+2=3 PREMIUM WARRANTY — Top quality is not enough – we guarantee it: for three years

INTERNAL CONTROL — Internal control means that the spray gun is equipped with an internal control for pre and post air activated by a pneumatic"On/Off" impulse.

EXTERNAL CONTROL — External control means that all adjustment and control functions are operated via an external control in the control unit.

# Basic conditions for the optimum coating solution (wet application)



## 4. Currently used or intended coating technology

- Coating machine
  - Surface coating machine
  - Chain-type coating machine
  - Lifting device
  - Automatic gun
    - Externally controlled
    - Internally controlled
- Robotic system
- Hand painting
  - Spray test wall
  - Spray booth
- Explosion protection document
- Pig trap system
- Colour change system
- Cleaning
- ...

## 5. Material supply

- Pressure tank
  - Material volume, refill option
  - Application pressure
  - Agitator
    - Agitator
    - Agitating energy
  - Stainless steel version
  - Galvanized
  - Flow rate measuring
- Low pressure diaphragm pump
  - Pump ratio
  - Pump capacity
  - Fields of application
    - Stainless steel version
    - Aluminium
    - Synthetic materials
- Low pressure piston pump
  - Pump ratio
  - Pump capacity
- Circulation
- 2-K dosage
  - Mechanical
  - Electronical
  - Manual
- Required material pressures considering the following:
  - Circuit length
  - Circuit cross section
  - Number of spray guns in use
- Material fine pressure regulator
  - Control accuracy
  - Raw material of material passages
  - Manually adjustable
  - Pneumatically adjustable

## 6. Compressed air supply

- Compressed air supply, distribution
  - Compressor
  - Air circuit system
- Air volume
  - Per user
  - Total
- Operating pressure
  - Per user
  - Total
- Hoses
  - DIN EN ISO 2398
  - Bursting pressure
  - Bleeder resistance
  - Temperature
  - Hose cross section
- Compressed air purification
  - Refrigerant type dryer, water separator
  - Sintered filter
  - Fine filter
  - Activated charcoal filter
- Air pressure, pressure regulator
  - Control accuracy, control position
  - Individual activation of each spray gun
- Circuit length, circuit cross sections
  - Supply lines
  - Series supply
  - Individual supply
  - Air circuit
- ...

## 7. Work safety

- Evaluation and implementation of legal instructions and measures concerning work safety
  - EU Directive 2014/34
  - EU Directive 2016/425 Personal Protective Equipment
  - DGUV 109-013
  - DGUV 112-190
  - DIN EN 14594 class 3B
  - VDI Guideline 3456 Reduction of emissions

# Selection guide for Automatic/ROB Spray Guns

| | | SATAjet® 3000 A | | SATAjet® 3000 ROB | | SATAjet® 1800 M | | SATAjet® 1000 A |
|---|---|---|---|---|---|---|---|---|
| | Gun type |  | |  | |  | |  |
| PERFORMANCE FEATURES | Atomisation technology (RP/HVLP) | HVLP | RP | HVLP | RP | HVLP | RP | RP |
| | Internal control | ✓ | ✓ | -- | -- | ✓ | ✓ | ✓ |
| | External control | -- | -- | ✓ | ✓ | ✓ | ✓ | -- |
| | * spray fan size in cm | 22 – 34 | 22 – 40 | 31 – 33 | 22 – 40 | 30 – 35 | 24 – 37 | 24 – 37 |
| | * Material flow in g/min | 150 – 700 | 100 – 900 | 300 – 400 | 400 – 500 | 200 – 800 | 150 – 1000 | 150 – 1000 |
| | ** Air consumption in Nl/min at 2.5 bar | 450 | 400 | 450 | 450 | 530 | 410 | 440 |
| | Material circulation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Optional: Extensions | -- | -- | -- | -- | ✓ | ✓ | ✓ |
| FIELDS OF APPLICATION | externally controlled systems | -- | -- | ✓ | ✓ | ✓ | ✓ | -- |
| | Robotic painting systems with adjustment of the spray parameters on the spray gun | ✓ | ✓ | -- | -- | ✓ | ✓ | ✓ |
| | Marking applications, component marking | -- | -- | -- | -- | -- | -- | -- |
| TECHNICAL DATA | Spray gun weight in g | Standard: 780<br>Stainless steel: 990 | | Standard: 490<br>Stainless steel: 690 | | According to configu-ration<br>(from page 16 following) | | Standard: 780<br>Stainless steel: 990 |
| | Spray gun length in mm | 147 | | 127 | | 130 (ohne Mengenreg.) | | 147 |
| | Width x height in mm | 45 x 45 | | 45 x 45 | | ø 40 (ohne Steuermodul) | | 45 x 45 |
| | Air cap fixation | 45° | | | | | | |
| | Nozzle variety | HVLP: 0.5; 0.8; 1.0; 1.2; 1.6; 2.0 | | | | from page 16 following | | RP: 0.8; 1.1; 1.3; 1.5; 2.0; 3.0 |
| | | RP: 0.5; 0.8; 1.1; 1.3; 1.5; 2.0 | | | | from page 16 following | | |
| | Standard version Anodised aluminium | ✓ | | ✓ | | ✓ | | ✓ |
| | Stainless steel version | ✓ | | ✓ | | ✓ | | ✓ |
| | Connection thread Material inlet/-outlet (MV), control air (St), atomisation air (SP) | G 1/4"<br>female thread | | G 1/4"<br>female thread | | see technical data from page 16 following | | G 1/4"<br>female thread |
| | Optional: Quick change adapter | A | | ROB | | Steuermodul | | A |
| Selection criteria \| Product advantages | Coating requirements | For highest requirements in terms of brilliance, material distribution, colour match precision and gloss. | | | | Universal application requirements | | |
| | Use/Application of waterborne and/or abrasive paint systems and materials | Optionally available as stainless steel version | | | | | | |
| | Control/Adjustment | Manual adjustment of round and flat fan as well as material quantity | | External adjustment of round and flat fan as well as material quantity | | Control and adjustment in description from page 14 following | | Manual adjustment of round and flat fan as well as material quantity |
| | | Internally controlled Pre and Post air, i.e. no external control valve required | | Atomisation air<br>Continuous air flow | | | | Internally controlled Pre and Post air, i.e. no external control valve required |

* **Material flow rate and fan size** are approximate values and depend on the nozzle size used. these values have been determined using paints with a viscosity between 17 and 24 sec. DIN 4, material pressure 0.6 – 0.9 bar and atomisation pressure 3.5 – 4.5 bar (exact values have to be determined with the respective operating parameters and paint materials).

** **Air consumption** is only an approximate value and is depending on the nozzle size; pressure measured at spray gun inlet.

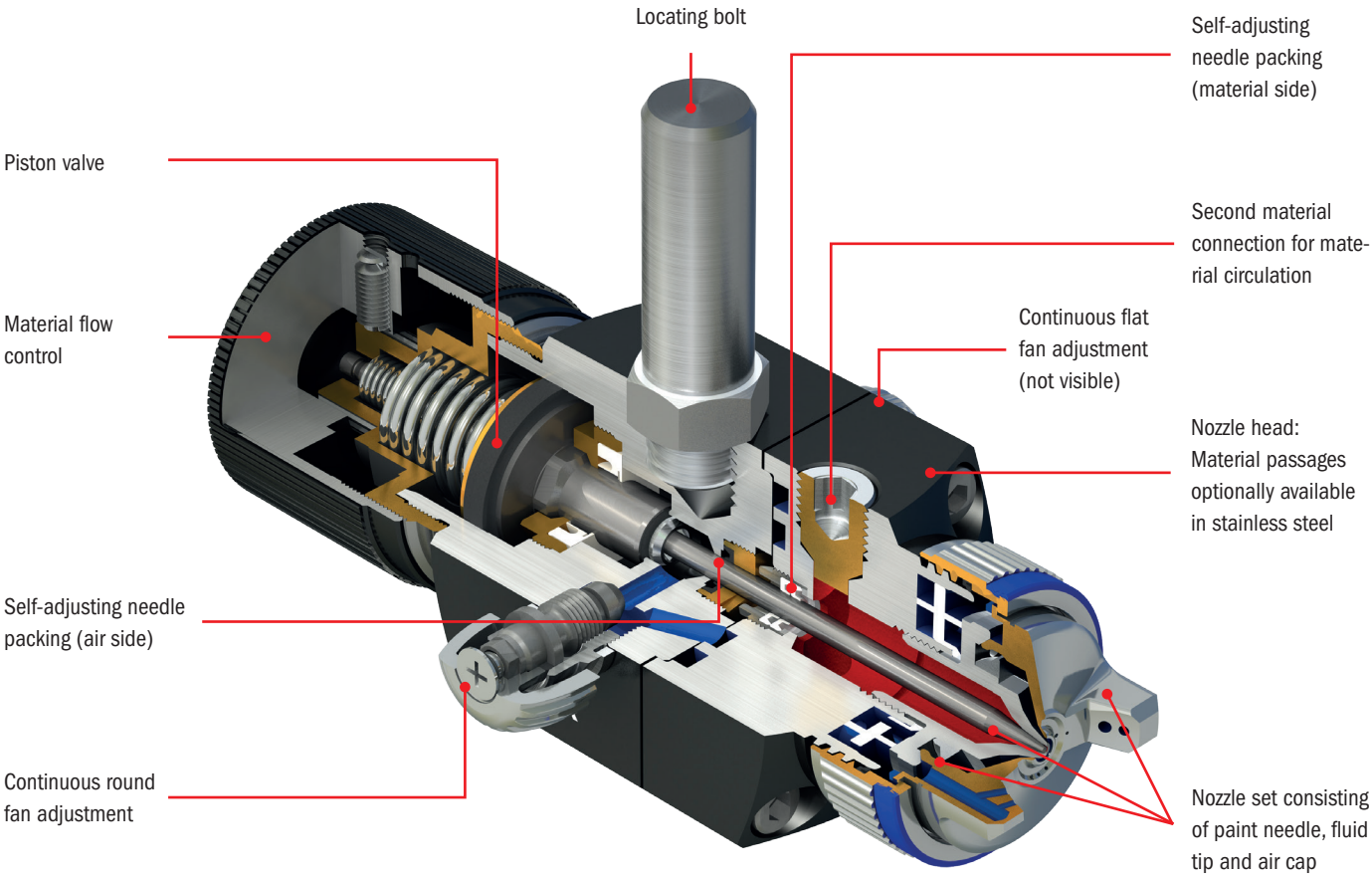
| SATAminijet® 1000 A | | SATAminijet® 1000 ROB | | SATAminijet® 1000 A S | SATA LPS 2000 | SATAjet® 3000 A spray mix | Lab test spray guns |
|---|---|---|---|---|---|---|---|
|  | |  | |  |  |  |  |
| **HVLP** | **RP** | **HVLP** | **RP** | **HVLP** | **RP** | spray mix | See product page |
| ✓ | ✓ | -- | -- | -- | -- | ✓ | ✓ |
| -- | -- | ✓ | ✓ | ✓ | ✓ | -- | ✓ |
| 16 – 27 | 13 – 27 | 22 – 27 | 22 – 26 | 16 – 27 | 24 – 27 | Depending on material nozzle | Depending on nozzle set |
| 60 – 170 | 60 – 250 | 100 – 160 | 60 – 200 | 60 – 170 | 170 – 760 | | |
| 170 | 195 | 150 | 220 | 200 | 200 | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| -- | -- | ✓ | ✓ | -- | -- | -- | ✓ |
| ✓ | ✓ | -- | -- | ✓ | ✓ | ✓ | ✓ |
| -- | -- | -- | -- | -- | ✓ | -- | -- |
| Standard: --<br>Stainless steel: 915 | | Standard: --<br>Stainless steel: 620 | | Standard: 520<br>Stainless steel: -- | Standard: 525<br>Stainless steel: -- | Standard: 625<br>Stainless steel: 835 | Depending on the model execution |
| 147 | | 125 | | 125 | 127 | 145 | |
| 45 x 45 | | 45 x 45 | | 35 x 35 | 35 x 35 | 45 x 45 | 45 x 45 |
| -- | | -- | | -- | -- | -- | 45° |
| HVLP: 0.3; 0.5; 0.8; 1.0; 1.2 | | HVLP: 0.3; 0.5; 0.8; 1.0; 1.2 | | | RP Round/flat fan: 0.5; 0.8; 1.3; 2.0<br>RP round fan: 0.5; 0.8 | Depending on the model version (see pages with details) | Depending on the model version (see pages with details) |
| RP: 0.3; 0.5; 0.8; 1.0; 1.2 | | RP: 0.3; 0.5; 0.8; 1.0; 1.2 | | | | | |
| -- | | -- | | ✓ | ✓ | ✓ | -- |
| ✓ | | ✓ | | -- | -- | ✓ | ✓ |
| G 1/4"<br>female thread | | G 1/4"<br>female thread | | MV / St G 1/4"<br>SP G 3/8"<br>each male thread | MV / St G 1/4"<br>SP G 3/8"<br>each male thread | G 1/4"<br>female thread | G 1/4"<br>female thread |
| A | | ROB | | -- | -- | -- | -- |
| Finest atomisation for small surfaces | | Finest atomisation for small surfaces | | | Defined edge marking, high frequency | Atomisation air supported air mix/spray mix technology | Colour tone and paint batch control in laboratories |
| Optionally available as stainless steel version | | | | -- | -- | Airless technology/max. material pressure range up to 250 bar | Scalable and reproducible adjustment parameters |
| Manual adjustment of round and flat fan as well as material quantity | | External adjustment of round and flat fan as well as material quantity | | Manual adjustment of round and flat fan as well as material quantity | | High surface efficiency with low overspray | Gravity flow cup version with suction nozzle technology |
| Internally controlled Pre and Post air, i.e. no external control valve required | | Atomisation air Continuous air flow | | Atomisation air continuous flow | | Internally controlled Pre and Post air, i.e. no external control valve required | |

* **Material flow rate and fan size** are approximate values and depend on the nozzle size used. these values have been determined using paints with a viscosity between 17 and 24 sec. DIN 4, material pressure 0.6 – 0.9 bar and atomisation pressure 3.5 – 4.5 bar (exact values have to be determined with the respective operating parameters and paint materials).

** **Air consumption** is only an approximate value and is depending on the nozzle size; pressure measured at spray gun inlet.

# Cutaway model SATAjet 3000 A (internally controlled)

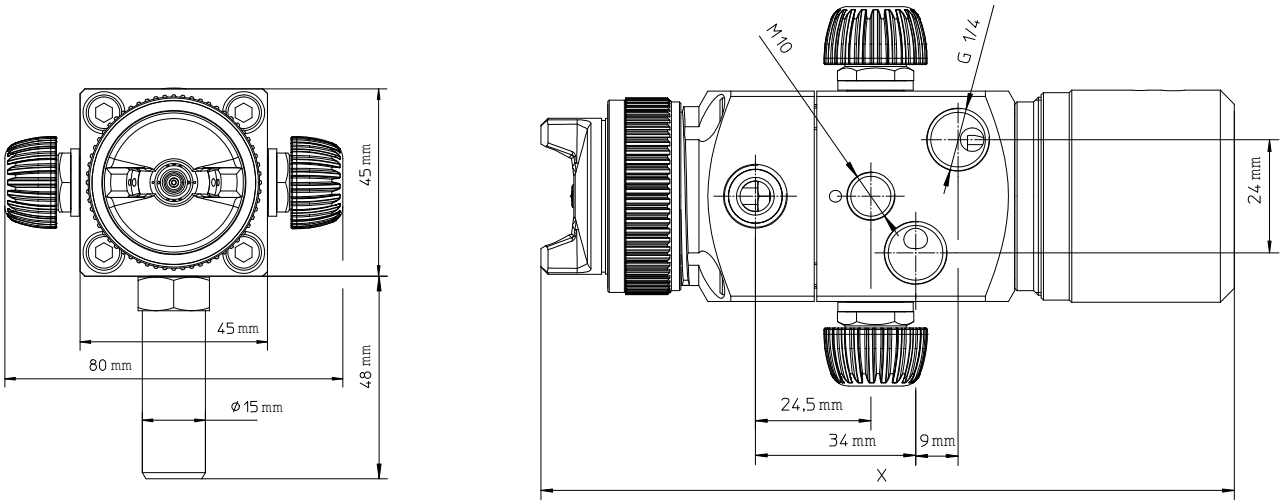
INTERNAL CONTROL




INTERNAL CONTROL

**Internal control** means that the spray gun is equipped with an internal control for pre and post air activated by a pneumatic"On/Off" impulse.

## Dimensions of automatic spray guns




| Connection | Thread/Hose/Pressure |
|---|---|
| Material connection | G 1/4" (female thread) |
| Atomisation air connection | |
| Control air connection | |

| Dimension x | Length |
|---|---|
| SATAjet 3000 A RP/HVLP | 147 mm |
| SATAjet 1000 A RP/HVLP | 147 mm |
| SATAminijet 1000 A RP/HVLP | 147 mm |
| SATAjet 3000 A spray mix | 138 mm |

# Cutaway model SATAjet 3000 ROB (externally controlled)

EXTERNAL CONTROL

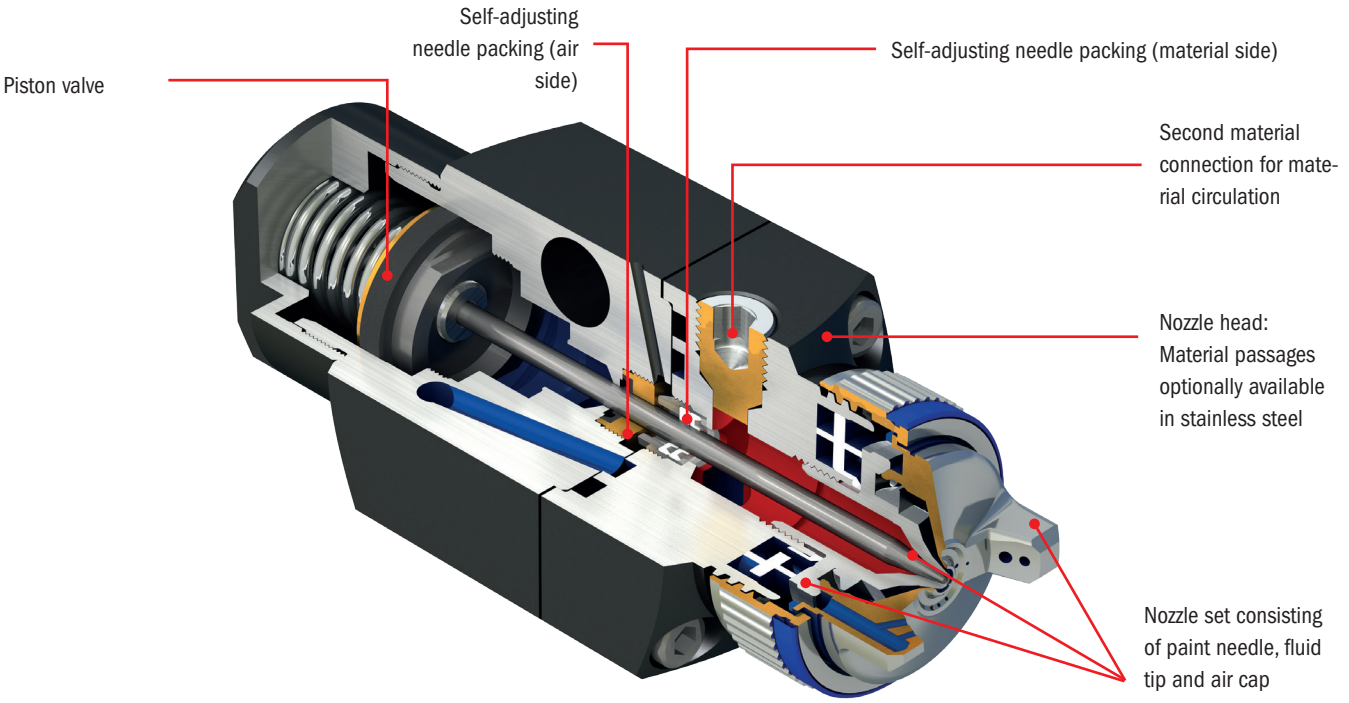
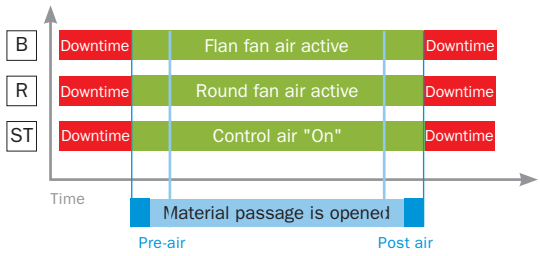



**Illustration of pre- and post air delay with SATAjet ROB spray guns**

**Control air impulse ON**
- ▶ Paint needle is fully opened
- ▶ Material passage is opened




**Control air impulse OFF**
(Quick ventilation of control circuit)
- ▶ Paint needle spring pushes air piston and paint needle back into original position
- ▶ Material passage locked

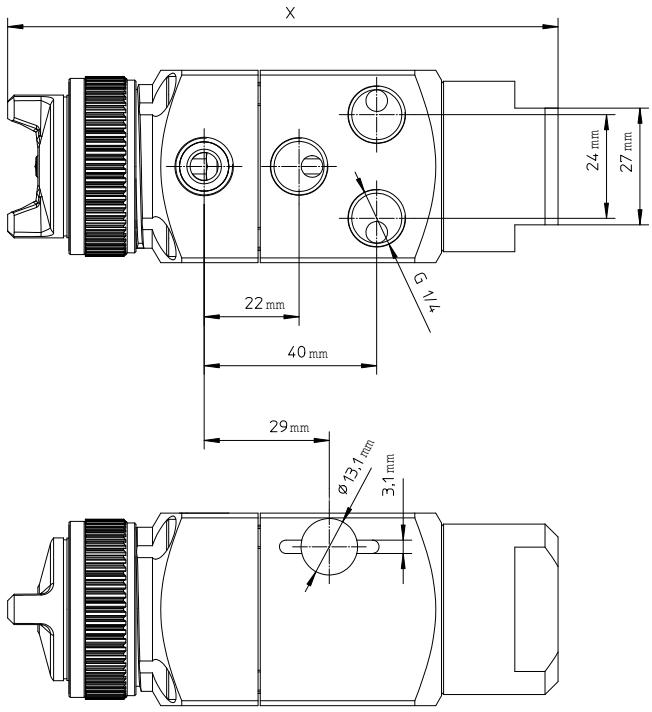
EXTERNAL CONTROL

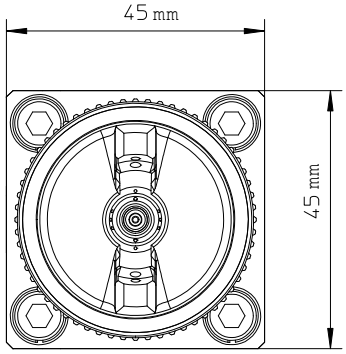
**External control** means that all adjustment and control functions are operated via an external control in the control unit.

## Dimensions of ROB spray guns

| Dimension x | Length |
|---|---|
| SATAjet 3000 ROB RP/HVLP | 127 mm |
| SATAminijet 1000 ROB RP/HVLP | 125 mm |

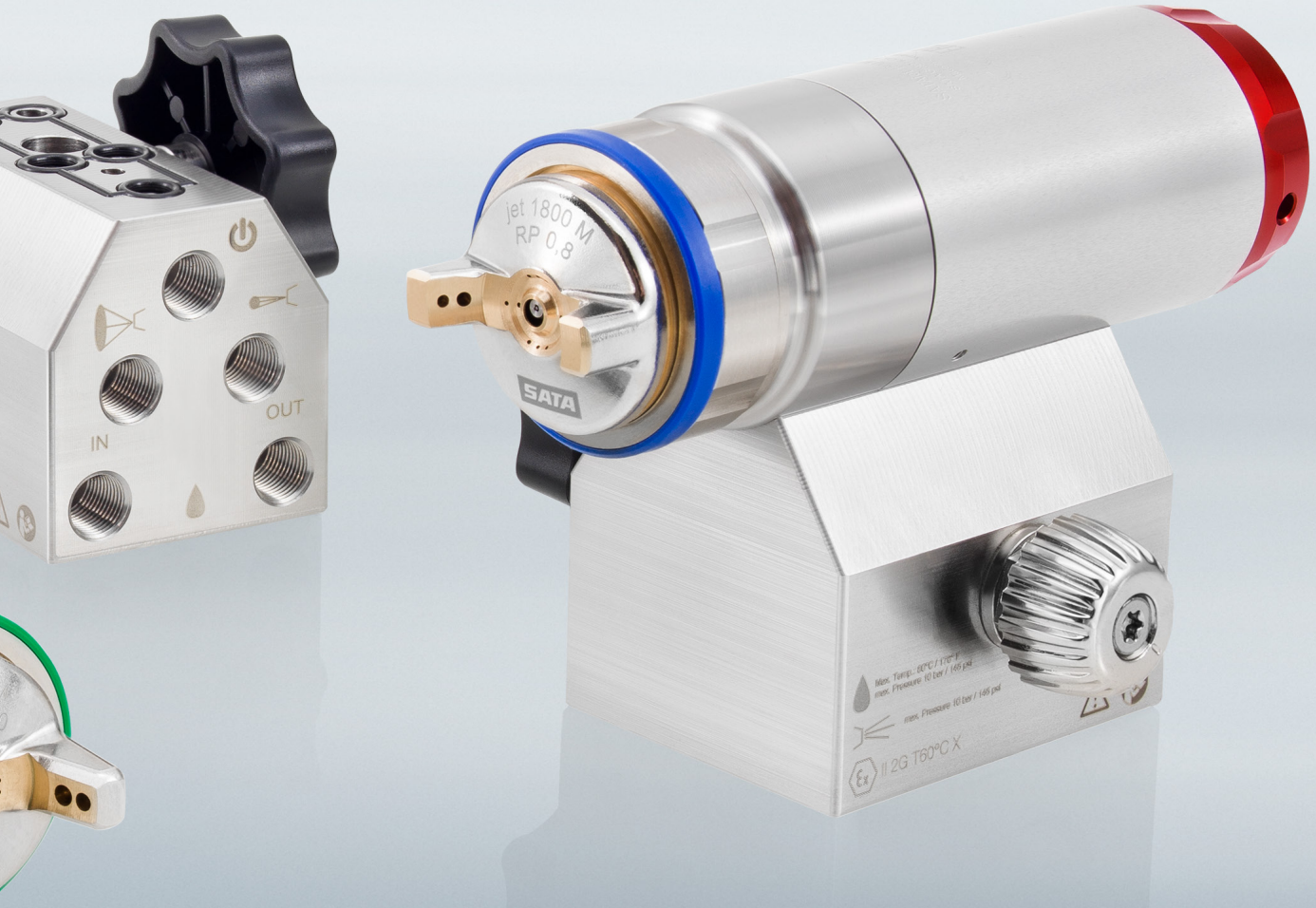
| Connection | Thread/Hose/Pressure |
|---|---|
| Material connection | G 1/4" (female thread) |
| Atomisation air connection | |
| Control air connection | |




SATA

# Spray Guns



# SATAjet®1800 M™

An almost countless number of different applications using many different coating materials requires customised solutions.

In case of automated coating processes in paint application systems, the automatic spray gun is the last but decisive element in a long chain of factors and requirements for a perfect finish result. The selection of the appropriate painting technology for wet paint finish is based on the requirements for the coating and on the existing or still to be created general conditions of the painting unit.

To meet the various challenges, SATA automatic spray guns can be individually and highly flexibly configured for the respective requirements.

## SATAjet 1800 M – Product Features


**Example:**
**Internal spray fan control** (Round/flat fan control for adjusting the spray dimension on the control module)
**Connection type:** Rear connection (supply lines for air and material are mounted on the back of the control module)
**Circulation:** Material circulation via control module and nozzle

- Versions for external control via paint supply system
- Internal control via integrated round/flat fan control
- Versions with or without circulation (Circulation/Non-Circulation)
- Material passages made of anodised aluminium or stainless steel
- Depending on the installation requirement, supply connections are either located on the back or at the bottom (Rear or Bottom Connection)
- The spraying module can be exchanged via quick change adapter (hand wheel)

# SATAjet®1800 M™

## Control and performance

To meet the various requirements for the implementation of an automatic spray gun into plant engineering, the modular design makes it possible to flexibly adjust the control module or the connection adapter to the ideal mounting situation. Furthermore, the material in the material passages is configurable.

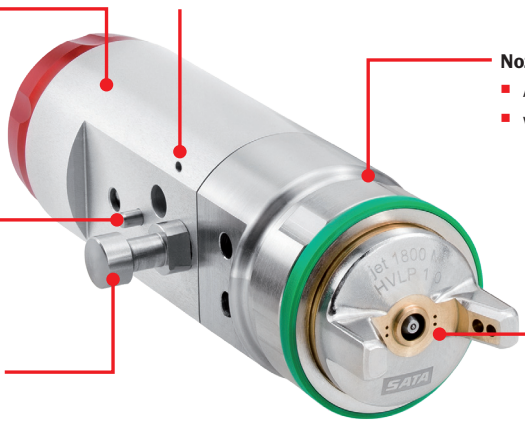
## Spray technology + nozzle system

The entire range of the nozzle system is based on the SATAjet 1000 series and can be individually adjusted according to the coating requirements and the paint material. A lifetime prolonging version for the application of abrasive paint material is optionally available with a selected number of combinations.

## Control modules

| **Control module with rear connection, internal**<br>Rear side connection of spray and control air as well as material inlet and outlet / round/ flat fan adjustment internal (adjustable at control module) | **Control module with rear connection, external**<br>Rear side connection of round and flat fan air, control air as well as material inlet and outlet | **Control module with underside connection, external**<br>Connection of round and flat fan air, control air as well as material inlet and outlet underneath |
|---|---|---|
|  |  |  |

## Spray module



**Leakage drilling**
Indication for wear of paint needle sealing

**Control section**
Piston valve with wear-resistant sliding ring

**Nozzle head**
- Anodised aluminium or stainless steel
- with or without material circulation

**Fixing pin**
Exact fixation of spray module to control module

**Clamping bolt**
Fixation of spray module on the interface to the control module

**Nozzle system SATAjet 1000**
- Individual choice of nozzles
- Fixation of air cap with 45° steps
- QC air cap thread

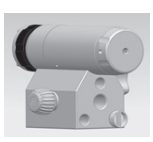
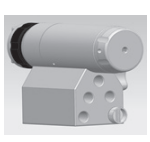
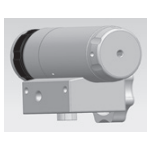
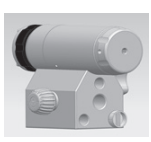
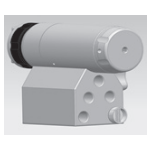
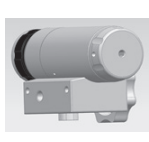
# SATAjet®1800 M™

## Modularity and configuration possibilities

### Nozzle selection and extended lifetime option:

| Technology | SATAjet 1800 M HVLP | Selection | SATAjet 1800 M RP | Selection | Extended lifetime option (paint needle and fluid tip with lifetime prolonging surface treatment) |
|---|---|---|---|---|---|
| Standard nozzles for paint application | 0,8 | ☐ | 0,8 | ☐ | ☐ |
| | 1.0 | ☐ | 1,1 | ☐ | ☐ |
| | 1.2 | ☐ | 1.3 | ☐ | ☐ |
| | 1.4 | ☐ | 1.5 | ☐ | ☐ |
| | 1.6 | ☐ | 1.7 | ☐ | ☐ |
| | 2.0 | ☐ | 2.0 | ☐ | ☐ |
| | | | 3.0 | ☐ | |
| | | | 4.0 | ☐ | |
| | | | 5.0 | ☐ | |
| Special application nozzles | Glue application | Solvent-based adhesives | D | ☐ | – |
| | | Dispersion adhesives | DA | ☐ | – |
| | | | DA-R (round fan) | ☐ | – |
| | Industrial paint systems | High-viscosity paint systems | HV 2,5 | ☐ | ☐ |
| | | | HV 3,0 | ☐ | ☐ |
| | | Functional coating systems, | IP 1,0 | ☐ | ☐ |
| | | | IP 1,3 | ☐ | ☐ |
| | | High-solid paint systems | 2,5 55 SK | ☐ | – |
| | | | 3,0 55 SK | ☐ | – |
| | | | 4,0 55 SK | ☐ | – |
| | Extensions | | without nozzle | ☐ | |

### Application-based selection of suitable spray and control module:

| Field of application | Anodised aluminium version | | | | | | Stainless steel version | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Control | **Internal control** (Round flat fan control to adjust fan pattern at the control module) | | **External control** (separate air passages for round and flat fan ➔ adjustment of the fan pattern via the unit control) | | | | **Internal control** (Round flat fan control to adjust fan pattern at the control module) | | **External control** (separate air passages for round and flat fan ➔ adjustment of the fan pattern via the unit control) | | | |
| Type of connection | **Rear connection** (air and material supply lines are connected on the back of the control module) | | **Rear connection** (air and material supply lines are connected on the back of the control module) | | **Underside-Connection** (air and material supply lines are connected on the bottom of the control module) | | **Rear connection** (air and material supply lines are connected on the back of the control module) | | **Rear connection** (air and material supply lines are connected on the back of the control module) | | **Underside-Connection** (air and material supply lines are connected on the bottom of the control module) | |
| Circulation | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** | **Circulation** (Material circulation via control module and nozzle head) | **Non-circulation** |
| |  | |  | |  | |  | |  | |  | |

# SATAjet®1800 M™

## Technical Data

| | Area | Symbol | Control module | | | | | | Spray module | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Control module rear connection circulation with round/flat regulation | | Control module rear connection circulation without round/flat regulation | | Control module underside connection circulation | | Standard nozzle system SATAjet 1800 RP | | Standard nozzle system SATAjet 1800 HVLP | |
| | | | Anodised alumin-ium | Stainless steel version | Anodised alumin-ium | Stainless steel version | Anodised alumin-ium | Stainless steel version | Anodised alumin-ium | Stainless steel version | Anodised alumin-ium | Stainless steel version |
| Weight, without connections | | | 342 g | 880 g | 337 g | 875 g | 186 g | 475 g | 375 g | 510 g | 375 g | 510 g |
| Required minimum control air pressure at inlet control module | Control air | | 43.5 psi | | 43.5 psi | | 43.5 psi | | | | | |
| Connection thread control air inlet | | | G1/8 female thread | | G1/8 female thread | | G1/8 female thread | | | | | |
| Hose cross section min. inner diameter | | | 4 mm | | 4 mm | | 4 mm | | | | | |
| Recommended minimum atomisation air pressure **at inlet control module round/flat fan** | Atomi-sation air round/ flat | | RP round/flat fan: approx. 3.5 bar HVLP round/flat fan: approx. 3.5 bar | | | | | | | | | |
| Connection thread atomiation air inlet | | | G1/4 female thread | | | | | | | | | |
| Hose cross section min. inner diameter | | | 6 mm | | | | | | | | | |
| Recommended minimum atomisation air pressure **at inlet control module round fan** | Atomi-sation air round fan | | | | RP round fan: approx. 2.5 bar HVLP round fan: approx. 2.0 bar | | RP round fan: approx. 2.4 bar HVLP round fan: approx. 1.7 bar | | | | | |
| Connection thread atomisation air inlet round fan | | | | | G1/8 female thread | | G1/8 female thread | | | | | |
| Hose cross section min. inner diameter | | | | | 6 mm | | 6 mm | | | | | |
| Recommended minimum atomisation air pressure **at inlet control module flat fan** | Atomi-sation air flat fan | | | | RP flat fan: approx. 2.4 bar HVLP flat fan: approx. 2.0 bar | | RP flat fan: approx. 2.2 bar HVLP flat fan: approx. 1.9 bar | | | | | |
| Connection thread atomisation air inlet flat fan | | | | | G1/8 female thread | | G1/8 female thread | | | | | |
| Hose cross section min. inner diameter | | | | | 6 mm | | 6 mm | | | | | |
| Air consumption | Nozzle tech-nology | | | | | | | | approx. 410 Nl/min (14.5 cfm) | | approx. 530 Nl/min | |
| Max. permissible compressed air operating pressure: | Com- | | 10 bar (145 psi) | | | | | | | | | |
| "Max. permissible operating temperature of the coating material:" | Mate-rial | | 80°C | | | | | | | | | |
| Maximum permissible operating material pressure: | | | 10 bar (145 psi) | | | | | | | | | |
| Hose cross section min. inner diameter | | | 6 mm | | 6 mm | | 6 mm | | | | | |
| Connection thread material inlet | | | G1/8 female thread | | G1/8 female thread | | G1/8 female thread | | | | | |
| Connection thread material outlet | | | G1/8 female thread | | G1/8 female thread | | G1/8 female thread | | | | | |
| Connection thread fixing bolt (accessory) | Acces-sory, fixation | | M8 | | | | | | | | | |
| Connection thread connection plate (accessory) | | | M6 | | | | | | | | | |
| Drilling for locating bolt connection plate (accessory) | | | 13 mm | | | | | | | | | |
| Connection thread for fixing flange | | | M6 | | | | M5 | | | | | |

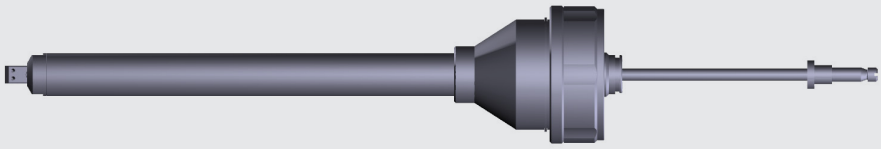
**Please note:**
The spray parameters for each paint job have to be determined using a test air cap to measure the atomisation pressure on the round and flat spray fan passages.
The indicated pressure values are approximative indications determined with standardised testing procedures and only represent recommendations for the initial setting of the atomisation air pressures which, however, require further fine-tuning for each paint job based on individual parameters such as material, fan size, spray distance, etc. as well as the specific requirements of the coating unit.

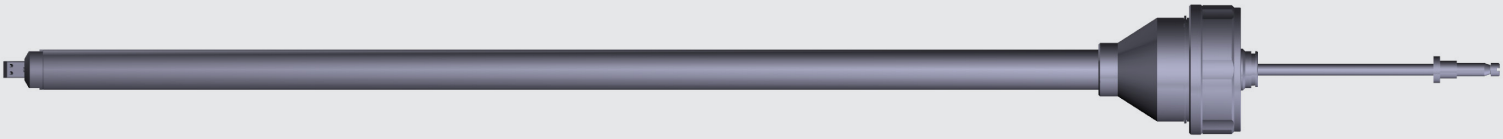
Design, length and dimensions of the installed air circuit are influencing factors which have to be considered as well.

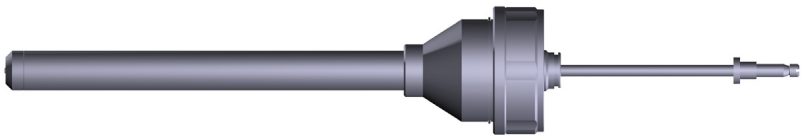
# Range of extensions for the SATAjet 1800 M

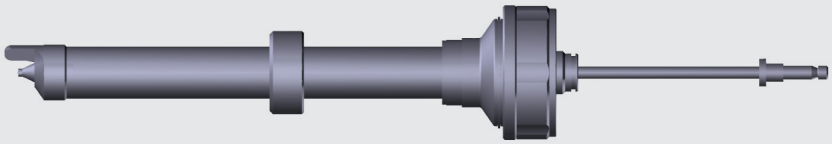
## Range of extensions for the SATAjet 1800 M:

| Article number | Working lenght | Type | Ø Air tube mm | Nozzle | Description |
|---|---|---|---|---|---|
| | 100 | Adjustable | 12 | 0,5 | Upon application |
| 1077355 | | | | 0,8 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 0.8, double horn drilling, length L=100, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077363 | | | | 1,0 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.0, double horn drilling, length L=100, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077371 | | | | 1,2 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.2, double horn drilling, length L=100, spray direction adjustable 45° [for SATAjet 1800 M] |
| | 200 | Adjustable | 12 | 0,5 | Upon application |
| 1077389 | | | | 0,8 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 0.8, double horn drilling, length L=200, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077404 | | | | 1,0 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.0, double horn drilling, length L=200, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077412 | | | | 1,2 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.2, double horn drilling, length L=200, spray direction adjustable 45° [for SATAjet 1800 M] |
| | 300 | Adjustable | 12 | 0,5 | Upon application |
| 1077420 | | | | 0,8 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 0.8, double horn drilling, length L=300, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077454 | | | | 1,0 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.0, double horn drilling, length L=300, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077462 | | | | 1,2 | Extension with adjustable diagonal nozzle (adjustable 20-90°), nozzle 1.0, double horn drilling, length L=300, spray direction adjustable 45° [for SATAjet 1800 M] |
| 1077488 | 100 | Round fan | 12 | 0,5 | Extension round nozzle (0° spraying forward, nozzle 0.5, length L=100 [for SATAjet 1800 M] |
| 1076381 | | | | 0,8 | Extension round fan nozzle (0° spraying forward), nozzle 0.8, length L=100 [for SATAjet 1800 M] |
| 1076399 | | | | 1,0 | Extension round fan nozzle (0° spraying forward), nozzle 1.0, length L=100 [for SATAjet 1800 M] |
| 1076646 | | | | 1,2 | Extension round fan nozzle (0° spraying forward), nozzle 1.2, length L=100 [for SATAjet 1800 M] |
| | 100 | Diagonal spray fan pattern, rotatable | 15 | 0,5 | Upon application |
| 1051416 | | | | 0,8 | Extension with diagonal nozzle (30°), nozzle 0.8, length L=100, swiveling, spray direction adjustable 45° [for SATAjet 1800 M] |
| | | | | 1,0 | Upon application |
| 1068726 | | | | 1,3 | Extension with diagonal spray nozzle (30°), nozzle 1.3, nominal length L=100, swiveling, spray direction adjustable 45° [for SATAjet 1800 M] |









# SATAjet® 3000 A RP®

1+2=3 PREMIUM WARRANTY · QUICK 1-TURN · HVLP RP · INTERNAL CONTROL

## SATAjet 3000 A RP

| Technical Data | | | |
|---|---|---|---|
| Internally controlled automatic spray gun for high performance coatings | Air consumption at 2.5 bar: 400 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 4.0 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible material temperature: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 780 g |
| | | Stainless steel: | 990 g |

| Nozzle | 0,5 | 0,8 | 1,1 | 1,3 | 1,5 | 2,0 |
|---|---|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | | | |
| Art. No. | 220376 | 94417 | 94425 | 94433 | 220384 | 220392 |
| **Standard version** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | |
| Art. No. | 168559 | 174060 | * | 196378 | * | 182378 |
| **Stainless steel version** | | | | | | |
| Art. No. | 165274 | 94466 | 94474 | 94482 | 143289 | 220400 |
| **Stainless steel version** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | |
| Art. No. | * | 181008 | 169011 | * | * | * |
| **Nozzle set** | | | | | | |
| Art. No. | 129924 | 94326 | 94334 | 94342 | 94359 | 131052 |
| **Nozzle set** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | |
| Art. No. | 168583 | 216887 | 171710 | * | * | * |

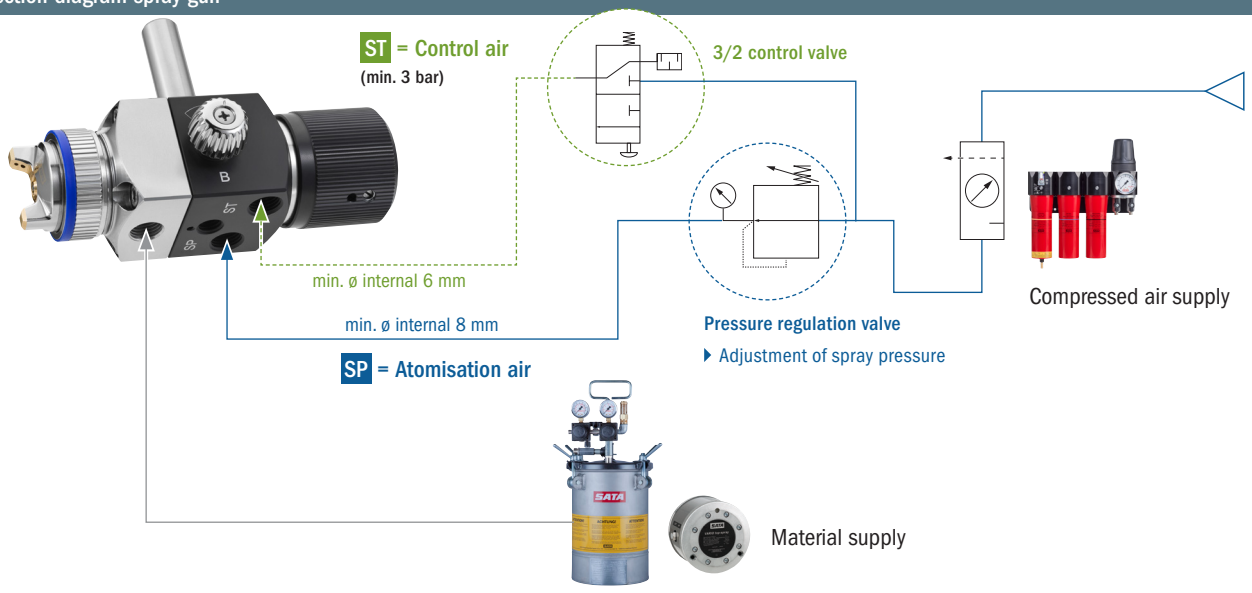
* available upon application

## Test air caps for setting the required spray parameters (reproducibility).

| | | |
|---|---|---|
| 135517 | Test air cap 0.8 - 1.5 with 2 pressure gauges, cpl. for SATAjet 3000 A RP and SATAjet 3000 ROB RP |  |

Connection kits, quick change adapters see pages 38 - 41.

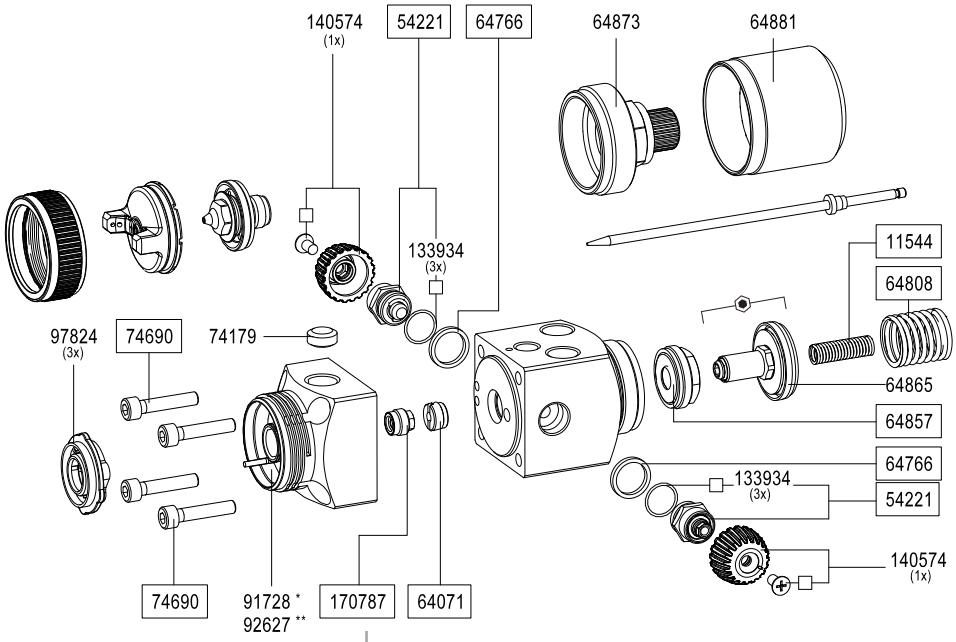
## Connection diagram spray gun

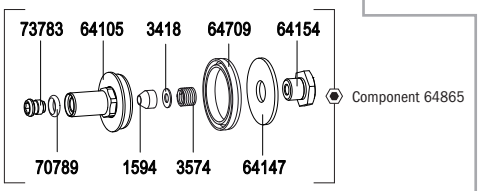


# Spare Parts SATAjet® 3000 A RP®

## Valid for spray guns produced as of 08/2014

| Art. No./Descr. |
|---|
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 11544<br>Pressure spring for paint needle |
| 14183<br>Tool kit |
| 54221<br>Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B |
| 64071<br>Seal retainer, cpl. air side |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 64873<br>Closing cap, cpl. |
| **64881**<br>Control cap for LP90, complete |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73783<br>Hexagonal socket head screw |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 80598<br>Seal retainer, cpl. with 2 sealings and metal ring |
| 91728*<br>Nozzle head, cpl. |
| 97824<br>Air distribution ring (3 pieces) |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 140574<br>Control knob with screw |
| 170787<br>Seal retainer, cpl. material side |
| **Differing components with stainless steel version:**<br>92627**<br>Nozzle head, cpl. stainless steel |



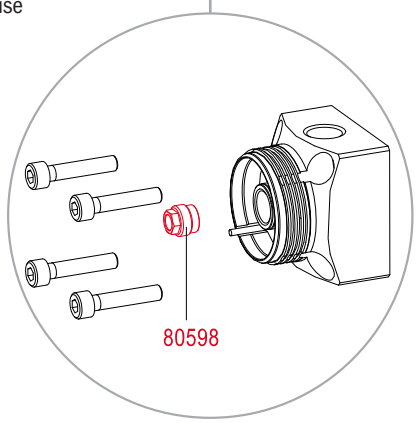

| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

| Art. No./Descr. |
|---|
| ☐ Included in repair kit<br>**217505**<br>**Repair kit** |

Select suitable spare parts for the version you use

* Standard (Aluminium)

** Stainless steel



# SATAjet® 3000 A HVLP

1+2=3 PREMIUM WARRANTY · QUICK 1-TURN · HVLP RP · INTERNAL CONTROL

## SATAjet 3000 A HVLP

| Technical Data | Air consumption at 2.5 bar: 450 Nl/min | | |
|---|---|---|---|
| Internally controlled automatic spray gun for high performance coatings | Atomisation air pressure on the spray gun: 2.5 bar - 4.5 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible material temperature: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 780 g |
| | | Stainless steel: | 990 g |

| Nozzle | 0,5 | 0,8 | 1,0 | 1,2 | 1,6 | 2,0 | 1,2 HM | 1,6 HM | 2,0 HM |
|---|---|---|---|---|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | | | | | | |
| **Art. No.** | * | 94441 | 94458 | 124602 | 124594 | 124545 | * | * | * |
| **Stainless steel version** | | | | | | | | | |
| **Art. No.** | 156604 | 94490 | 94508 | 124610 | 124552 | 124560 | * | * | * |
| **Stainless steel** with carbide nozzle set | | | | | | | | | |
| **Art. No.** | 1071141 | – | – | – | – | – | 179002 | * | * |
| **Nozzle set** | | | | | | | | | |
| **Art. No.** | 129916 | 94367 | 94375 | 129577 | 129700 | 129718 | | | |
| **Nozzle set** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | | | | |
| **Art. No.** | 1071141 | 203141 | 212209 | * | * | * | | | |
| **Nozzle set with** carbide fluid tip and paint needle | | | | | | | | | |
| **Art. No.** | – | – | – | – | – | – | 96776 | 96784 | |

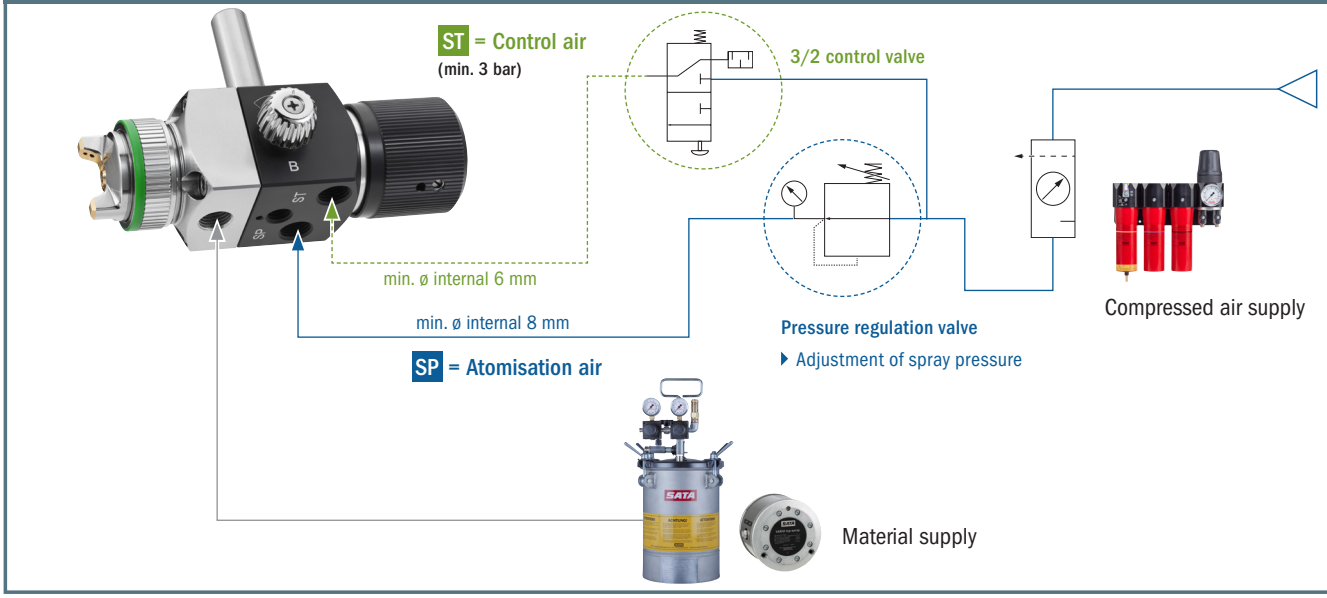
* available upon application

## Test air caps for setting the required spray parameters (reproducibility).

| | |
|---|---|
| 95059 | Test air cap 0.8 - 1.0 with 2 pressure gauges, cpl. for SATAjet 3000 A HVLP and SATAjet 3000 ROB HVLP |
| 95067 | Test air cap 1.2 - 2.0 with 2 pressure gauges, cpl. for SATAjet 3000 A HVLP and SATAjet 3000 ROB HVLP |

Connection kits, quick change adapters see pages 38 - 41.

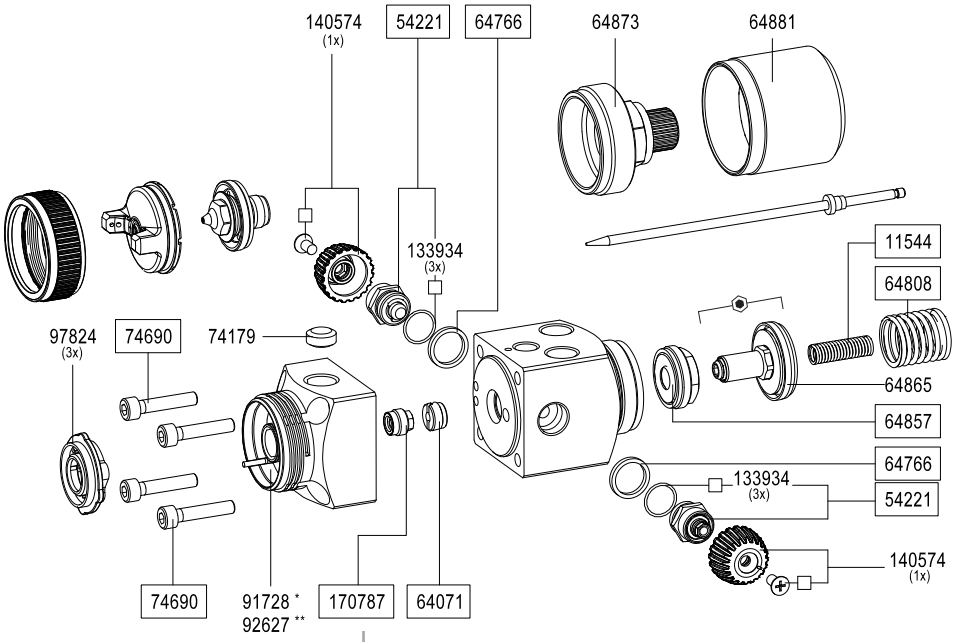
## Connection diagram spray gun

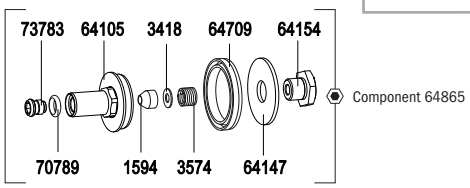


# Spare Parts SATAjet® 3000 A HVLP

## Valid for spray guns produced as of 08/2014

| Art. No./Descr. |
|---|
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 11544<br>Pressure spring for paint needle |
| 14183<br>Tool kit |
| 54221<br>Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B |
| 64071<br>Seal retainer, cpl. air side |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 64873<br>Closing cap, cpl. |
| 64881<br>Control cap for LP90, complete |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73783<br>Hexagonal socket head screw |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 80598<br>Seal retainer, cpl. with 2 sealings and metal ring |
| 91728*<br>Nozzle head, cpl. |
| 97824<br>Air distribution ring (3 pieces) |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 140574<br>Control knob with screw |
| 170787<br>Seal retainer, cpl. material side |
| **Differing components with stainless steel version:**<br>92627**<br>Nozzle head, cpl. stainless steel |




Select suitable spare parts for the version you use

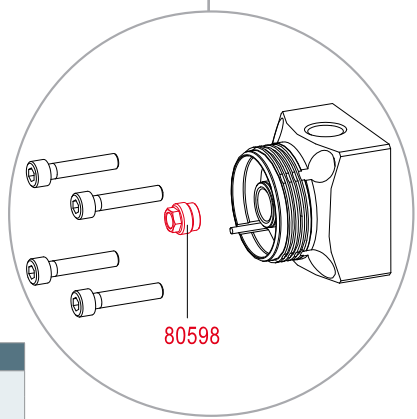
* Standard (Aluminium)

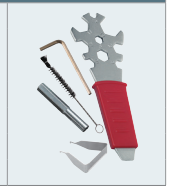
** Stainless steel

| Art. No./Descr. |
|---|
| ☐ **Included in repair kit**<br>**217505**<br>**Repair kit** |

Spray guns produced before 08/2014: Installation position of seal retainer above material passage

**Art. No. 80598**




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

# SATAjet® 3000 ROB RP®

## SATAjet 3000 ROB RP

| Technical Data | Air consumption at 2.5 bar: 450 Nl/min | | |
|---|---|---|---|
| Externally controlled, fully-automatic spray gun for high performance coatings | Atomisation air pressure on the spray gun: 2.5 bar - 3.3 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible material temperature: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 490 g |
| | | Stainless steel: | 690 g |

| Nozzle | 0,5 | 0,8 | 1,1 | 1,3 | 1,5 | 2,0 | |
|---|---|---|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | | | | |
| **Art. No.** | 163931 | 94516 | 94524 | 135467 | 220418 | * | |
| **Standard version** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | | |
| **Art. No.** | * | * | * | 137893 | * | * | |
| **Stainless steel version** | | | | | | | |
| **Art. No.** | 220434 | 94557 | 94565 | 130476 | 220442 | * | |
| **Stainless steel version with** material flow control | | | | | | | |
| **Art. No.** | 1119735 | 204883 | 220491 | 220509 | 1029504 | * | |
| **Stainless steel version** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | | |
| **Art. No.** | * | 146928 | 220467 | 220475 | * | * | |
| **Stainless steel version with** material circulation for the use on quick change adapter **188573** | | | | | | | |
| **Art. No.** | 220483 | 182063 | 97857 | 182071 | * | * | |
| **Stainless steel version with** material circulation, **with** material flow control for use on quick-change fitting **188573** | | | | | | | |
| **Art. No.** | 1118886 | 205401 | 220541 | 1118860 | * | * | |
| **Nozzle set** | | | | | | | |
| **Art. No.** | 129932 | 94136 | 94144 | 128322 | 135459 | 144253 | |
| **Nozzle set** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | | |
| **Art. No.** | 220558 | 137992 | 140889 | 138008 | * | * | |
| **Nozzle set** for SATAjet 3000 ROB with material flow control | | | | | | | |
| **Art. No.** | 195834 | 195842 | 204305 | 1062421 | 1062447 | * | |

* available upon application

## Test air caps for setting the required spray parameters (reproducibility).

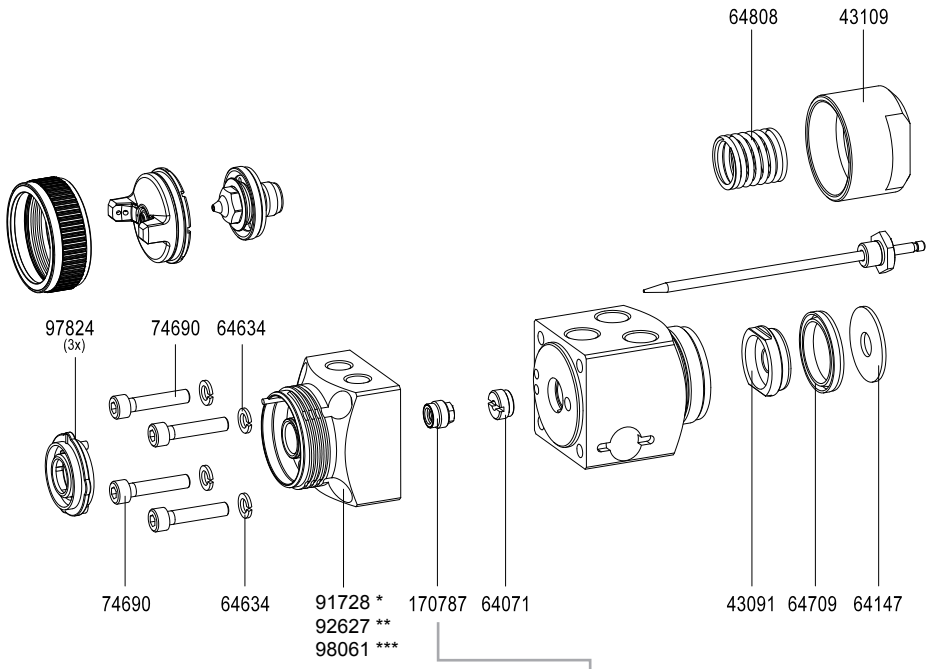
| | | |
|---|---|---|
| 135517 | Test air cap 0.8 - 1.5 with 2 pressure gauges, cpl. for SATAjet 3000 A RP and SATAjet 3000 ROB RP |  |

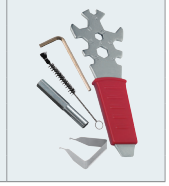
Connection kits, quick change adapters see pages 38 - 41.

# Spare Parts SATAjet® 3000 ROB RP®

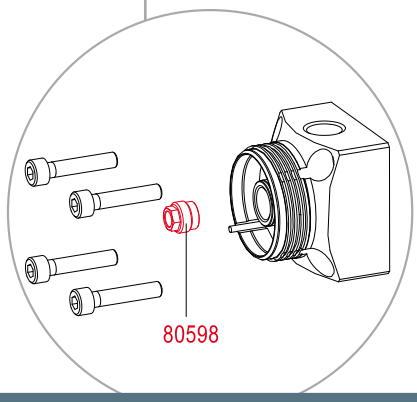
## Valid for spray guns produced as of 08/2014

| Art. No./Descr. |
|---|
| 14183<br>Tool kit |
| 43091<br>Control piston LP 90-ROB, ready for assembly |
| 43109<br>Closing cap |
| 64071<br>Seal retainer, cpl. air side |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64709<br>Sleeve |
| 64808<br>Pressure spring |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 97824<br>Air distribution ring (3 pieces) |
| 170787<br>Seal retainer, cpl. material side |
| **Differing components with stainless steel version:**<br>98061*** with material circulation<br>Nozzle head with material circulation, stainless steel for insert on quick change adapter 188573, completely assembled, with seal retainer 170787 |
| 91728*<br>Nozzle head, cpl. |
| **Differing components with stainless steel version:**<br>92627**<br>Nozzle head, cpl. stainless steel |




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

Spray guns produced before 08/2014:
Installation position of seal retainer above material passage
**Art. No. 80598**



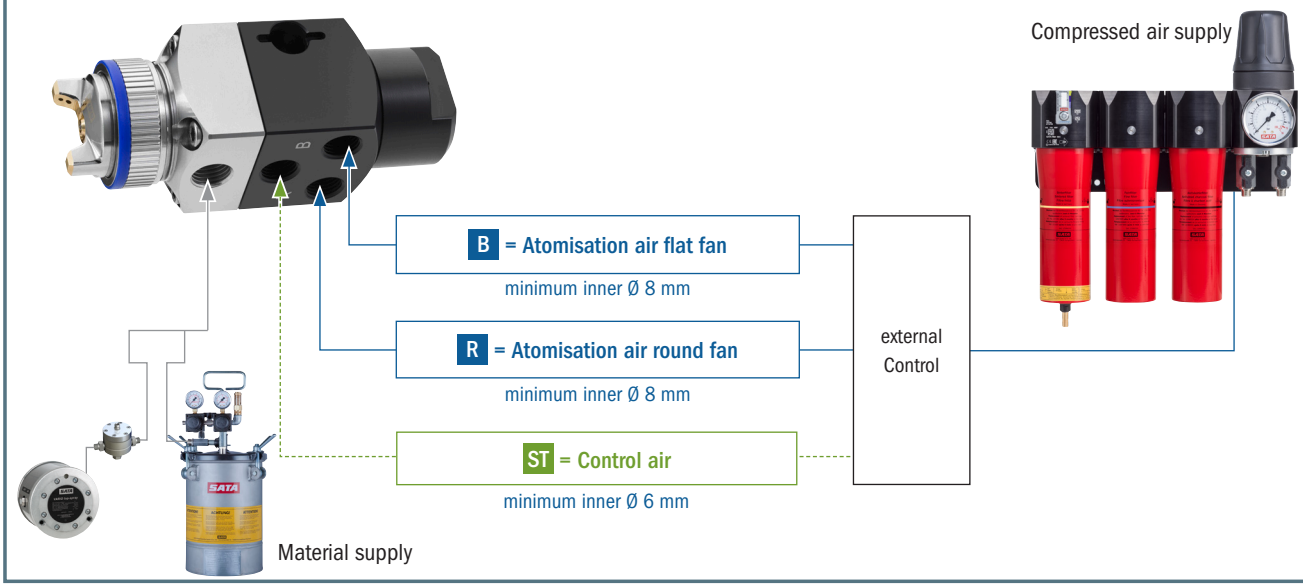

Select suitable spare parts for the version you use

* Standard (Aluminium)

** Stainless steel

*** Stainless steel with material circulation for use on quick change adapter 188573

### Connection diagram spray gun



# SATAjet® 3000 ROB HVLP

## SATAjet 3000 ROB HVLP

| Technical Data | | | |
|---|---|---|---|
| Externally controlled, fully-automatic spray gun for high performance coatings | Air consumption at 2.5 bar: 450 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 3.8 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible material temperature: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 490 g |
| | | Stainless steel: | 690 g |

| Nozzle | 0,5 | 0,8 | 1,0 | 1,2 | 1,6 | 2,0 |
|---|---|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | | | |
| **Art. No.** | 220426 | 94532 | 94540 | 124651 | 180976 | 1007922 |
| **Stainless steel version** | | | | | | |
| **Art. No.** | 220459 | 94573 | 94581 | 124644 | 129395 | 129403 |
| **Stainless steel version with material circulation for the use on quick change adapter 188573** | | | | | | |
| **Art. No.** | | 1039470 | | | | |
| **Nozzle set** | | | | | | |
| **Art. No.** | 129940 | 94151 | 94169 | 126433 | 124206 | 124214 |
| **Nozzle set** with life time prolonging surface treatment of fluid tip and paint needle | | | | | | |
| **Art. No.** | 139659 | 139667 | * | 138016 | 140814 | * |

* available upon application

## Test air caps for setting the required spray parameters (reproducibility).

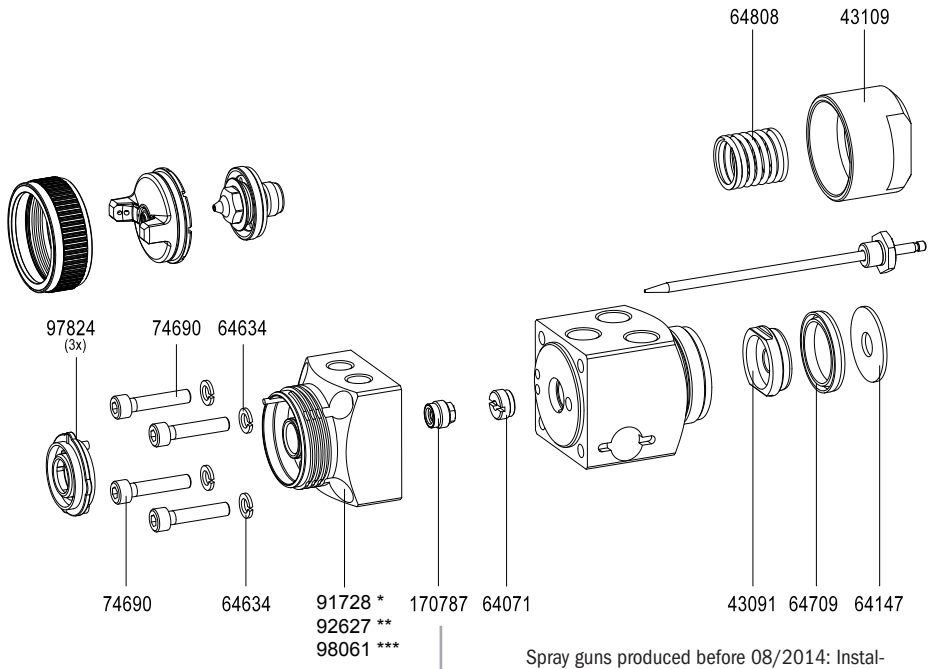
| | |
|---|---|
| 95059 | Test air cap 0.8 - 1.0 with 2 pressure gauges, cpl. for SATAjet 3000 A HVLP and SATAjet 3000 ROB HVLP |
| 95067 | Test air cap 1.2 - 2.0 with 2 pressure gauges, cpl. for SATAjet 3000 A HVLP and SATAjet 3000 ROB HVLP |

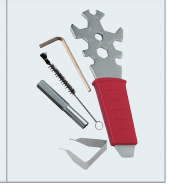
Connection kits, quick change adapters see pages 38 - 41.

# Spare Parts SATA® 3000 ROB HVLP

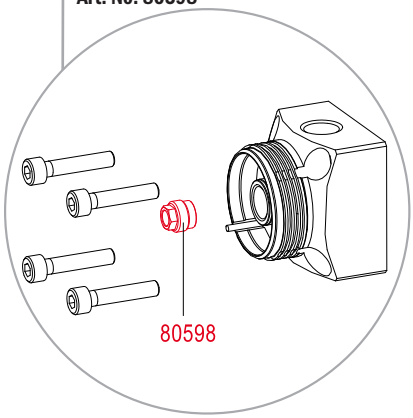
## Valid for spray guns produced as of 08/2014

| Art. No./Descr. |
|---|
| 14183<br>Tool kit |
| 43091<br>Control piston LP 90-ROB, ready for assembly |
| 43109<br>Closing cap |
| 64071<br>Seal retainer, cpl. air side |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64709<br>Sleeve |
| 64808<br>Pressure spring |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 97824<br>Air distribution ring (3 pieces) |
| 170787<br>Seal retainer, cpl. material side |
| **Differing components with stainless steel version:**<br>98061*** with material circulation<br>Nozzle head with material circulation, stainless steel for insert on quick change adapter 188573, completely assembled, with seal retainer 170787 |
| 91728*<br>Nozzle head, cpl. |
| **Differing components with stainless steel version:**<br>92627**<br>Nozzle head, cpl. stainless steel |



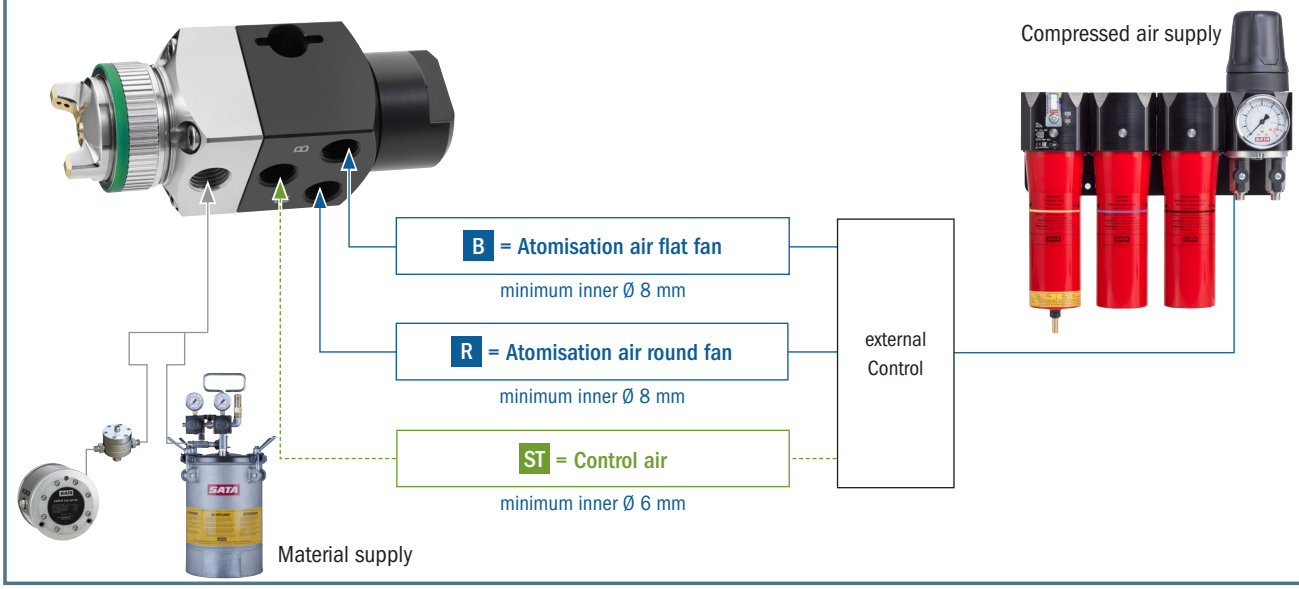

| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

Spray guns produced before 08/2014: Installation position of seal retainer above material passage
**Art. No. 80598**




Select suitable spare parts for the version you use
* Standard (Aluminium)
** Stainless steel
*** Stainless steel with material circulation for use on quick change adapter 188573

### Connection diagram spray gun



# SATAjet® 1000 A RP®

## SATAjet 1000 A RP

| Technical Data | | | |
|---|---|---|---|
| Internally controlled automatic spray gun for universal coating applications | Air consumption at 2.5 bar: 440 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 4.0 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible material temperature: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 490 g |
| | | Stainless steel: | 690 g |

* available upon application

## SATAjet 1000 A RP

| Nozzle | 0,8 | 1,1 | 1,3 | 1,5 | 2,0 | 3,0 | 1,0 IP | 1,3 IP |
|---|---|---|---|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | | | | | |
| **Art. No.** | 164129 | 164137 | 164145 | 164152 | 164160 | * | * | * |
| **Stainless steel version** | | | | | | | | |
| **Art. No.** | 164178 | 164186 | 164194 | 164202 | 164210 | 185074 | * | * |
| **Stainless steel version with special nozzle for functional coating** | | | | | | | | |
| | | | | | | | * | 202085 |
| **Nozzle set** | | | | | | | | |
| **Art. No.** | 164228 | 164236 | 164244 | 164251 | 164269 | 185082 | 226548 | 202093 |

* available upon application

## Test air caps for setting the required spray parameters (reproducibility).

| | | |
|---|---|---|
| 184747 | Test air cap 0.5 - 1.7 with 2 pressure gauges, cpl. for SATAjet 1000 K/A/ROB RP |  |

Connection kits, quick change adapters see pages 38 - 41.

## Extensions for SATAjet 1000 A RP

| | | |
|---|---|---|
| 164277 | Extension with rotary nozzle (360°), 20 cm with nozzle set 1.6 RP for SATAjet 1000 A RP |  |
| 164285 | Extension with rotary nozzle (360°), 30 cm with nozzle set 1.6 RP for SATAjet 1000 A RP | |
| 164293 | Extension with diagonal spray nozzle (30°), 20 cm with nozzle set 1.6 RP for SATAjet 1000 A RP |  |
| 164301 | Extension with diagonal spray nozzle (30°), 30 cm with nozzle set 1.6 RP for SATAjet 1000 A RP | |

Nozzle sizes between 0.8 and 2.0 and lengths between 100 and 1,000 mm are available upon request.

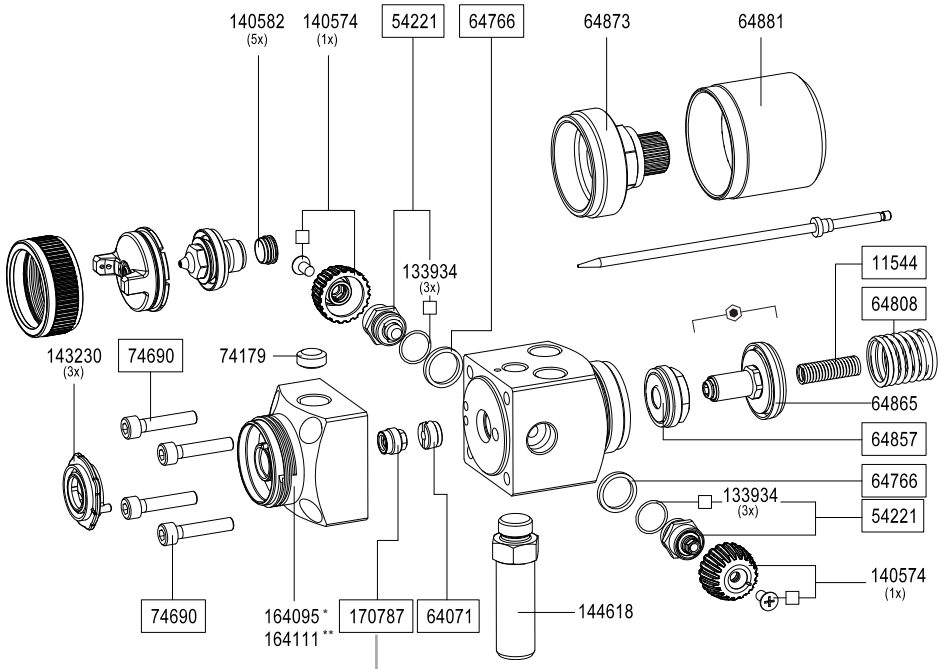
## Spray guns without nozzle set for extensions

| | |
|---|---|
| 169870 | SATAjet 1000 A RP w/o nozzle |
| 169888 | SATAjet 1000 A RP w/o nozzle stainless steel |

# Spare Parts SATAjet® 1000 A RP®

## Valid for spray guns produced as of 08/2014

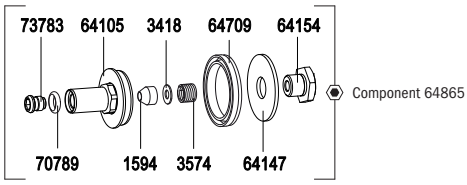
| Art. No./Descr. |
|---|
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 11544<br>Pressure spring for paint needle |
| 14183<br>Tool kit |
| 54221<br>Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B |
| 64071<br>Seal retainer, cpl. air side |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 64873<br>Closing cap, cpl. |
| 64881<br>Control cap for LP90, complete |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73783<br>Hexagonal socket head screw |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 140574<br>Control knob with screw |
| 140582<br>Sealing element (packing unit 5 pieces) for fluid tip |
| 143230<br>Air distribution ring (packing unit 3 pieces) |
| 144618<br>Fixing bolt D 15 - 1/4" (male thread) |
| 164095*<br>Nozzle head cpl. |
| 170787<br>Seal retainer, cpl. material side |
| **Differing components with stainless steel version:**<br>164111**<br>Nozzle head, cpl. SATAjet 1000 A and 1000 ROB, stainless steel |




Select suitable spare parts for the version you use

* Standard (Aluminium)

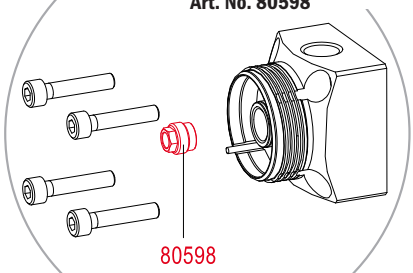
** Stainless steel




| Art. No./Descr. |
|---|
| ☐ Included in repair kit<br>217505<br>Repair kit |

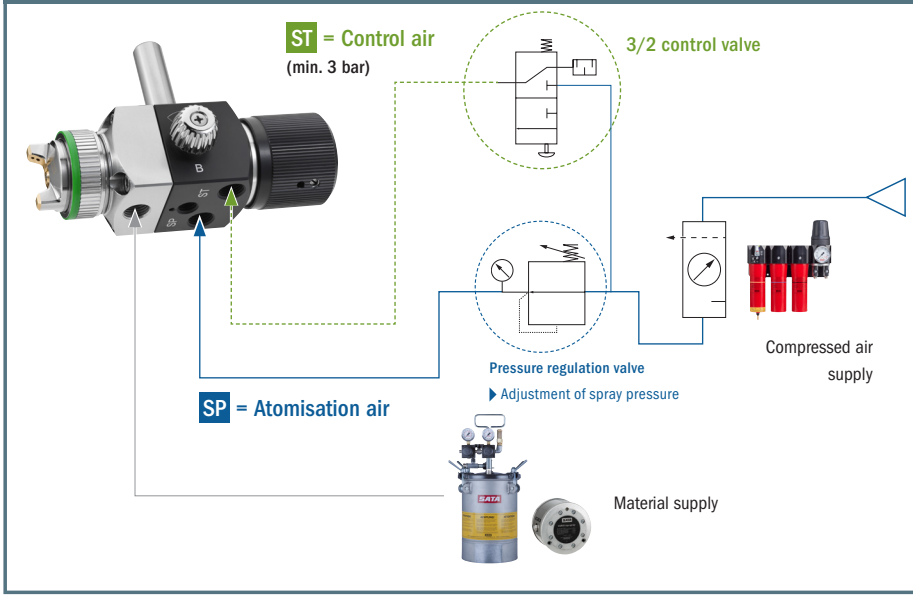
Spray guns produced before 08/2014: Installation position of seal retainer above material passage

**Art. No. 80598**




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

### Connection diagram spray gun



# SATAminijet® 1000 A RP® / HVLP

## SATAminijet 1000 A RP

| Technical Data | | | |
|---|---|---|---|
| Internally controlled automatic spray gun for finest atomisation on small surfaces | Air consumption at 2.5 bar: 195 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 3.0 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 5.0 bar | | |
| | Maximum permissible operating temperature of the coating material: 80 °C | | |
| | Weight cpl. without connections: | Stainless steel: | 915 g |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 |
|---|---|---|---|---|---|
| **Stainless steel version** | | | | | |
| Art. No. | 220517 | 203596 | 203604 | 220525 | 220533 |
| | | | | | |
| Art. No. | 203661 | 203679 | 203687 | 203695 | 203703 |

* available upon application

| Test air caps for setting the required spray parameters (reproducibility). | | |
|---|---|---|
| 204867 | Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAminijet 1000 K/A/ROB RP |  |

## SATAminijet 1000 A HVLP

| Technical Data | | | |
|---|---|---|---|
| Internally controlled automatic spray gun for finest atomisation on small surfaces | Air consumption at 2.5 bar: 170 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 3.0 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible operating temperature of the coating material: 80 °C | | |
| | Weight cpl. without connections: | Stainless steel: | 915 g |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 | 1,4 |
|---|---|---|---|---|---|---|
| **Stainless steel version** | | | | | | |
| Art. No. | 170746 | 170753 | 170761 | 170779 | 194902 | * |
| **Nozzle set** | | | | | | |
| Art. No. | 171009 | 171017 | 171025 | 171033 | 203711 | * |

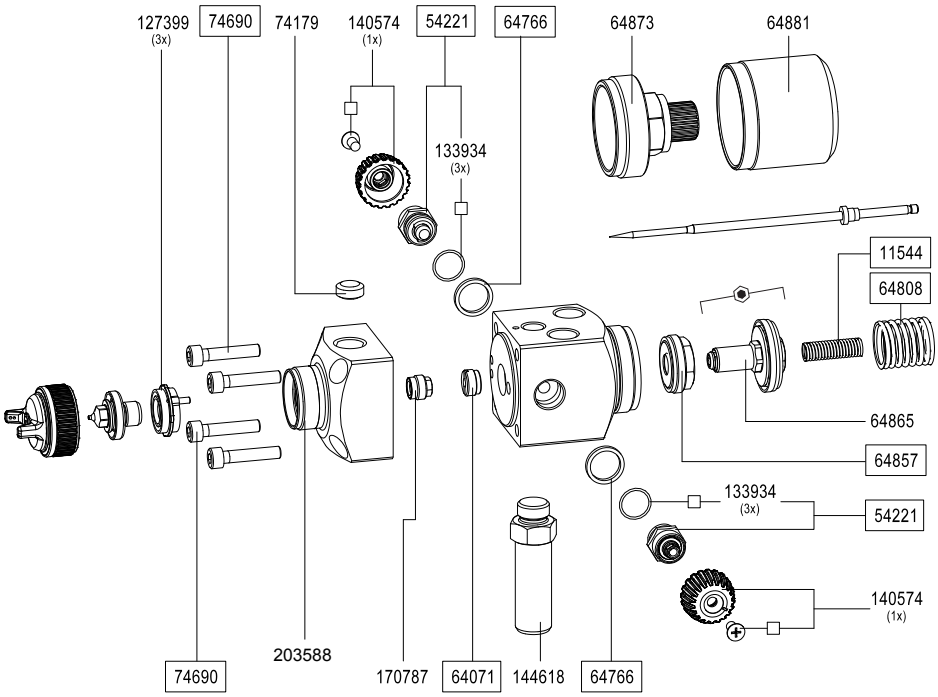
* available upon application

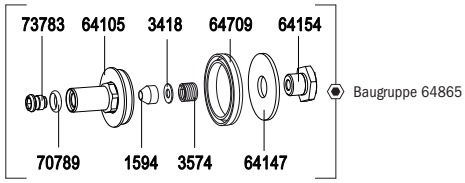
| Test air caps for setting the required spray parameters (reproducibility). | | |
|---|---|---|
| 204875 | Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAminijet 1000 K/A/ROB HVLP |  |

Connection kits, quick change adapters see pages 38 - 41.

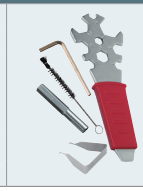
# Spare Parts SATAminijet® 1000 A RP® / HVLP

| Art. No./Descr. |
|---|
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 11544<br>Pressure spring for paint needle |
| 14183<br>Tool kit |
| 54221<br>Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B |
| 64071<br>Seal retainer, cpl. air side |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 64873<br>Closing cap, cpl. |
| 64881<br>Control cap for LP90, complete |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73783<br>Hexagonal socket head screw |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 127399<br>Air distribution ring (packing unit 3 pieces) |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 140574<br>Control knob with screw |
| 144618<br>Fixing bolt D 15 - 1/4" (male thread) |
| 170787<br>Seal retainer, cpl. material side |
| 203588<br>Nozzle head, cpl. stainless steel |

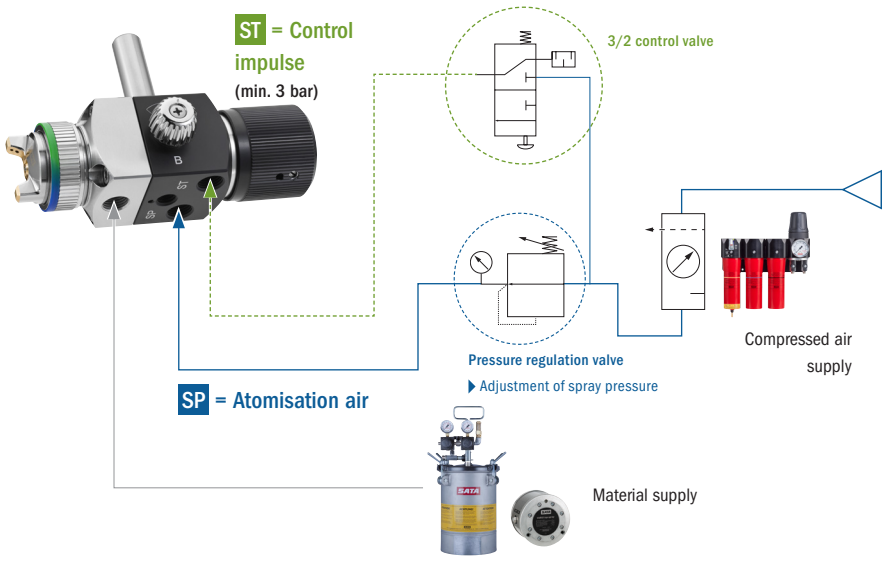



| Art. No./Descr. |
|---|
| ☐ Included in repair kit |
| 217505<br>Repair kit |

| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

## Connection diagram spray gun



# SATAminijet® 1000 ROB RP® / HVLP

## SATAminijet 1000 ROB RP

| Technical Data | Air consumption at 2.5 bar: 220 Nl/min |
|---|---|
| Externally controlled, fully-automatic spray gun for finest atomisation for small surfaces and components | Atomisation air pressure on the spray gun: 2.5 bar - 3.0 bar |
| | Required min. control air pressure: 3.0 bar |
| | Max. permissible material operating pressure: 10.0 bar |
| | Maximum permissible operating temperature of the coating material: 80 °C |
| | Weight cpl. without connections: 620 g |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 |
|---|---|---|---|---|---|
| **Stainless steel version** | | | | | |
| Art. No. | 220624 | 203612 | 203620 | 220632 | 220640 |
| **Nozzle set** | | | | | |
| Art. No. | 203729 | 195206 | 203737 | 203745 | 203752 |

* available upon application

### Test air caps for setting the required spray parameters (reproducibility).

| | | |
|---|---|---|
| 204867 | Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAminijet 1000 K/A/ROB RP |  |

## SATAminijet 1000 ROB HVLP

| Technical Data | Air consumption at 2.5 bar: 150 Nl/min | |
|---|---|---|
| Externally controlled, fully-automatic spray gun for finest atomisation for small surfaces and components | Atomisation air pressure on the spray gun: 2.5 bar - 3.0 bar | |
| | Required min. control air pressure: 3.0 bar | |
| | Max. permissible material operating pressure: 10.0 bar | |
| | Maximum permissible operating temperature of the coating material: 80 °C | |
| | Weight cpl. without connections: | Stainless steel: 620 g |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 | 1,4 | 0,5 | 0,8 |
|---|---|---|---|---|---|---|---|---|
| **Stainless steel version** | | | | | | | | |
| Art. No. | 220590 | 203638 | 203653 | 203653 | 220608 | * | | |
| **Stainless steel version with material flow control** | | | | | | | | |
| | | | | | | | 1039115 | 1028829 |
| **Nozzle set** | | | | | | | **Nozzle set with material flow control** | |
| Art. No. | 203760 | 203778 | 203786 | 185678 | 185686 | * | 1039131 | 1039149 |

* available upon application

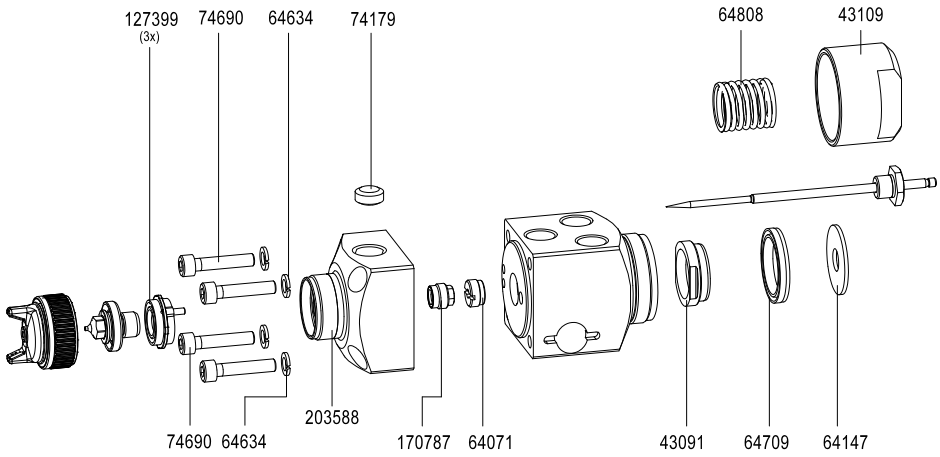
### Test air caps for setting the required spray parameters (reproducibility).

| | | |
|---|---|---|
| 204875 | Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAminijet 1000 K/A/ROB HVLP |  |

Connection kits, quick change adapters see pages 38 - 41.

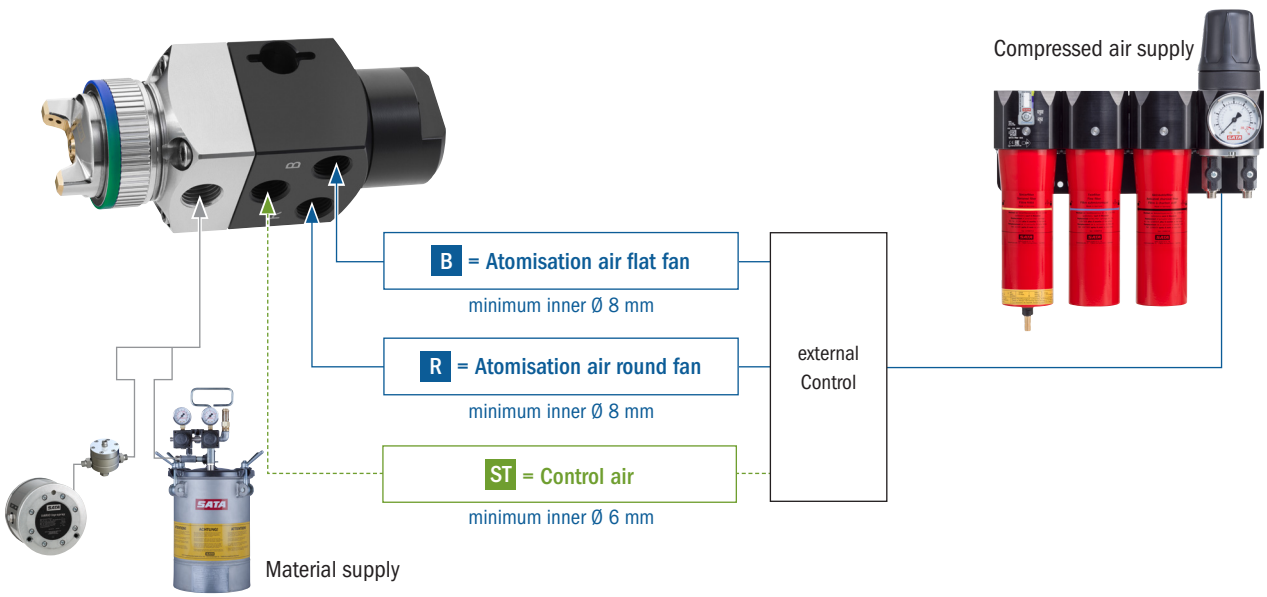
# Spare Parts SATAminijet® 1000 ROB RP® / HVLP

| Art. No./Descr. |
|---|
| 14183<br>Tool kit |
| 64071<br>Seal retainer, cpl. air side |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64709<br>Sleeve |
| 64808<br>Pressure spring |
| 43091<br>Control piston LP 90-ROB, ready for assembly |
| 43109<br>Closing cap |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 170787<br>Seal retainer, cpl. material side |
| 127399<br>Air distribution ring (packing unit 3 pieces) |
| 203588<br>Nozzle head, cpl. stainless steel |




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

## Connection diagram spray gun



# SATAminijet® 1000 A S HVLP

1+2=3 PREMIUM WARRANTY · QUICK 1-TURN · HVLP RP · EXTERNAL CONTROL

## SATAminijet 1000 A S HVLP

| Technical Data | | | |
|---|---|---|---|
| Externally controlled automatic spray gun with high frequency for small components | Air consumption at 2.5 bar: 200 Nl/min | | |
| | Atomisation air pressure on the spray gun: 2.5 bar - 3.0 bar | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible material operating pressure: 10.0 bar | | |
| | Maximum permissible operating temperature of the coating material: 80 °C | | |
| | Weight cpl. without connections: | Standard: | 520 g |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 |
|---|---|---|---|---|
| **Standard version** (anodised aluminium) | | | | |
| **Art. No.** | 149021 | 149039 | 149047 | 149054 |
| **Nozzle set** | | | | |
| **Art. No.** | 149476 | 149484 | 149492 | 149500 |

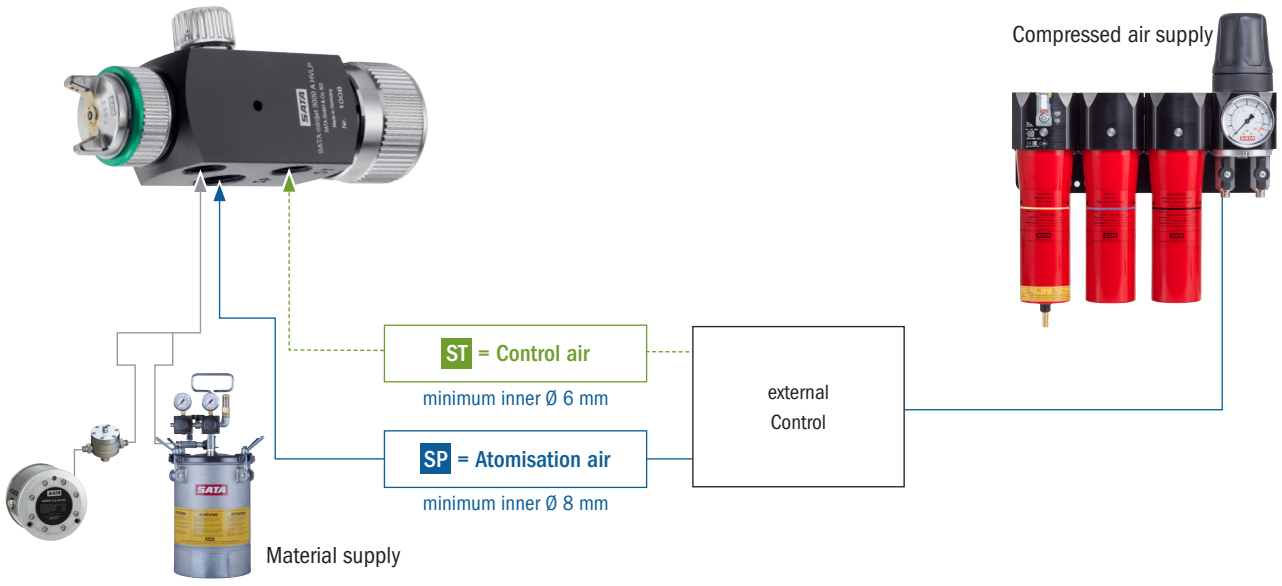
Spray guns and nozzle sets with life time prolonging surface treatment of fluid tip and paint needle available upon request.

## Test air caps for setting the required spray parameters (reproducibility).

| | | |
|---|---|---|
| 204875 | Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAminijet 1000 K/A/ROB HVLP |  |

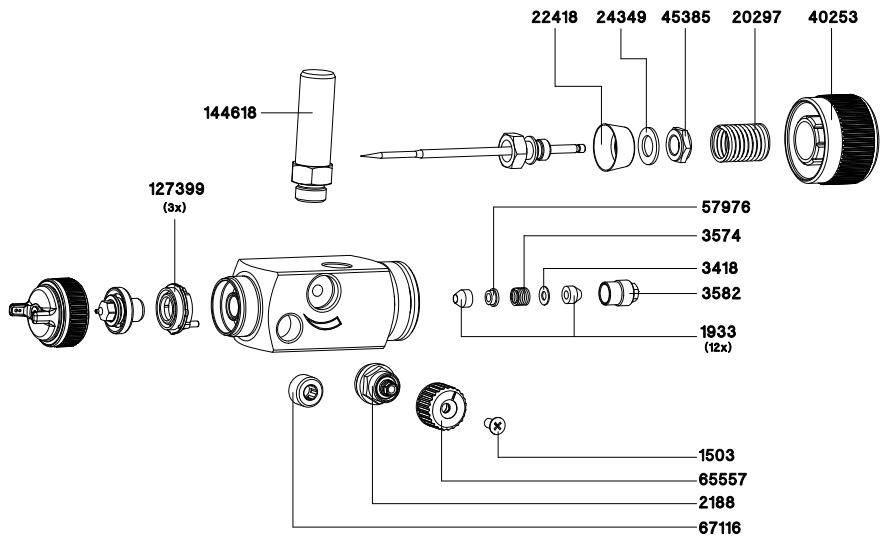
Connection kits, quick change adapters see pages 38 - 41.

## Connection diagram spray gun



# Spare Parts SATAminijet® 1000 A S HVLP

| Art. No./Descr. |
|---|
| 1503<br>Countersunk screw M4 x 8 DIN 965, stainless steel, for micrometer und round/flat spray control |
| 1933<br>Teflon sealing (packing unit 12 pieces) |
| 2188<br>Spindle |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3582<br>Packing screw |
| 20297<br>Pressure spring for LP-S |
| 22418<br>Sleeve, Teflon |
| 24349<br>Backing plate for LP |
| 40253<br>Regulation cap LP-S, complete |
| 45385<br>Hexagon nut M9X1 for taking sleeve (LP-S) |
| 57976<br>Distance sleeve , ready for assembly |
| 65557<br>Control knob |
| 67116<br>Locking screw 1/4" (male thread), nickel-plated |
| 127399<br>Air distribution ring (packing unit 3 pieces) |
| 144618<br>Fixing bolt D 15 - 1/4" (male thread) |




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

# SATA® LPS™ 2000

1+2=3 PREMIUM WARRANTY

EXTERNAL CONTROL

## SATA LPS RB 2000 RP, SATA LPS R 2000

| Technical Data | Air consumption SATA LPS RB 2000 RP at 2.5 bar: 200 Nl/min - 250 Nl/min |
|---|---|
| Externally controlled marking gun for defined edge markings | Air consumption SATA LPS R 2000 at 2.5 bar: 120 Nl/min - 150 Nl/min |
| | Required min. control air pressure: 3.0 bar |
| | Max. permissible atomisation air pressure: 10.0 bar |
| | Max. permissible material operating pressure: 5.0 bar |
| | Maximum permissible material temperature: 50 °C |
| | Weight cpl. without connections: Standard: 525 g |

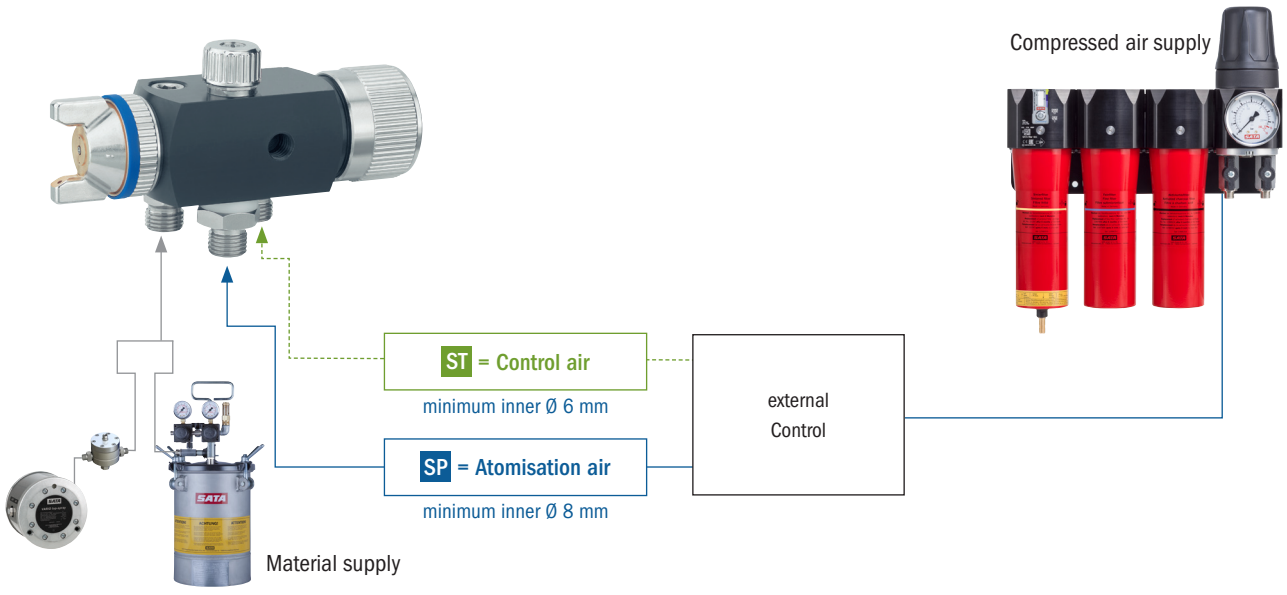
| Nozzle | 0,5 | 0,8 | 1,3 | 2,0 |
|---|---|---|---|---|
| **SATA LPS RB 2000 RP** marking gun with round and flat fan (anodised aluminium) | | | | |
| **Art. No.** | 92908 | 92916 | 129726 | 177444 |
| **Nozzle set** | | | | |
| **Art. No.** | 93013 | 93021 | 93039 | * |

Nozzle sets with life time prolonging surface treatment of fluid tip and paint needle upon request.

| Nozzle | 0,5 | 0,8 |
|---|---|---|
| **SATA LPS R 2000** marking gun with round fan (anodised aluminium) | | |
| **Art. No.** | 92940 | * |
| **Nozzle set** | | |
| **Art. No.** | 93047 | 93054 |
| **Nozzle set** with life time prolonging surface treatment of fluid tip and paint needle | | |
| **Art. No.** | * | 149286 |

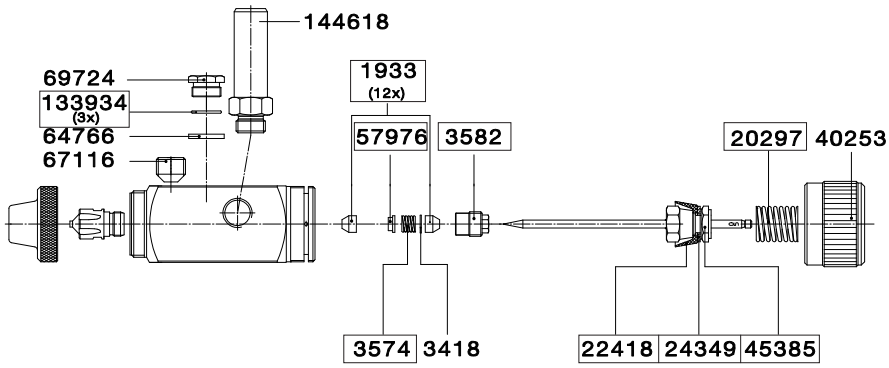
* available upon application

## Connection diagram spray gun



# Spare Parts SATA® LPS™ 2000

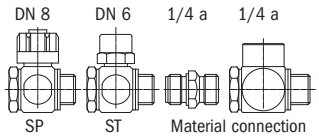
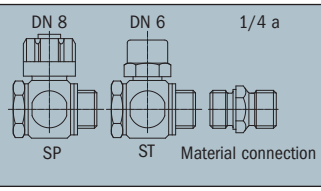
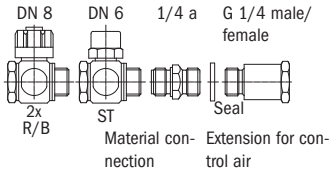
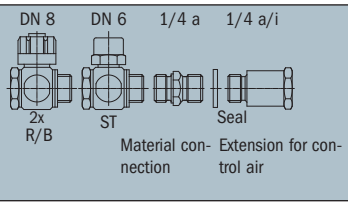
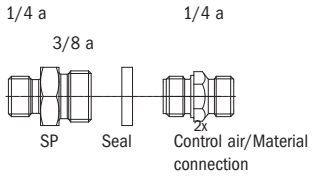
| Art. No./Descr. |
|---|
| 1933<br>Teflon sealing (packing unit 12 pieces) |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 3582<br>Packing screw |
| 20297<br>Pressure spring for LP-S |
| 22418<br>Sleeve, Teflon |
| 24349<br>Backing plate for LP |
| 40253<br>Regulation cap LP-S, complete |
| 45385<br>Hexagon nut M9X1 for taking sleeve (LP-S) |
| 57976<br>Distance sleeve , ready for assembly |
| 64766<br>Washer |
| 67116<br>Locking screw 1/4" (male thread), nickel-plated |
| 69724<br>Closing screw LP-90-Spray-Mix |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 144618<br>Fixing bolt D 15 - 1/4" (male thread) |

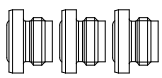
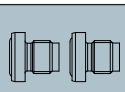



| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

| Art. No./Descr. |
|---|
| ☐ **Included in repair kit**<br>**40832**<br>**Repair kit** |

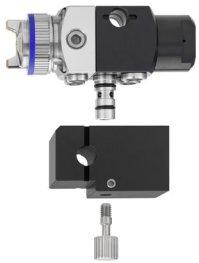
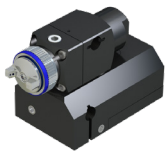
# Connection Kits / Accessories

| Connection kits | | |
|---|---|---|
| 144667 | Connection kit for SATAjet 3000 A, jet 1000 A, minijet 3000 A |  |
| 144675 | Connection kit, stainless steel for SATAjet 3000 A, SATAjet 1000 A, minijet 3000 A |  |
| 144683 | Connection kit for SATAjet 3000 ROB |  |
| 144691 | Connection kit, stainless steel for SATAjet 3000 ROB, SATAminijet 1000 ROB |  |
| 144709 | Connection kit for SATAminijet 3000 A S, LPS RB 2000, LPS R 2000 |  |
| 1022037 | Connection kit for SATAjet 1800 M control module Rear-Connection internal |  |
| 1022029 | Connection kit for SATAjet 1800 M control module Rear- and Underside-Connection external |  |
| SP= atomisation air \| ST= control air \| R=round fan \| B= flat fan \| a= male thread \| i= female thread | | |

| Connection sets for quick-change mounting | | |
|---|---|---|
| 52720 | Distance piece 1/4" (male thread) (packing unit 3 pieces) for SATAjet A and ROB quick change adapter |  |
| 145904 | O-ring (packing unit 10 pieces) for distance pieces 52720 | |
| 188631 | Distance piece 1/8" (male thread) (packing unit 2 pieces) for SATAjet ROB quick change adapter |  |
| 145904 | O-ring (packing unit 10 pieces) for distance pieces 52720 | |
| 182139 | Connection piece control air 1/4" (male thread) for SATAjet ROB quick change adapter |  |
| 188649 | Sealing kit (packing unit 10 pieces) for adapter plate automatic and ROB spray guns | |

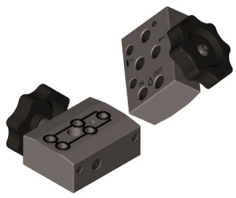
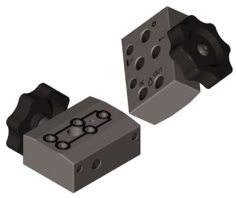
# Chick Change Adapters / Accessories

## Quick change adapters

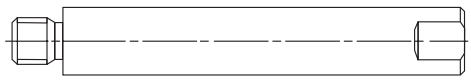
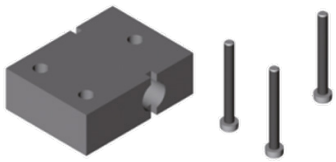
| | | |
|---|---|---|
| 145169 | Quick change adapter cpl. with fixing screw, with distance pieces 52720 for SATAjet A automatic spray guns |  |
| 208595 | FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet A automatic spray guns |  |
| Detailed diagram of the quick change adapter for automatic spray guns on page 38. | | |
| 217521 | Quick change adapter cpl., without material recirculation, incl. connection elements for one material connection for SATAjet ROB standard spray guns |  |
| 188573 | Adapter cpl., with material recirculation, incl. connection elements for SATAjet ROB spray guns | |
| 208603 | FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet ROB automatic spray guns |  |
| Detailed diagram of the quick change adapter for robotic spray guns on page 38. | | |
| 74773 | Quick change adapter for one SATA ROB spray gun, with fixing screw, without distance pieces 52720 and connection piece 53132 |  |

Drilling templates for quick change adapters upon application.

## Control modules for SATAjet 1800 M

| | | |
|---|---|---|
| 1020007 | Control module aluminium internal, with R/F spray control rear-connection, circulation for SATAjet 1800 M |  |
| 1020015 | Control module aluminium external, rear-connection, circulation for SATAjet 1800 M |  |
| 1020023 | Control module aluminium external, ground connection, circulation for SATAjet 1800 M |  |
| 1020031 | Control module stainless steel internal, with R/F spray control rear-connection, circulation for SATAjet 1800 M |  |
| 1020049 | Control module stainless steel external, rear connection, circulation for SATAjet 1800 M |  |
| 1020057 | Control module stainless steel external, ground connection, circulation for SATAjet 1800 M |  |

## Accessories SATAjet 1800 M

| | | |
|---|---|---|
| 1020099 | Fixing bolts Ø12 M8x70 for SATAjet 1800 M |  |
| 1020106 | Connection disc with drilling Ø13 for bolt fixation, cpl. with fixing screws for SATAjet 1800 M |  |

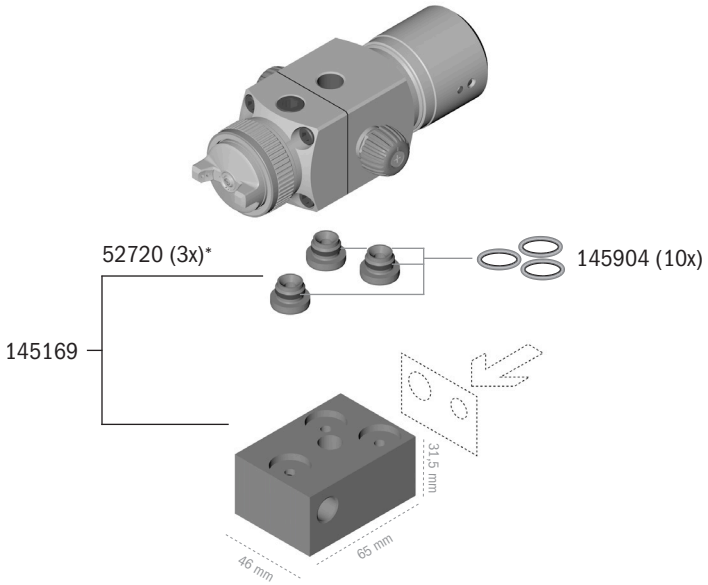
# Quick change adapter SATAjet A / ROB

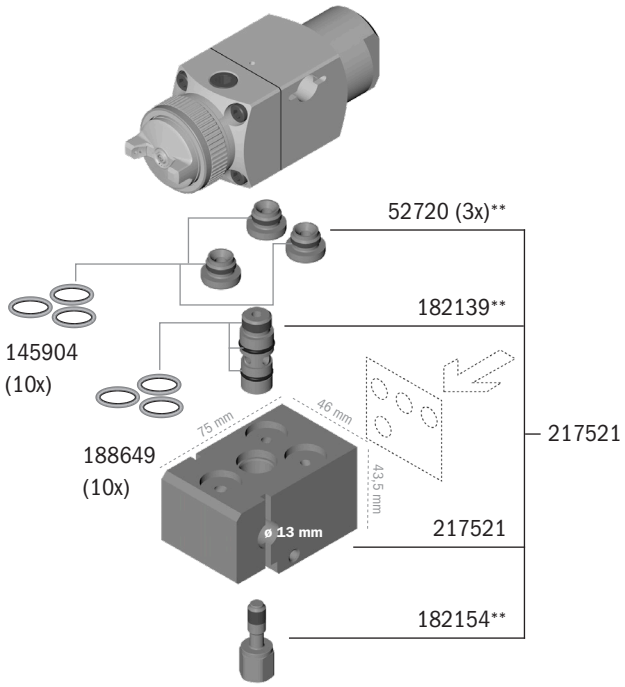
## Only for the series

- SATAjet 3000 A RP/HVLP
- SATAjet 1000 A RP/HVLP
- SATAminijet 1000 A RP/HVLP

| Art. No./Descr. |
|---|
| 52720<br>Distance piece 1/4" (male thread) (packing unit 3 pieces) |
| 145169<br>Quick change adapter cpl. with fixing screw, with distance pieces 52720 |
| 188649<br>Sealing kit (packing unit 10 pieces) |

Drilling template for adapter plate connection upon application.
* included in the scope of delivery of 145169.




## Quick change adapter without material circulation

## Only for the series

- SATAjet 3000 ROB RP/HVLP
- SATAminijet 1000 ROB RP/HVLP

| Art. No./Descr. |
|---|
| 52720<br>Distance piece 1/4" (male thread) (packing unit 3 pieces) |
| 182139<br>Connection piece control air 1/4" (male thread) |
| 217521<br>Quick change adapter cpl., without material recirculation, incl. connection elements for one material connection |
| 182154<br>Screw for SATAjet 3000 ROB special version |
| 188649<br>Sealing kit (packing unit 10 pieces) |

Drilling template for adapter plate connection upon application.
** included in the scope of delivery of 217521.

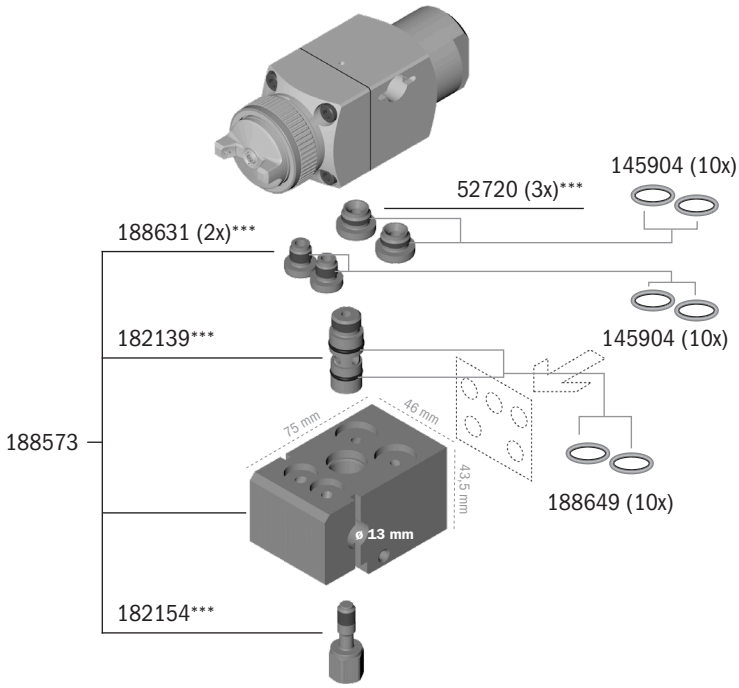
## Quick change adatper **with** material circulation

## Only for the model ranges

- SATAjet 3000 ROB RP (HVLP auf Anfrage)
- SATAminijet 1000 ROB RP (HVLP upon application)

| Art. No./Descr. |
|---|
| 52720<br>Distance piece 1/4" (male thread) (packing unit 3 pieces) |
| 188631<br>Distance piece 1/8" (male thread) (packing unit 2 pieces) |
| 182139<br>Connection piece control air 1/4" (male thread) |
| 188573<br>Adapter cpl., with material recirculation, incl. connection elements |
| 182154<br>Screw for SATAjet 3000 ROB special version |
| 145904<br>O-ring (packing unit 10 pieces) |
| 188649<br>Sealing kit (packing unit 10 pieces) |

Drilling template for adapter plate connection upon application.
*** included in the scope of delivery of 188573.



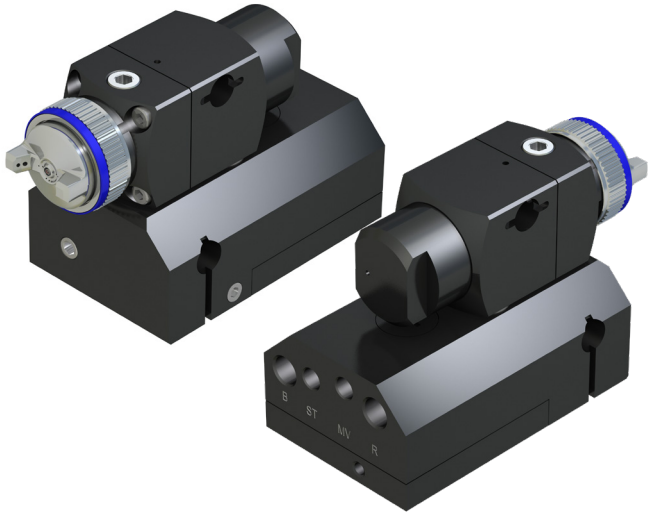
# FIRA Quick Change Adapter SATAjet A / ROB

## With integrated, pneumatically controllable material fine pressure regulator

**Product advantages / Function**

- Combination of external, pneumatically controlled material fine pressure regulator and
- automatic spray gun quick change adapter in compact design
- Replaces a separate material fine pressure regulator on the spray gun
- Control of the material volume flow by the external control directly in the quick change adapter
- High control accuracy due to known control mechanism
- High quality, wear-and-tear resistant PTFE diaphragm
- Allows quick spray gun change
- Suitable for all standard SATAjet A and SATAjet ROB automatic spray guns


| Art. No./Descr. |
| --- |
| 208595<br>FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet A automatic spray guns |




| Art. No./Descr. |
| --- |
| 208603<br>FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet ROB automatic spray guns |

# SATAjet® 3000 A spray mix

1+2=3 PREMIUM WARRANTY

EXTERNAL CONTROL

## SATAjet 3000 K spray mix

| Technical Data | Air consumption at 3.0 bar: | Flat fan 90 Nl/min | |
|---|---|---|---|
| Internally controlled automatic spray gun for atomisation air assisted airless coatings | | Round fan 220 Nl/min | |
| | Required atomisation air supply: min. ø 8 mm | | |
| | Required min. control air pressure: 3.0 bar | | |
| | Max. permissible atomisation air pressure: 10.0 bar | | |
| | Max. permissible material operating pressure: 250.0 bar | | |
| | Maximum permissible material temperature: 50 °C | | |
| | Weight cpl. without connections: | Standard: | 625 g |
| | | Stainless steel: | 835 g |

| **Standard version** (material passages made of anodised aluminium) | |
|---|---|
| 144519 | SATAjet 3000 A spray mix with round / flat spray control, without material |
| **Stainless steel version** | |
| 144527 | SATAjet 3000 A spray mix with round / flat spray control, without material, stainless steel |
| **Strainer** | |
| 70615 | SATA paint strainer 100 msh, G 1/4" |

## Nozzle sets SATAjet 3000 A spray mix (not included in scope of supply of the Spray mix gun)

| Fluid tip | | Technical Data | | | | |
|---|---|---|---|---|---|---|
| Nozzle No. | Art. No. | ø mm | ø inch | Angle | Width | l/min at 70 bar (1015 psi) |
| 1840 | 23044 | 0,18 | 0,007 | 40° | 18 | 0,16 |
| 2325 | 7328 | 0,23 | 0,009 | 25° | 14 | 0,23 |
| 2350 | 7435 | 0,23 | 0,009 | 50° | 22 | 0,23 |
| 2360 | 74922 | 0,23 | 0,009 | 60° | 24 | 0,23 |
| 2825 | 16998 | 0,28 | 0,011 | 25° | 14 | 0,30 |
| 2850 | 50906 | 0,28 | 0,011 | 50° | 22 | 0,30 |
| 2865 | 13771 | 0,28 | 0,011 | 65° | 26 | 0,30 |
| 3325 | 20206 | 0,33 | 0,013 | 25° | 14 | 0,45 |
| 3350 | 50898 | 0,33 | 0,013 | 50° | 23 | 0,45 |
| 3365 | 13789 | 0,33 | 0,013 | 65° | 28 | 0,45 |
| 3375 | 74930 | 0,33 | 0,013 | 75° | 32 | 0,45 |
| 3390 | 73742 | 0,33 | 0,013 | 90° | 40 | 0,45 |
| 3825 | 13797 | 0,38 | 0,015 | 25° | 15 | 0,61 |
| 3850 | 7344 | 0,38 | 0,015 | 50° | 25 | 0,61 |
| 3882 | 74948 | 0,38 | 0,015 | 82° | 34 | 0,61 |
| 4650 | 19307 | 0,46 | 0,018 | 50° | 25 | 0,95 |
| 4682 | 74955 | 0,46 | 0,018 | 82° | 35 | 0,95 |
| 5370 | 150276 | 0,53 | 0,021 | 70° | 33 | 1,28 |
| 6050 | 17004 | 0,60 | 0,024 | 50° | 31 | 1,59 |

Nozzle No.: XX YY
- YY → Angle
- XX → ø mm

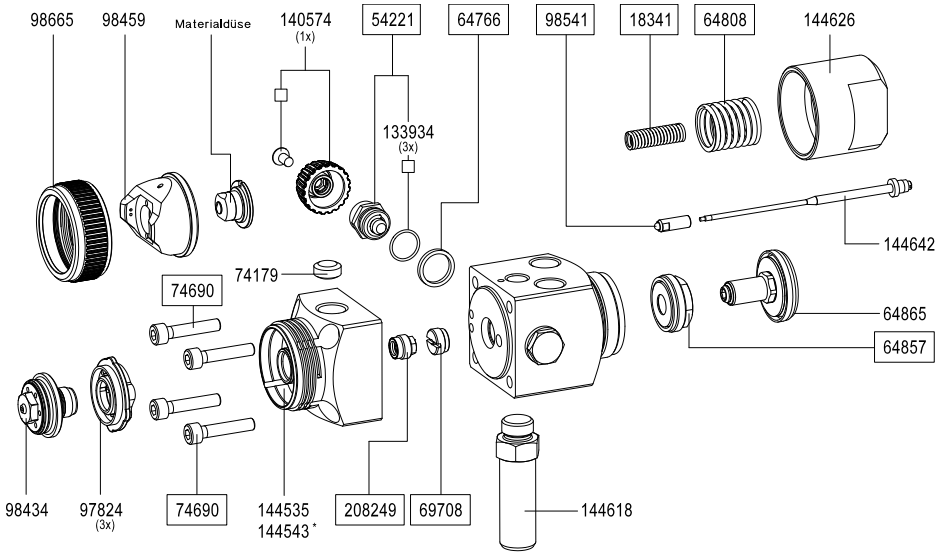
Connection kits, quick change adapters see pages 38 - 41.

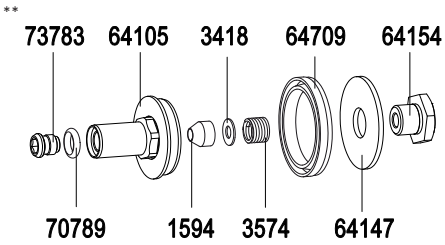
# Spare Parts SATAjet® 3000 A spray mix

1+2=3 PREMIUM WARRANTY

INTERNAL CONTROL

| Art. No./Descr. |
|---|
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 14183<br>Tool kit |
| 18341<br>Pressure spring for paint needle |
| 54221<br>Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 69708<br>Seal retainer, cpl. with needle packing |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73783<br>Hexagonal socket head screw |
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 97824<br>Air distribution ring (3 pieces) |
| 98434<br>Pre-nozzle, cpl. SATA jetK3 Spray mix |
| 98459<br>Air cap round/flat spray fan |
| 98665<br>Air cap ring |
| 98541<br>Carbide needle tip |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 144535<br>Nozzle head, cpl. |
| 140574<br>Control knob with screw |
| 144618<br>Fixing bolt D 15 - 1/4" (male thread) |
| 144626<br>Closing cap |
| 144642<br>Paint needle, cpl. |
| **Differing components with stainless steel version:**<br>144543*<br>Nozzle head, cpl. stainless steel |




| Art. No./Descr. | |
|---|---|
| 14183<br>**Tool kit**<br>· Extraction tool<br>· Socket wrench 7 mm width<br>· Cleaning brush<br>· Allen wrench 4 mm width<br>· Universal spanner |  |

| Art. No./Descr. |
|---|
| ☐ Included in repair kit<br>144733<br>Repair kit |

# SATA® Lab Test Automatic Spray Guns

## Professional colour tone and quality check in the paint lab

The quality control of paints in terms of colour tone accuracy, effects and gloss as well as ensuring consistent quality levels of paint materials and paint additives depend on consistent and reliably reproducible application processes.
In this conjunction, it is essential to achieve reproducible test results by establishing application tests with exactly defined application parameters under real world application conditions.
In combination with a high degree of automation, e.g. via robots or linear-controlled painting automats, the proven SATA nozzle technology allows to realise and reproduce test panels and test protocols of highest precision.

- At SATA, each lab test spray gun is checked under real application conditions based on strict testing parameters with a test material selected by the paint industry and fine-tuned, if necessary.
- Each spray gun and each replacement nozzle set is registered with its serial number in a specific file and supplied with a test protocol as well as a reference spray pattern.
- The scalable fine adjustment elements integrated in the spray gun and fine-tuned nozzle sets ensure to create reproducible test spray patterns at any given time.

### SATAjet 3000 LAB RP

### SATAjet 3000 LAB ROB RP with quick cup change adapter

# SATA® Lab Test Spray Guns

## SATAjet 5000 LAB RP

| Nozzle | 1,2W | 1,2 | 1,3 | 1,4 |
|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | |
| Art. No. | 224592 | 1028803 | 224576 | 224584 |
| Nozzle set | | | | |
| Art. No. | 1032094 | 1032086 | 1032101 | 1032119 |

| Nozzle | 1,2W/ 1,2/ 1,3 | 1,4 |
|---|---|---|
| Test air caps | | |
| Art. No. | 215962 | 215970 |

## SATAjet 5000 LAB HVLP

| Nozzle | WSB | 1,3 | 1,4 |
|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | |
| Art. No. | 224568 | 224543 | 224550 |
| Nozzle set | | | |
| Art. No. | 1032127 | 1032135 | 1032143 |

| Nozzle | WSB/1,4 | 1,3 |
|---|---|---|
| Test air caps | | |
| Art. No. | 215988 | 215996 |

## SATAjet 4000 LAB RP

| Nozzle | 1,2 | 1,2W | 1,3 | 1,4 | 1,6 |
|---|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | | |
| Art. No. | 182634 | 182659 | 182642 | * | * |
| Nozzle set | | | | | |
| Art. No. | 184903 | 184911 | 184895 | 198747 | * |

| Nozzle | 1,2/ 1,2W/ 1,3 | 1,4/ 1,6 |
|---|---|---|
| Test air caps | | |
| Art. No. | 171363 | 171371 |

## SATAjet 4000 LAB HVLP

| Nozzle | 1,0 | WSB | 1,3 | 1,4 | 1,5 |
|---|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | | |
| Art. No. | 219766 | 182618 | 182626 | * | * |
| Nozzle set | | | | | |
| Art. No. | 206680 | 184929 | 184937 | 198960 | 198754 |

| Nozzle | 1,0/ WSB/ 1,4/ 1,5 | 1,2/ 1,3 |
|---|---|---|
| Test air caps | | |
| Art. No. | 171348 | 171355 |

## SATAjet 3000 LAB RP

| Nozzle | 1,0 | 1,2 | 1,3 | 1,4 | 1,6 | 2,0 |
|---|---|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | | | |
| Art. No. | 221218 | 118216 | 140368 | 157313 | 1021328 | |
| Nozzle set | | | | | | |
| Art. No. | 140871 | 119750 | 140350 | 141366 | 141374 | 1103514 |

* available upon application

# SATA® Lab Test Spray Guns

## SATAjet 3000 LAB HVLP

| Nozzle | WSB | 1,3 | 1,5 | |
|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | |
| **Art. No.** | 149633 | 148619 | * | |
| **Nozzle set** | | | | |
| **Art. No.** | * | 148726 | 148734 | |

## SATAjet 3000 LAB ROB RP

| | | | |
|---|---|---|---|
| 177220 | SATAjet 3000 LAB ROB RP nozzle 1.3, for cup quick change adapter, all material passages made of stainless steel, with spray pattern and test protocol | | |
| **Nozzle set** | 1,0 | 1,3 | |
| **Art. No.** | 216523 | 213744 | |

## SATAjet 3000 LAB ROB HVLP

| | | | |
|---|---|---|---|
| 1083005 | SATAjet 3000 LAB ROB HVLP nozzle 1.3 0.6 l plastic cup, material passages made of stainless steel, with spray pattern and test protocol | | |
| **Nozzle set** | 1,3 | | |
| **Art. No.** | 1083021 | | |

## SATAjet 2000 LAB HVLP

| Nozzle | WSB | 1,3 | 1,5 | |
|---|---|---|---|---|
| **Lab test gun,** all material-system parts in stainless steel, with 0.6 l plastic reusable cup with spray pattern and test report | | | | |
| **Art. No.** | 94821 | 90829 | * | |
| **Nozzle set** | | | | |
| **Art. No.** | 141416 | 16485 | 16519 | |

## SATAminijet 3000 LAB HVLP

| | |
|---|---|
| 189803 | SATAminijet 3000 LAB HVLP nozzle 1.2 SR, for cup quick change adapter, all material passages made of stainless steel, with spray pattern and test protocol |
| 197848 | SATAminijet 3000 LAB ROB HVLP nozzle 0.8 SR, for cup quick exchange adapter, all material passages made of stainless steel, with spray pattern and test protocol, nozzle head swivelled for quick change adapter |

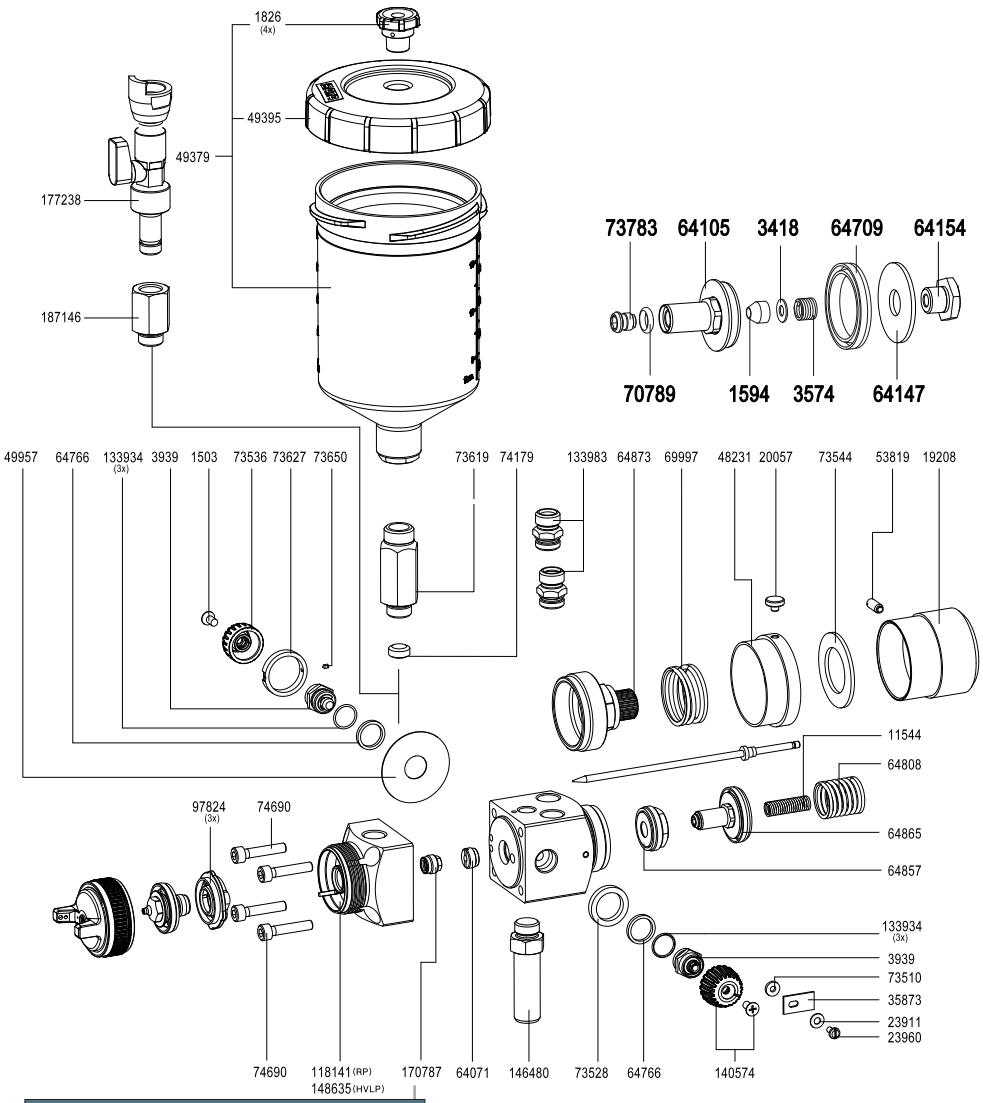
## SATA LP jet MSB LAB lab test spray gun

| | |
|---|---|
| 72595 | SATA LP90 lab test spray gun, all material passages made of stainless steel, nozzle MSB 1.35, 0.6 l PVC cup, with spray pattern and test protocol |
| 72603 | Nozzle set SATA LP90 lab test spray gun, nozzle MSB 1.35, with spray pattern and test protocol |
| 81786 | Nozzle set SATA LP90 ROB lab test spray gun MSB 1.35, with spray pattern and test protocol |

* available upon application

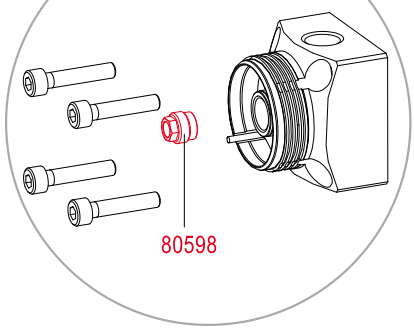
# Spare Parts SATAjet® 3000 LAB

| Art. No./Descr. |
|---|
| 1503<br>Countersunk screw M4 x 8 DIN 965, stainless steel, for micrometer und round/flat spray control |
| 1594<br>Teflon seal for paint needle jet, GR, LM and others |
| 1826<br>Anti-drip device (packing unit 4 pieces) |
| 3418<br>Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP |
| 3574<br>Pressure spring for |
| 3939<br>Spindle cpl. f. LP90 lab test gun |
| 11544<br>Pressure spring for paint needle |
| 19208<br>LP 90 regulation cap f. flexible material flow control, nickel-plated, ready for assembly |
| 20057<br>Control screw for flexible material flow control, LP90 |
| 23911<br>Disc 3.2 DIN 125, nickel-plated, for trigger spray-mix |
| 23960<br>Countersunk screw M 3 x 6, DIN 85 AM 3 x 6 4.8 galvanised |
| 35873<br>Scale for LP 90 lab test gun, anodised, with press cut holes |
| 48231<br>Scale ring for LP90 test gun, nickel-plated, with black engraving |
| 49379<br>0.6 l reusable plastic cup, cpl. |
| 49395<br>Screw-on lid for 0.6 l PVC cup with drip-catching ring and non-drip device |
| 49957<br>Scale plate for LP90 test gun |
| 53819<br>Flexible compression piece M5 for stroke retainer HKD-ED DINOL and LP 90, made of stainless steel |
| 64071<br>Seal retainer, cpl. air side |
| 64105<br>Control piston for SATA LP, ready for assembly |
| 64147<br>Washer for SATA LP90, ready for assembly |
| 64154<br>Hollow screw |
| 64709<br>Sleeve |
| 64766<br>Washer |
| 64808<br>Pressure spring |
| 64857<br>Seal retainer, cpl. with piston sealing |
| 64865<br>Control piston for SATA LP90, cpl. |
| 64873<br>Closing cap, cpl. |
| 69997<br>Pressure spring for LP90 lab test spray gun |
| 70789<br>O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90 |
| 73510<br>Washer for LP90 lab test gun |
| 73528<br>Blocking plate for LP90 test gun |
| 73536<br>Control knob |
| 73544<br>Distance plate for LP 90 test gun |
| 73619<br>Reduction nipple for LP 90 test gun - version for water borne paints |
| 73627<br>Index ring for LP90 test gun |
| 73650<br>Threaded pin M2 x 3 |
| 73783<br>Hexagonal socket head screw |

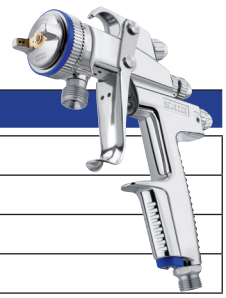



| Art. No./Descr. |
|---|
| 74179<br>Intermediate piece, plastic |
| 74690<br>Cylinder screw M 5x25, stainless steel |
| 170787<br>Seal retainer, cpl. material side |
| 97824<br>Air distribution ring (3 pieces) |
| 118141<br>Nozzle head, cpl., SATAjet 3000 LAB RP |
| 133934<br>Sealing (packing unit 3 pieces) for spindle |
| 133983<br>Air connection piece 1/4" male thread |
| 140574<br>Control knob with screw |
| 146480<br>Fixing bolt D 14 - G 1/4 |
| 148635<br>Nozzle head, cpl. |
| 177238<br>Cup quick change device with ball valve for the use of QCC reusable and disposable cups on SATA lab test spray guns |
| 187146<br>Reduction nipple with quick change unit |

Spray guns produced before 08/2014: Installation position of seal retainer above material passage
**Art. No. 80598**



# SATAjet® 3000 K RP®/HVLP



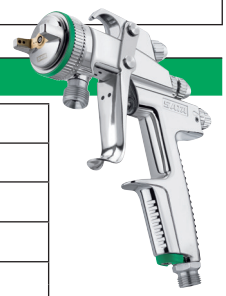
## SATAjet 3000 K RP

| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar – 3.0 bar |
| | Air consumption at 2.5 bar: 430 Nl/min |
| | Spray distance: 17 cm – 21 cm |
| | Material connection: 3/8" male thread |

| Nozzle | 0,8 | 1,1 | 1,3 | 1,5 | 1,7 | 2,0 |
|---|---|---|---|---|---|---|
| **Spray gun** | | | | | | |
| **Art. No.** | 92932 | 93336 | 93344 | 93351 | 93369 | 93377 |
| **Nozzle** | 0,8 | 1,1 | 1,3 | 1,5 | 1,7 | 2,0 |
| **Nozzle set** | | | | | | |
| **Art. No.** | 92494 | 92502 | 92510 | 92528 | 95422 | 95356 |

**available upon request**

Spray guns and nozzle sets with lifetime prolonging surface of fluid tip and paint needle.



## SATAjet 3000 K HVLP

| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar |
| | Air consumption at 2.5 bar: 560 Nl/min |
| | Spray distance: 10 cm – 15 cm |
| | Material connection: 3/8" male thread |

| Nozzle | 0,8 | 1,0 | 1,2 | 1,4 | 1,6 | 2,0 |
|---|---|---|---|---|---|---|
| **Spray gun** | | | | | | |
| **Art. No.** | 93385 | 92924 | 93393 | 193656 | 96164 | 96172 |
| **Nozzle** | 0,8 | 1,0 | 1,2 | 1,4 | 1,6 | 2,0 |
| **Nozzle set** | | | | | | |
| **Art. No.** | 92783 | 92791 | 92809 | 191379 | 92817 | 92825 |

**available upon request**

Spray guns and nozzle sets with lifetime prolonging surface of fluid tip and paint needle.

| Required accessories for SATA pressure fed spray guns | | |
|---|---|---|
| 92031 | SATA paint tube G 3/8" (female thread) - 3/8" (male thread) for SATA pressure fed spray guns |  |
| 38265 | SATA paint strainer 60 msh, G 3/8" (female thread) and 3/8" (male thread) for SATA pressure fed spray gun except for SATAminijet |  |

Further accessories together with material and air hoses see page 79 –81.

# SATAjet® 1000 K RP®/HVLP

## SATAjet 1000 K RP

| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar |
| | Air consumption at 2.5 bar: 410 Nl/min |
| | Spray distance: 17 cm – 21 cm |
| | Material connection: 3/8" male thread |

| Nozzle | 0,8 | 1,1 | 1,3 | 1.3 IP | 1,5 | 1,7 | 2,0 | 2,5 | 3,0 | 4,0 | 5,0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Spray gun** | | | | | | | | | | | |
| **Art. No.** | 132092 | 132100 | 132118 | 206490 | 132126 | 132134 | 132142 | 153486 | 153494 | | |
| | | | | | | | | | | 154336 | – |
| **Spray gun** with **lifetime prolonging surface** on fluid tip and paint needle | | | | | | | | | | | |
| **Art. No.** | 141903 | 141911 | 141929 | * | 141937 | 141945 | 141952 | – | – | – | – |
| **Spray gun** with **slit nozzle** | | | | | | | | | | | |
| **Art. No.** | – | – | – | – | – | – | – | 154344 | 154351 | 154369 | – |
| **Nozzle set** | | | | | | | | | | | |
| **Art. No.** | 132159 | 132167 | 132175 | 204222 | 132183 | 132191 | 132209 | 153528 | 153536 | | |
| | | | | | | | | | | 154377 | 154385 |
| **Nozzle set** with **lifetime prolonging surface** of fluid tip and paint needle | | | | | | | | | | | |
| **Art. No.** | 141648 | 141655 | 141663 | * | 141689 | 141697 | 141705 | 159442 | – | – | – |
| **Slit nozzle set** | | | | | | | | | | | |
| **Art. No.** | | | | | | | | 154393 | 154401 | 154419 | – |

### SATAjet 1000 K RP for adhesive applications

| | |
|---|---|
| 161232 | SATAjet 1000 K RP nozzle 1.6 D Drall material connection 3/8" (male thread) |
| 159707 | Nozzle set SATAjet 1000 K RP 1.6 Drall |
| 211979 | SATAjet 1000 K RP nozzle 1.3 DA for dispersion adhesives, material connection 3/8" (male thread) |
| 211961 | Nozzle set SATAjet 1000 K RP 1.3 DA, for dispersion adhesives |

## SATAjet 1000 K HVLP

| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar |
| | Air consumption at 2.5 bar: 530 Nl/min |
| | Spray distance: 10 cm – 15 cm |
| | Material connection: 3/8" male thread |

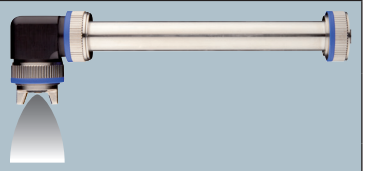
| Nozzle | 0,8 | 1,0 | 1,2 | 1,4 | 1,6 | 2,0 |
|---|---|---|---|---|---|---|
| **Spray gun** | | | | | | |
| **Art. No.** | 139196 | 139204 | 139212 | 193664 | 139220 | 139238 |
| **Spray gun** with **lifetime prolonging surface** on fluid tip and paint needle | | | | | | |
| **Art. No.** | 141960 | 141978 | 141986 | – | 142000 | 142018 |
| **Nozzle set** | | | | | | |
| **Art. No.** | 139253 | 139261 | 139279 | 191387 | 139287 | 139295 |
| **Nozzle set** with **lifetime prolonging surface** of fluid tip and paint needle | | | | | | |
| **Art. No.** | 141762 | 141770 | 141804 | – | 141812 | 141838 |

### Required accessories for SATA pressure fed spray guns

| | | |
|---|---|---|
| 92031 | SATA paint tube G 3/8" (female thread) - 3/8" (male thread) for SATA pressure fed spray guns | |
| 38265 | SATA paint strainer 60 msh, G 3/8" (female thread) and 3/8" (male thread) for SATA pressure fed spray gun except for SATAminijet | |

Further accessories together with material and air hoses see page 79–81. Extensions see page 50.

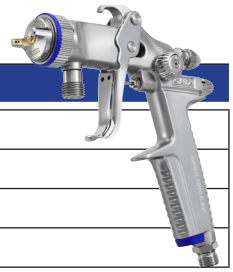
# Extensions for SATAjet® 1000 K RP®

| Extensions SATAjet 1000 K RP | | |
|---|---|---|
| 154435 | Extension with standard nozzle (0°), 20 cm with nozzle set 1.5 RP for SATAjet 1000 K RP |  |
| 154443 | Extension with standard nozzle (0°), 30 cm with nozzle set 1.5 RP for SATAjet 1000 K RP | |
| 154450 | Extension with standard nozzle (0°), 40 cm with nozzle set 1.5 RP for SATAjet 1000 K RP | |
| 154476 | Extension with diagonal spray nozzle (30°), 20 cm with nozzle set 1.6 RP for SATAjet 1000 K RP |  |
| 154484 | Extension with diagonal spray nozzle (30°), 30 cm with nozzle set 1.6 RP for SATAjet 1000 K RP | |
| 154492 | Extension with diagonal spray nozzle (30°), 40 cm with nozzle set 1.6 RP for SATAjet 1000 K RP | |
| 154518 | Extension with rotary nozzle (360°), 20 cm with nozzle set 1.6 RP for SATAjet 1000 K RP |  |
| 154526 | Extension with rotary nozzle (360°), 30 cm with nozzle set 1.6 RP for SATAjet 1000 K RP | |
| 154534 | Extension with rotary nozzle (360°), 40 cm with nozzle set 1.6 RP for SATAjet 1000 K RP | |
| 154559 | Extension with angular head nozzle (90°), 20 cm with nozzle set 1.5 RP for SATAjet 1000 K RP |  |
| 154567 | Extension with angular head nozzle (90°), 30 cm with nozzle set 1.6 RP for SATAjet 1000 K RP | |
| 154575 | Extension with angular head nozzle (90°), 40 cm with nozzle set 1.5 RP for SATAjet 1000 K RP | |

Further extensions are available upon request.

| Spray gun without nozzle set for extensions | |
|---|---|
| 154930 | SATAjet 1000 K RP without nozzle set material connection 3/8" (male thread) |

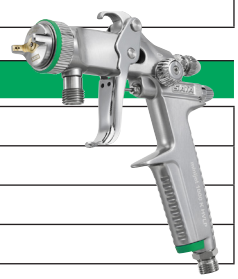
# SATAminijet® 1000 K RP®/HVLP



## SATAminijet 1000 K RP

| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar |
| | Air consumption at 2.5 bar: 200 Nl/min |
| | Spray distance: 17 cm - 21 cm |
| | Material connection: 1/4" male thread |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 | 1,4 |
|---|---|---|---|---|---|---|
| **Spray gun** | | | | | | |
| **Art. No.** | 187450 | 187468 | 187476 | 187484 | 187492 | 197152 |
| **Nozzle set** | | | | | | |
| **Art. No.** | 187625 | 187633 | 187641 | 187658 | 187666 | 197160 |



## SATAminijet 1000 K HVLP

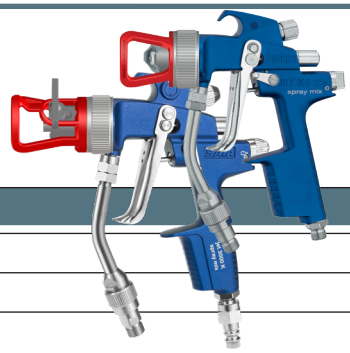
| Technical Data | |
|---|---|
| | Inlet pressure: 2.5 bar |
| | Air consumption at 2.0 bar: 120 Nl/min |
| | Spray distance: 10 cm - 15 cm |
| | Material connection: 1/4" male thread |

| Nozzle | 0,3 | 0,5 | 0,8 | 1,0 | 1,2 |
|---|---|---|---|---|---|
| **Spray gun** | | | | | |
| **Art. No.** | 190280 | 190298 | 190306 | 190314 | 190322 |
| **Nozzle set** | | | | | |
| **Art. No.** | 190348 | 190355 | 190363 | 190371 | 190389 |

| Required Accessories | | |
|---|---|---|
| 187419 | SATA paint tube G 1/4 female thread - 1/4" male thread |  |
| 187690 | SATA paint strainer 60 msh, 1/4" (male thread) |  |
| 199018 | SATA paint tube G 1/4" (female thread) - 3/8" (male thread) |  |

Further accessories as well as material and air hoses see pages 79-81.

# SATAjet® 3000 K spray mix



| SATAjet 3000 K spray mix | |
|---|---|
| **Technical Data** | Max. operating pressure atomisation air: 10.0 bar |
| | Max. operating pressure material: 250.0 bar |
| | Weight incl. material filter: 650 g |

| Spray mix gun | |
|---|---|
| 120006 | SATAjet 3000 K spray mix with paint tube, strainer 100 msh, without paint nozzle |

| Spray mix spray gun with inversion switch | |
|---|---|
| 120014 | SATAjet 3000 K spray mix with paint tube, strainer 100 msh, inversion switch, without inversion nozzle |
| 207530 | Retrofit kit, inversion switch without inversion nozzle for SATAjet 4800 K spray mix / 3000 K spray mix |

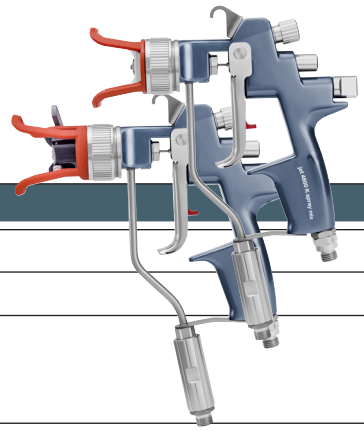
**Nozzles SATAjet 3000 K spray mix (not included in the scope of delivery of the Spray mix gun)**

| Fluid tip | | Inversion nozzle for inversion switch | | Technical Data | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nozzle No. | Art. No. | Nozzle No. | Art. No. | ø mm | ø inch | Angle | Width | l/min at 70 bar (1015 psi) | | Strainer |
| 1840 | 23044 | | | 0,18 | 0,007 | 40° | 18 | 0,16 | | |
| 2325 | 7328 | | | 0,23 | 0,009 | 25° | 14 | 0,23 | 200 msh 85 µm | 74856 Set of four pcs. |
| 2350 | 7435 | | | 0,23 | 0,009 | 50° | 22 | 0,23 | | |
| 2360 | 74922 | | | 0,23 | 0,009 | 60° | 24 | 0,23 | | |
| | | 2550 | 207548 | 0,25 | 0,010 | 20°/50° | 14/22 | 0,25 | | |
| 2825 | 16998 | | | 0,28 | 0,011 | 25° | 14 | 0,30 | | |
| 2850 | 50906 | | | 0,28 | 0,011 | 50° | 22 | 0,30 | | |
| 2865 | 13771 | | | 0,28 | 0,011 | 65° | 26 | 0,30 | | |
| | | 3050 | 207555 | 0,30 | 0,012 | 20°/50° | 14/22 | 0,38 | | |
| 3325 | 20206 | | | 0,33 | 0,013 | 25° | 14 | 0,45 | 100 msh 150 µm | 12278 Set of four pcs. |
| 3350 | 50898 | | | 0,33 | 0,013 | 50° | 23 | 0,45 | | |
| 3365 | 13789 | | | 0,33 | 0,013 | 65° | 28 | 0,45 | | |
| 3375 | 74930 | | | 0,33 | 0,013 | 75° | 32 | 0,45 | | |
| 3390 | 73742 | | | 0,33 | 0,013 | 90° | 40 | 0,45 | | |
| | | 3550 | 207563 | 0,35 | 0,014 | 20°/50° | 14/24 | 0,50 | | |
| 3825 | 13797 | | | 0,38 | 0,015 | 25° | 15 | 0,61 | | |
| 3850 | 7344 | | | 0,38 | 0,015 | 50° | 25 | 0,61 | | |
| 3882 | 74948 | | | 0,38 | 0,015 | 82° | 34 | 0,61 | | |
| | | 4050 | 207571 | 0,40 | 0,016 | 20°/50° | 14/25 | 0,70 | | |
| 4650 | 19307 | | | 0,46 | 0,018 | 50° | 25 | 0,95 | 60 msh 250 µm | 12260 Set of four pcs. |
| 4682 | 74955 | | | 0,46 | 0,018 | 82° | 35 | 0,95 | | |
| 5370 | 150276 | | | 0,53 | 0,021 | 70° | 33 | 1,28 | | |
| 6050 | 17004 | | | 0,60 | 0,024 | 50° | 31 | 1,59 | | |

Nozzle No.: XX YY
- XX → Angle
- YY → ø mm

Hose pairs see pages 80-81.

# SATAjet® 4800 K spray mix



| SATAjet 4800 K spray mix | |
|---|---|
| **Technical Data** | Max. operating pressure atomisation air: 10.0 bar |
| | Max. operating pressure material: 250.0 bar |
| | Weight incl. material filter: 760 g |

| Spray mix gun | |
|---|---|
| 1006354 | SATAjet 4800 K spray mix with paint tube, strainer 100 msh, without paint nozzle |

| Spray mix spray gun with inversion switch | |
|---|---|
| 1006346 | SATAjet 4800 K spray mix with paint strainer 100 msh, material and air swivel joint, inversion switch without inversion nozzle |
| 207530 | Retrofit kit, inversion switch without inversion nozzle for SATAjet 4800 K spray mix / 3000 K spray mix |

**Nozzle SATAjet 4800 K spray mix (not contained in delivery of the Spray mix gun)**

| **Fluid tip**<br><br>**Euro 94.90 (4)**<br>**Euro 123.10 (4)*** | | **Inversion nozzle for inversion switch**<br><br>**Euro 159.70 (4)** | | **Technical Data** | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Nozzle No.** | **Art. No.** | **Nozzle No.** | **Art. No.** | **ø mm** | **ø inch** | **Angle** | **Width** | **l/min at 70 bar (1015 psi)** | | **Strainer** |
| 1840 | 23044* | | | 0,18 | 0,007 | 40° | 18 | 0,16 | | |
| 2325 | 7328 | | | 0,23 | 0,009 | 25° | 14 | 0,23 | 200 msh 85 µm | 74856 Set of four pcs. |
| 2350 | 7435 | | | 0,23 | 0,009 | 50° | 22 | 0,23 | | |
| 2360 | 74922 | | | 0,23 | 0,009 | 60° | 24 | 0,23 | | |
| | | 2550 | 207548 | 0,25 | 0,010 | 20°/50° | 14/22 | 0,25 | | |
| 2825 | 16998 | | | 0,28 | 0,011 | 25° | 14 | 0,30 | | |
| 2850 | 50906 | | | 0,28 | 0,011 | 50° | 22 | 0,30 | | |
| 2865 | 13771 | | | 0,28 | 0,011 | 65° | 26 | 0,30 | | |
| | | 3050 | 207555 | 0,30 | 0,012 | 20°/50° | 14/22 | 0,38 | | |
| 3325 | 20206 | | | 0,33 | 0,013 | 25° | 14 | 0,45 | 100 msh 150 µm | 12278 Set of four pcs. |
| 3350 | 50898 | | | 0,33 | 0,013 | 50° | 23 | 0,45 | | |
| 3365 | 13789 | | | 0,33 | 0,013 | 65° | 28 | 0,45 | | |
| 3375 | 74930 | | | 0,33 | 0,013 | 75° | 32 | 0,45 | | |
| 3390 | 73742 | | | 0,33 | 0,013 | 90° | 40 | 0,45 | | |
| | | 3550 | 207563 | 0,35 | 0,014 | 20°/50° | 14/24 | 0,50 | | |
| 3825 | 13797 | | | 0,38 | 0,015 | 25° | 15 | 0,61 | | |
| 3850 | 7344 | | | 0,38 | 0,015 | 50° | 25 | 0,61 | | |
| 3882 | 74948 | | | 0,38 | 0,015 | 82° | 34 | 0,61 | | |
| | | 4050 | 207571 | 0,40 | 0,016 | 20°/50° | 14/25 | 0,70 | | |
| 4650 | 19307 | | | 0,46 | 0,018 | 50° | 25 | 0,95 | 60 msh 250 µm | 12260 Set of four pcs. |
| 4682 | 74955 | | | 0,46 | 0,018 | 82° | 35 | 0,95 | | |
| 5370 | 150276 | | | 0,53 | 0,021 | 70° | 33 | 1,28 | | |
| 6050 | 17004 | | | 0,60 | 0,024 | 50° | 31 | 1,59 | | |

Nozzle No.: XX YY
- XX → Angle
- YY → ø mm

Hose pairs see page 80 –81

# Digital pressure setting with SATA

For more information on SATA pressure measuring devices, please contact your SATA dealer or visit **www.sata.com**

| | | SATAjet 5000 | SATAjet 4000 | SATAjet 3000 | SATAjet 1000 | SATAjet 100 | SATAjet B, SATAjet GR | SATAminijet 4400 B, SATAminijet 3000, B SATAminijet 4 | SATA dry jet | Competitor spray guns | Retrofitting micrometer with pressure gauge #27771 | Retrofitting atomisation air control gauge #4002 | Filters and systems with G 1/8" female thread |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | **211540** SATA adam 2 | X | – | – | – | – | – | – | – | – | – | – | – |
|  | **1031723** SATA adam 2 black | X | – | – | – | – | – | – | – | – | – | – | – |
|  | **160846** SATA adam 2 | – | X | X | X | X | X | – | – | – | – | – | – |
|  | **160879** SATA adam 2 mini | – | – | – | – | – | – | X | – | – | – | – | – |
|  | **195214** SATA adam 2 U | X | X | X | X | X | X | X | X | X | – | – | – |
|  | **195925** SATA dock with 1/8" (male thread) | – | – | – | – | – | – | – | – | – | X | X | X |

| Pressure manometer and micrometer | | |
|---|---|---|
| 27771 | SATA air micrometer with gauge, 1/4" (male thread and G 1/4" (female thread) |  |
| 4002 | Spray pressure control unit |  |
| 9860 | SATA air micrometer 0-845, 1/4" (male thread) and G 1/4" (female thread) |  |


SATA
air vision 5000
SATA

# SATA® air vision™ 5000

| SATA air vision 5000 | |
|---|---|
| **Technical Data** | Required operating pressure without spray gun: 2.5 bar – 3,0 bar |
| | Required operating pressure with spray gun (connected with 1.2 m gun hose): 4.0 bar – 6,0 bar |
| | Maximum operating pressure: 10.0 bar |
| | Required minimum air volume flow: 150 Nl/min |
| | Maximum air volume flow (at 6 bar, air distributor fully opened): 740 Nl/min |

| Available versions | | |
|---|---|---|
| 213819 | SATA air vision 5000 set (Int.)<br>Version **without** activated charcoal adsorber |  |
| 1000249 | SATA air vision 5000 respirator hood (Int.) |  |
| 1000124 | SATA air vision 5000 carbon set (Int.)<br>Version **with** activated charcoal adsorber |  |
| 1000190 | SATA air regulator (Int.) for SATA air vision 5000 |  |
| 1000108 | SATA air regulator set (Int.) |  |
| 1030668 | SATA air regulator belt plus (Int.) |  |
| 1000215 | SATA air regulator belt (Int.) for SATA air vision 5000 |  |
| 1000059 | SATA air carbon regulator set (Int.) |  |
| 1000132 | SATA air warmer carbon (Int.) for SATA air carbon regulator |  |
| 1000166 | SATA air carbon regulator (Int.) for SATA air vision 5000 |  |

| Available versions | | |
|---|---|---|
| 1000299 | SATA air humidifier (Int.) for SATA air vision 5000 |  |
| 1007005 | SATA air warmer, incl. adapter plate and hip pad for SATA air vision 5000 |  |
| 1006982 | SATA air cooler, incl. adapter plate and hip pad for SATA air vision 5000 |  |

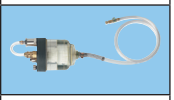
| Accessories | | |
|---|---|---|
| 13870 | SATA air hose, blue, 9mm, 1.2 m with quick coupling, red and nipple |  |
| 49080 | Safety compressed air supply hose CE 10 mm, f. SATA respirators CE version, 6 m long, cpl. according to DIN EN 139/270 |  |
| 176792 | Safety compressed air supply hose CE 10m ø 10 mm DIN EN 139/270 for SATA respirators | |
| 180851 | Safety compressed air supply hose CE 40m, 10mm, DIN EN 139/270 for SATA respirators | |
| | Activated charcoal filter, incl. filter caps, packaging unit 2 pcs. for SATA air carbon regulator |  |

# SATA® vision™ 2000

| SATA vision 2000 | |
|---|---|
| **Technical Data** | Required operating pressure: 4.0 bar |
| | Required minimum air volume flow: 170 Nl/min |

| SATA vision 2000 with activated charcoal belt unit | | |
|---|---|---|
| 69500 | SATA respirator kit vision 2000, with activated charcoal adsorber |  |
| 52712 | Hood for full face respirator vision 2000, with head / chest cloth over hood | |
| 54015 | Belt unit with activated charcoal adsorber and air regulation valve for SATA vision 2000 and respirator hood CE industry with UV protection |  |
| 173880 | SATA respirator kit in systainer: SATA vision 2000 and belt unit with activated charcoal adsorber and air regulation valve, SATA air warmer, SATA air hose 1.2 m | |

| SATA vision 2000 without activated charcoal belt unit | | |
|---|---|---|
| 154591 | SATA hood Vision 2000 with industrial belt unit, T-piece and hose coupling |  |
| 52712 | Hood for full face respirator vision 2000, with head / chest cloth over hood | |
| 122341 | Belt unit with T-piece and air regulation valve for SATA vision 2000, respirator hood CE industry with UV protection, air star C | |
| 58941 | Belt unit with air regulation valve for SATA vision 2000, respirator hood CE industry with UV protection, air star C | |

| Accessories | | |
|---|---|---|
| 61242 | Air warmer w. micrometer for SATA respirators |  |
| 89086 | SATA top air breathing air humidifier |  |
| 13870 | SATA air hose, blue, 9mm, 1.2 m with quick coupling, red and nipple |  |
| 49080 | Safety compressed air supply hose CE 10 mm, f. SATA respirators CE version, 6 m long, cpl. according to DIN EN 139/270 |  |
| 176792 | Safety compressed air supply hose CE 10m ø 10 mm DIN EN 139/270 for SATA respirators | |
| 180851 | Safety compressed air supply hose CE 40m, 10mm, DIN EN 139/270 for SATA respirators | |

| SATA hood with UV protection < 380 nm wave length | |
|---|---|
| 67595 | SATA respirator hood CE, head cloth w. chest cover |

# SATA® air star C

| SATA air star | |
|---|---|
| **Technical Data** | Required minimum operating pressure: 4.0 bar |
| | Required minimum air volume flow: 150 Nl/min |
| | Maximum air volume flow: 305 Nl/min |

| SATA air star with Activated Charcoal Belt Unit | | |
|---|---|---|
| 137554 | SATA respirator kit: SATA air star C and belt unit with activated charcoal filter and air regulation valve, disposable hood |  |
| 137588 | SATA air star C half mask with breathing hose, without filter |  |
| 55798 | Belt unit with activated charcoal adsorber and air regulation valve for SATA air star C |  |

| SATA air star without Activated Charcoal Belt Unit | | |
|---|---|---|
| 137570 | SATA air star C half mask and belt unit with T-piece, special version |  |
| 137588 | SATA air star C half mask with breathing hose, without filter | |
| 122341 | Belt unit with T-piece and air regulation valve for SATA vision 2000, respirator hood CE industry with UV protection, air star C |  |
| 58941 | Belt unit with air regulation valve for SATA vision 2000, respirator hood CE industry with UV protection, air star C |  |

| Accessories | | |
|---|---|---|
| 61242 | Air warmer w. micrometer for SATA respirators |  |
| 89086 | SATA top air breathing air humidifier |  |
| 13870 | SATA air hose, blue, 9mm, 1.2 m with quick coupling, red and nipple |  |
| 49080 | Safety compressed air supply hose CE 10 mm, f. SATA respirators CE version, 6 m long, cpl. according to DIN EN 139/270 |  |
| 176792 | Safety compressed air supply hose CE 10m ø 10 mm DIN EN 139/270 for SATA respirators | |
| 180851 | Safety compressed air supply hose CE 40m, 10mm, DIN EN 139/270 for SATA respirators | |

# Accessories for SATA vision 2000/SATA air star C

| | | |
|---|---|---|
| **Accessories and air hoses** | | |
| 13904 | Activated charcoal cartridge for SATA activated charcoal adsorber |  |
| 15412 | Suspender belt for SATA belt units SATA air star C und SATA vision 2000 |  |
| 13870 | SATA air hose, blue, 9mm, 1.2 m with quick coupling, red and nipple |  |
| 49080 | Safety compressed air supply hose CE 10 mm, f. SATA respirators CE version, 6 m long, cpl. according to DIN EN 139/270 |  |
| 176792 | Safety compressed air supply hose CE 10m ø 10 mm DIN EN 139/270 for SATA respirators | |
| 180851 | Safety compressed air supply hose CE 40m, 10mm, DIN EN 139/270 for SATA respirators | |
| **Breathing air humidifier and breathing air warmer** | | |
| 89086 | SATA top air breathing air humidifier |  |
| 61242 | Air warmer w. micrometer for SATA respirators |  |
| **Cleaning cloths** | | |
| 134965 | SATA half mask cleaner (packing unit 10 pieces) |  |
| 135020 | SATA half mask cleaner (packing unit 50 pieces) | |
| 75358 | SATA wet & dry cleaner (packing unit 10 pieces) |  |
| 83881 | SATA wet & dry cleaner, (packing unit 50 pieces) | |
| **Head covers for SATA vision 2000** | | |
| 60541 | Head / chest scarf, grey, over hood for SATA vision 2000 |  |
| 56762 | Grey head cloth w. chest cover for respirators |  |

# SATA® air star® F

Filtering mask for short usage periods during small paint jobs.

| SATA air star F | | |
|---|---|---|
| 134353 | SATA air star F, filter A2:P3 D, 2 pre-filter holders and 10 pre-filters |  |
| 134288 | SATA air star F (Int.) , filter A2:P3 D, 2 pre-filter holders and 10 pre-filters, with hygiene box |  |

| Accessories | | |
|---|---|---|
| 91553 | Storage box for SATA air star F |  |
| 134965 | SATA half mask cleaner (packing unit 10 pieces) |  |
| 135020 | SATA half mask cleaner (packing unit 50 pieces) | |

| Spare parts for SATA air star F | | |
|---|---|---|
| 134262 | Pre-filter (packing unit 10 pieces) for SATA air star F |  |
| 134239 | Pre-filter (packing unit 50 pieces) for SATA air star F | |
| 134296 | 1 Pair of special filters A2:P3 D for SATA air star F |  |
| 134312 | Pack of 3 pairs of special filters A2:P3 D for SATA air star F | |
| 134304 | Pack of 6 pairs of special filters A2:P3 D for SATA air star F | |
| 134247 | Pre-filter holder, red (packing unit 2 pieces) and pre-filter (packing unit 10 pieces) for SATA air star F |  |

# SATA® AB1™ - Breathing air humidifier and breathing air warmer

The application of paint and other hazardous material requires health protection through air supplied breathing protection equipment. However, full face breathing masks are often seen as an unwelcome necessity, due to undesirable secondary effects of modern compressed air systems and refrigerant dryers: The compressed air reaching the breathing mask is too dry and cold. As a result, painters feel uncomfortable and are unhappy wearing full face masks. Furthermore, the mucous membranes in mouth and nose dry out, leading to respiratory issues.

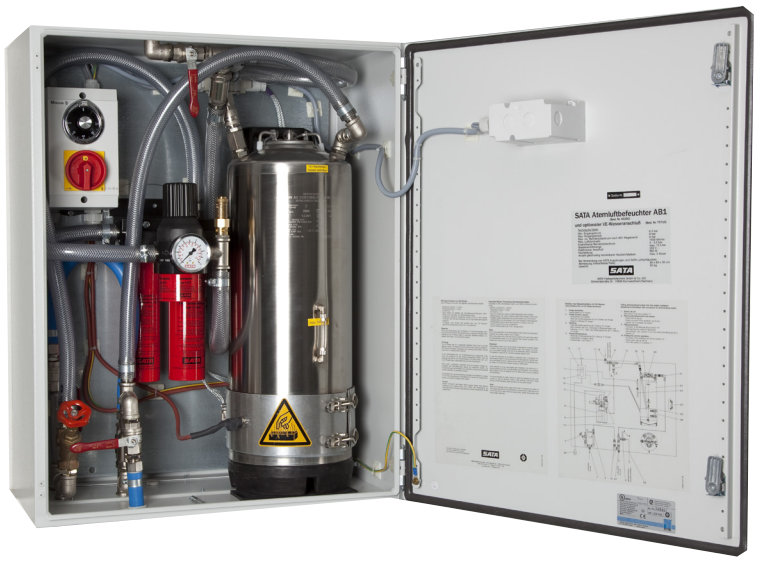
The breathing air humidifier and air warmer SATA AB1 helps prevent these problems. It provides comfortable breathing conditions inside the mask and significantly increases their acceptance.

## Operating mode

- The SATA AB1 first filters, then humidifies and warms compressed air while it streams through hot water. The temperature can be infinitely variably regulated between 20° C and 25° C.
- Thanks to a bypass connection, SATA AB1 can be filled with demineralised water needed for humidity even when in use. It is thus possible to avoid interrupting work in progress.
- The SATA AB1 is designed to supply up to five full face breathing masks, provided the air pipe system has large enough pipes and insulation.

## Field of Application

Industrial workplaces where several breathing protection masks are simultaneously used in continous operation.



| Art. No./Descr. |
|---|
| 46250<br>SATA breathing air humidifier AB1 for air inline installation with integrated fine filter, active charcoal filter and connection for deionised water |
| 86892<br>Automatic condensate drain module, G 1/2" (female thread) for pipeline installation |
| 83394<br>Throttle screw for breathing air humidifier |

## Technical Details

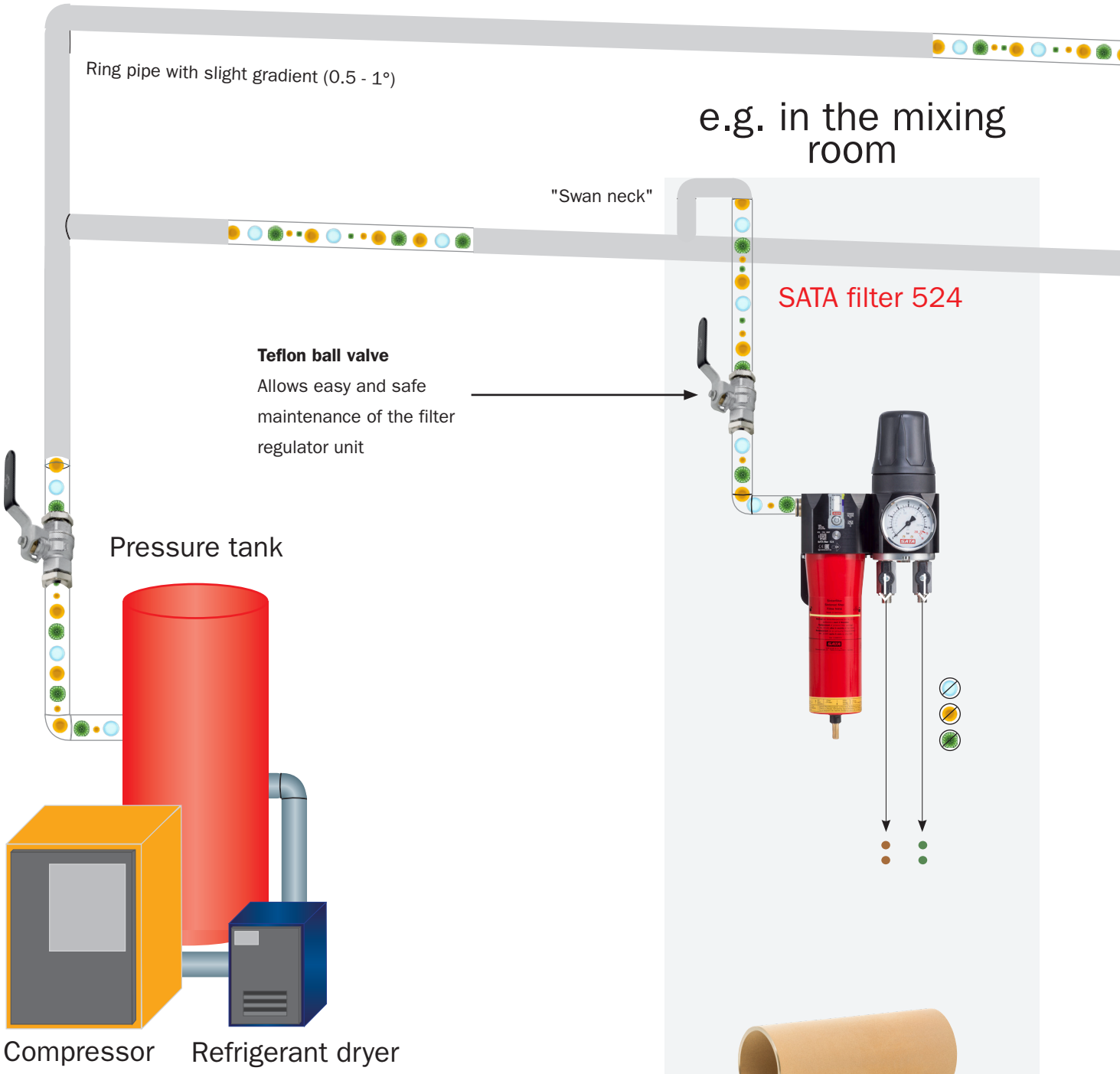
| | |
|---|---|
| Dimensions (b x h x d) | 900 mm x 600 mm x 350 mm |
| Weight | approx. 50 kg |
| Relative breathing air humidity* (approx.) | 22 – 25% |
| Breathing air temperature** (approx.) | 20 – 25° C |
| Min. inlet pressure | 6.5 bar |
| Max. inlet pressure | 8.0 bar |
| Recommended operating pressure | 4.0 - 5.5 bar |
| Max. allowed operating pressure after AB1 regulation valve | 6.0 bar |
| Max. air flow | 1900 Nl/min |
| Recommended operating pressure | 4.0 – 5.5 bar |
| Water filling quantity | max. 10 l |
| Electrical connection | 230 V~ |
| Heating power | 800 W |

* Depending on air inlet pressure and heating temperature

** With heating switched on (depending on insulation/length of tubes and heating temperature)


CHANGE FILTERS
CHECK FILTER
SATA filter 584
AIR
Sinterfilter
Sintered filter
Filtre fritté
Made in Germany
Feinfilter
Fine filter
Filtre submicronique
Made in Germany
Aktivkohlefilter
Activated charcoal
Filtre a charbon
Made in Germany
SATA

# Technical layout of an air line circuit




**Compressed air generated by the compressor can be contaminated with various substances:**

- Oil droplets
- Oil vapours
- Condensate / water vapour
- Particles > 5 µm
- Particles > 0.01 µm



**First filter stage: Oil/water separator with sintered filter**

- The sintered filter separates particles > 5 µm.
- Exchange interval: every 6 months.
- Not sufficient for spraying or for breathing

e.g. in the spray booth

Spray booth

SATA filter 544

99.998 % technically particle-free air

SATA filter 584


100 % technically particle-free air

**Additional second filter stage: fine filter**

- The fine filter separates particles > 0.01 µm;
  Capacity of particle filtration: 99.998 %.
- Exchange interval: every 6 months.
- Compressed air not suitable for waterborne paints. However, breathing air quality in combination with belt-hung activated charcoal filter.

**Additional third filter stage: activated charcoal filter**

- Activated charcoal adsorbes oil vapours from the compressed air.
- Exchange interval: every 6 months.
- Compressed air also suitable for water-borne paints and breathing air

# SATA® filter 100 prep™/101 prep™/103 prep™

## SATA filter 100 prep/101 prep/103 prep

| Technical Data | |
|---|---|
| | Air inlet: G 1/2" female thread |
| | Air outlet: 1/4" male thread |
| | Max. inlet operating pressure: 10.0 bar |
| | Max. outlet operating pressure: 10.0 bar |
| | Air flow at 6.0 bar: 800 Nl/min |
| | Max. ambient temperature: 50 °C |

## Available versions

| | | |
|---|---|---|
| 148247 | SATA filter 100 prep double-stage sinter filter/fine filter with pressure regulator outlet (1 x 1/4" male thread) |  |
| 157412 | SATA filter 101 prep single-stage activated charcoal filter to retrofit filter 100 prep to filter 103 prep |  |
| 157420 | SATA filter 103 prep triple-stage sinter filter/fine filter/activated charcoal filter with pressure regulator and 1 outlet tap (1/4" male thread) |  |

## SATA filter 100er Baureihe – Technische Daten

| Typ | SATA filter 100 prep | SATA filter 103 prep |
|---|---|---|
| |  |  |
| Abscheidegrad | 99,998%<br>technisch partikelfreie Luft (bezogen auf Partikelgröße >0,01 µm) | |
| Feinfilter | Sinterfilter: 5 µm<br>Feinfilter: 0,1 µm | |
| Luftdurchsatz | 800 Nl/min bei 6 bar | |
| Temperaturbeständigkeit | bis 50°C | |
| Lufteingang | G ½" | |
| Luftabgang | ¼" Außengewinde | |

# SATA® filter 414™/ 424™/ 434™/ 464™/ 474™/ 484™

| SATA filter 414/424/434/464 | |
|---|---|
| Technical Data | Air inlet: G 1/2" female thread |
| | Air outlet: 1/4" (male thread) |
| | Max. inlet operating pressure: 15.0 bar |
| | Max. outlet operating pressure: 10.0 bar |
| | Air flow at 6.0 bar: 3600 Nl/min |
| | Max. ambient temperature: 120 °C |
| | Max. ambient temperature with activated charcoal: 60 °C |

| | | |
|---|---|---|
| **Pressure regulator/water separator** | | |
| 92213 | SATA filter 414 single-stage sinter filter without pressure regulator, with outlet module (2 x 1/4" male thread) |  |
| 92254 | SATA filter 414 L single-stage sinter filter without pressure regulator, for pipeline installation (G 1/2" female thread) | |
| 92221 | SATA filter 424 single-stage sinter filter, pressure regulator, outlet module (2 x 1/4" male thread) |  |
| 92262 | SATA filter 424 L single-stage sinter filter, pressure regulator, for pipeline installation (G 1/2" female thread) | |
| **Fine filter** | | |
| 92239 | SATA filter 434 single-stage fine filter without pressure regulator, with outlet module (2 x 1/4" male thread) |  |
| 92270 | SATA filter 434 L single-stage fine filter without pressure regulator for pipeline installation (G 1/2" female thread) | |
| **Activated charcoal filter to retrofit SATA filter 444** | | |
| 141473 | SATA filter 464 add-on kit single-stage activated charcoal filter without pressure regulator to retrofit SATA filter 444 to SATA filter 484 |  |
| 92247 | SATA filter 464 single-stage activated charcoal filter without pressure regulator, with outlet module (2 x 1/4" male thread) |  |
| **Activated charcoal filter to retrofit SATA filter 444** | | |
| 92296 | SATA filter 444 double-stage sinter filter/fine filter with pressure regulator and outlet module (2 x 1/4" male thread) |  |
| 92304 | SATA filter 444 L double-stage sinter filter/fine filter with pressure regulator, for pipeline installation (G 1/2" female thread) | |
| 92312 | SATA filter 474 double-stage fine filter/activated charcoal without pressure regulator with outlet module (2 x 1/4" male thread) |  |
| 92320 | SATA filter 484 triple-stage sinter filter/fine filter/activated charcoal with pressure regulator and outlet module (2 x 1/4" male thread) |  |

# SATA® filter 520™/524™/544™/564™/584™

| SATA filter 400 | |
|---|---|
| **Technical Data** | Air inlet: G 1/2" female thread |
| | Air outlet: 1/4" male thread |
| | Max. inlet operating pressure: 15.0 bar |
| | Max. outlet operating pressure: 15.0 bar 10.0 bar |
| | Air flow at 6.0 bar: approx. 3,800 Nl/min |
| | Max. ambient temperature: 120 °C |
| | Max. ambient temperature with activated charcoal: 60 °C |

| Combi filter | | |
|---|---|---|
| 1101667 | SATA pressure reducer with gauge 0-10 bar (0-145 psi), air outlet G 1/2" (female thread) |  |
| 1101659 | SATA filter 524 single-stage sinter filter, pressure regulator, outlet module (2 x 1/4" male thread) |  |
| 1101641 | SATA filter 524 L single-stage sinter filter, pressure regulator, for pipeline installation (G 1/2" female thread) |  |
| 1101005 | SATA filter 564 add-on kit activated charcoal filter to retrofit SATA filter 544 to SATA filter 584 |  |
| 1100990 | SATA filter 544 double-stage sinter filter/fine filter with pressure regulator and outlet module (2 x 1/4" male thread) |  |
| 1099953 | SATA filter 584 triple-stage sinter filter/fine filter/activated charcoal with pressure regulator and outlet module (2 x 1/4" male thread) (Int.) |  |
| 1101625 | SATA filter 584 with carrying support triple-stage sinter filter/fine filter/activated charcoal, pressure regulator, outlet module (2 x 1/4" male thread) |  |
| 1101675 | SATA filter 584 mobil, triple-stage sintered filter/fine filter/activated charcoal with pressure regulator, air outlet (2x quick coupling) and SATA air hose, 13 mm with trolley |  |

| | | |
|---|---|---|
| **Filter cartridges** | | |
| 22160 | Sintered filter for SATA filter series 100, 200, 300 and 400 |  |
| 1097999 | Fine filter cartridge for SATA filter series 500 |  |
| 1098004 | Activated charcoal cartridge for SATA filter series 500 |  |
| 1101500 | SATA filter cover (packing unit 4 pieces) for SATA filter series 500 |  |
| 206151 | SATA filter timer for sinter filter |  |
| 1098054 | Service kit for SATA filter series 500: with fine filter and activated charcoal cartridge |  |
| **Filter accessories** | | |
| 13599 | SATA quick coupling G 1/4" (female thread) |  |
| 1107269 | SATA high-flow coupling, red, packaging unit 2 pcs. for SATA filter series 500 |  |
| 158824 | Manifold for extension with 2 ball valves for SATA filter series 400 |  |
| 10934 | Ball tap (Teflon) 1/2" male thread for air inlet SATA filter series 100, 300, 400 and cleaning devices |  |
| 9878 | SATA mini filter 1/4" (male thread) |  |
| **Air quality control** | | |
| 156299 | SATA air tester, atomisation air quick tester |  |
| 7096 | SATA air check set compressed air quality control device for optimum spray air |  |
| 7666 | Diaphragm (packing unit 10 pieces) for SATA air check set | |
| 1107350 | Service chart for the spray booth, A3, German / English for SATA filter series 500 |  |
| 1101500 | SATA filter cover (packing unit 4 pieces) for SATA filter series 500 |  |

# Schnittmodell SATA filter 584

| SATA filter 500er Baureihe – Technische Daten | | |
|---|---|---|
| **Typ** | **SATA filter 544**  | **SATA filter 584**  |
| Abscheidegrad | 99,998% technisch partikelfreie Luft (bezogen auf Partikelgröße > 0,01 µm) | 100% technisch partikelfreie Luft (bezogen auf Partikelgröße > 0,01 µm) |
| Feinfilter | Sinterfilter: 5 µm<br>Feinfilter: 0,01 µm | |
| Luftdurchsatz | 3.800 Nl/min bei 6 bar | |
| Temperaturbeständigkeit | bis 120°C | bis 120°C; bei Aktivkohlefilter bis 60°C |
| Lufteingang | G ½" Innengewinde | |
| Luftabgang | ¼" Außengewinde | |

Large pressure regulator for a precise setting of the required outlet pressure

SATA filter timer to monitor the filter cartridge exchange intervals of all filter stages

Air inlet G ½“ female thread; air flow: approx. 3,800 Nl/min (135 cfm) at 6 bar (87 psi) In-line installation from the left or the right side possible

Flow-optimized cyclone separator with high separation efficiency of particles > 5 µm

Air outlet with ball valves (¼" male thread) – (optional: SATA high flow quick couplings)

Automatic condensate discharge valve – high operating security, low service requirement

First filter stage: Sintered filter to separate particles > 5 µm; filter cleaning and exchange interval: every 6 months

Second filter stage: Fine filter cartridge to separate particles > 0.01 µm; separation efficiency 99.998 %; exchange interval: every 6 months

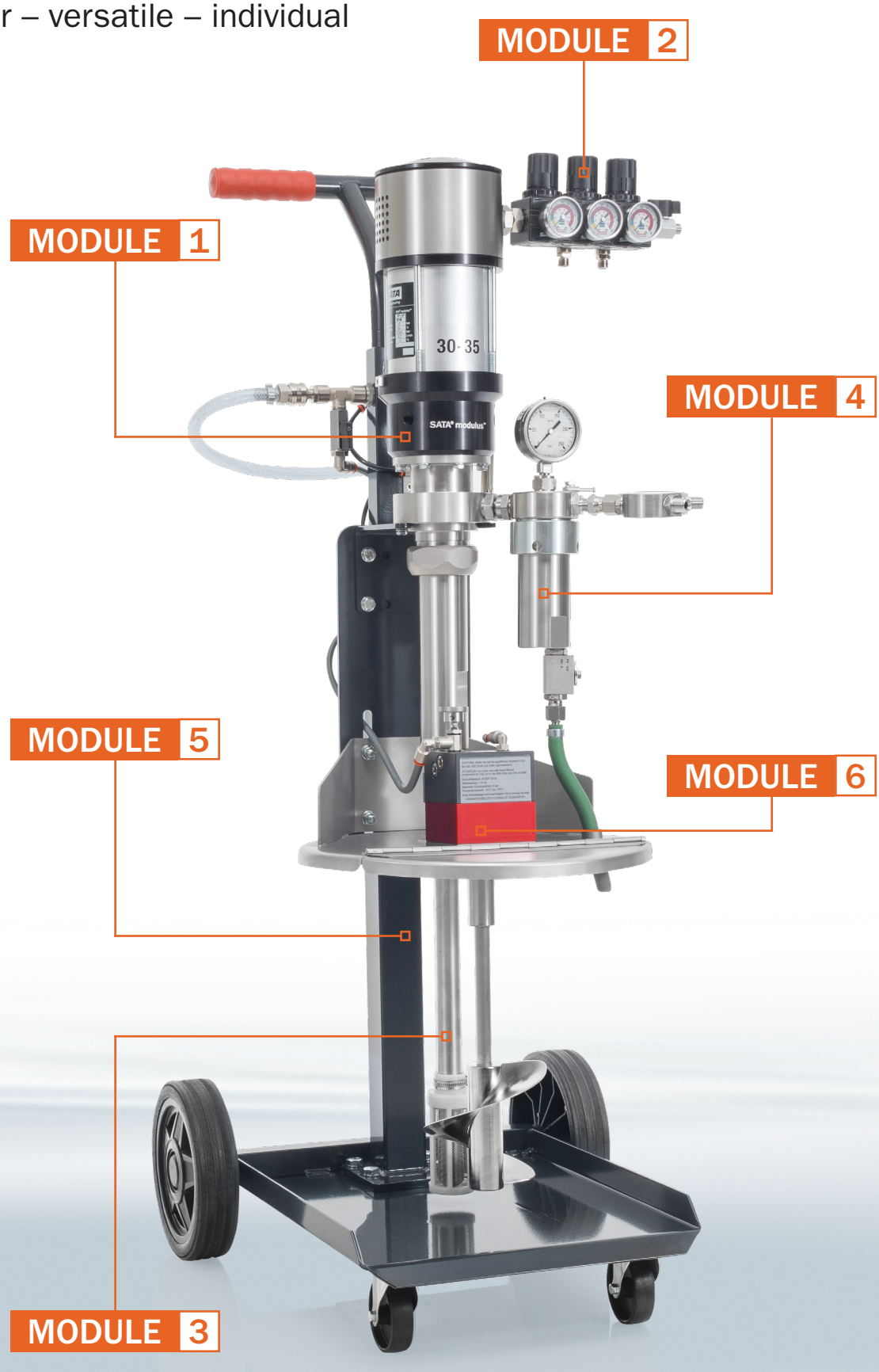
Third filter stage: Sintered activated charcoal cartridge with higher separation efficiency of oil vapours. Suitable for pressure-fed breathing protection and for the application of waterborne paints; exchange interval: every 6 months


30-35
SATA modulus
30-35
SATA modulus

# SATA® modulus™

## SATA modulus Piston Pump System

modular – versatile – individual



# SATA® modulus™

## Modular piston pump system for high pressure applications

The SATA modulus piston pump system consists of a pump, air, material, filter, trolley and extension module which is supplemented by a hose pair and a spray gun. Thus, the user has an individually configurable complete package from one single source. Furthermore, the pump can be easily adjusted to various paint jobs and tasks.

The many different materials and viscosities in high-pressure coating applications require spray guns as well as material supply systems with a high degree of versatility.

This is due to the modular design of the SATA modulus which provides more than 10,000 different alternative versions. The modular construction system allows an individual design of the pump, thus meeting optimum work conditiions for any requirement.

The single components are compatible with each other and can be optionally retrofit with little effort. The pulsation-free material delivery ensures continuous and permanent material flow and an even distribution and coating.

Gerne erstellt Ihr SATA-Fachhändler gemeinsam mit Ihnen eine auf Ihre Anforderungen abgestimmte Konfiguration und unterbreitet Ihnen ein verbindliches Angebot.

MODULE 1

### Pump module

The low-maintenance pump with a transmission ratio of 30:1
and maximum material pressure of approx. 240 bar. Four different delivery volumes

- 20 ccm
- 35 ccm
- 50 ccm
- 80 ccm

per double stroke

MODULE 2

### Air module

Air fittings are available to connect either one or two spray guns.

MODULE 3

### Material module

The material may be supplied by suction tube, suction hose or gravity flow cup.

MODULE 4

### Filter module

The high pressure filter can be adjusted to the respective materials with appropriate filter finenesses.

MODULE 5

### Mounting module

The system can be either mounted to the wall, on a stand or on several trolleys.

MODULE 6

### Extension module

The extension module of the SATA modulus allows any user-defined adjustment. For example, the pump can be exactly adjusted to the users' requirements by using a container lid, agitator and material circulation.

### Hose pairs (without illustration, page 72)

The flexible hose pairs in different lengths allow comfortable handling of the system.

(see page 80 –81)

### Spray gun (without illustration, page 72)

The comprehensive range of different nozzle sizes and the known nozzle technology of the SATAjet 4800 K spray mix ensure a high level of transfer efficiency and perfect finish results. Therefore, the SATA modulus in combination with the SATAjet 4800 K spray mix are perfectly suitable for almost all fields of high pressure applications. (see page 54)

# SATA® mini set™ 2

| SATA mini set 2 | |
|---|---|
| **Technical Data** | Air inlet and outlet: 1/4" male thread |
| | Material outlet: 1/4" male thread |
| | Max. material pressure inside the container: 2.5 bar |
| | Weight: 2.4 kg |
| | Container and lid made of aluminium |

| Art. No. | Available versions | |
|---|---|---|
| 120840 | SATA mini set 2 pressure pot 2 ltr. |  |
| 56408 | SATA Mini Set 2 with SATAjet 3000 K RP 1.1, paint pipe, material filter 60 msh, hose pair 1.5 m |  |
| 83444 | SATA Mini Set 2 with SATAjet 3000 K HVLP 1.2, paint pipe, material filter 60 msh, hose pair 1.5 m |  |

| Accessories for SATA mini set 2 | |
|---|---|
| 5868 | Shoulder strap for SATA mini set and SATA mini set 2 |
| 19869 | SATA hose pair 9 x 9 mm, 1.5 m, G 3/8" and G 1/4" (material), G 1/4" (air) (female thread) for SATA mini set 2 |

| SATA release agent application system | |
|---|---|
| 187740 | Separating agent spray system, consisting of pressure tank 2 l, DDM, SATAminijet 1000 K RP 0.3, hose pair 3 m, complete |
| 187708 | SATA hose pair 6 x 6 mm, 3 m, G 1/4" (female thread) (material and air) for SATA mini set 2 |
| 187450 | SATAminijet 1000 K RP nozzle 0.3 material connection 1/4" (male thread) |
| 187419 | SATA paint tube G 1/4 female thread - 1/4" male thread |
| 187690 | SATA paint strainer 60 msh, 1/4" (male thread) |
| 57232 | 2.0 l pressure pot, cpl. with handle and double reducer |

Hoses and hose pairs see pages 80-81.

# SATA® paint set™ 10

| SATA paint set 10 | |
|---|---|
| **Technical Data** | Air inlet and outlet: 1/4" male thread \| Material outlet: 1/2" male thread |
| | Max. material pressure inside the container: 3 bar |
| | Total weight/Lid weight: 8 kg/starting from 3.9 kg |
| | Internal height / width: 268 mm/ø 217 mm |
| | Container made of stainless steel and lid coated |
| | Fluid group 1 |

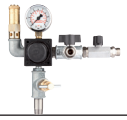
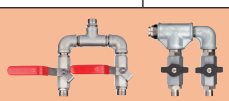
| Art. No. | Features | | | | | |
|---|---|---|---|---|---|---|
| |  |  |  |  |  | |
| | Single pressure reducer | Double pressure reducer | Pot insert | Hand agitator | Compressed air agitator with gear drive | |
| **SATA paint set 10 with ...** | | | | | | |
| 14662 | x | | | | | |
| 201079 | x | | x | | | |
| 199257 | x | | | x | | |
| 14654 | x | | x | x | | |
| 14647 | | x | | | | |
| 201087 | | x | x | | | |
| 199265 | | x | | x | | |
| 199273 | | x | | | x | |
| 14639 | | x | x | x | | |
| 14373 | Optional (no retrofit): 2. spray gun connection (air and material) for SATA paint set 10 - stainless steel version with Teflon ball valve | | | | |  |
| **SATAjet 3000 K RP, 1.1, material supply tube, material filter 60 msh, hose pair 9x9 mm, 6m length** | | | | | | |
| 16782 | | x | | | | |

| Accessories | | |
|---|---|---|
| 47530 | Insert pot, stainless steel for SATA pressure tank FDG 10 |  |
| 138917 | Surcharge for suction pipe, tap and angle made of stainless steel for SATA paint set 10 | |

# SATA® Paint Pressure Tanks 24 l / 48 l

| SATA FDG 24N / SATA FDG 48N | |
|---|---|
| **Technical Data** | Air inlet and outlet: 1/4" male thread \| Material outlet: 1/2" male thread |
| Container and lid made of stainless steel | Max. material pressure inside the container: SATA FDG 24: 6 bar \| SATA FDG 48: 4 bar |
| | Total weight/lid weight: SATA FDG 24: 24 kg/starting from 6.9 kg \| SATA FDG 48: 31 kg/ starting from 8.6 kg |
| | Internal height / width: SATA FDG 24: 369mm/ø 297mm \| SATA FDG 48: 486mm/ø 362mm |
| | Fluid group 2 |

The processing of coating materials in fluid group 1 is not allowed.

| Art. No. | Features | | | | | |
|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| | Single pressure reducer | Double pressure reducer | Pot insert | Hand agitator | Compressed air agitator with gear drive | Motor driven agitator |
| **SATA FDG 24N* with ...** | | | | | | |
| 177725 | x | | Optional (cannot be retrofitted, please contact us before ordering) | | | |
| 177733 | x | | | x | | |
| 177741 | x | | | | | |
| 177758 | x | | | | x | |
| 177766 | x | | | | | x |
| 177774 | | x | | | | |
| 177782 | | x | | x | | |
| 177890 | | x | | | | |
| 177808 | | x | | | x | |
| 177816 | | x | | | | x |
| 181990 | Optional (no retrofit): 2. spray gun connection (air and material), stainless steel version for SATA FDG 24 N | | | |  | |
| **SATA FDG 24U* with ...** | | | | | | |
| 186189 | x | | | | | |
| 195370 | | x | | | | |
| **SATA FDG 48N* with ...** | | | | | | |
| 177824 | x | | Optional (cannot be retrofitted, please contact us before ordering) | | | |
| 177832 | x | | | x | | |
| 177840 | x | | | | | |
| 177857 | x | | | | x | |
| 177865 | x | | | | | x |
| 177873 | | x | | | | |
| 177881 | | x | | x | | |
| 177907 | | x | | | x | |
| 177915 | | x | | | | x |
| 177923 | Optional (no retrofit): 2. spray gun connection (air and material), stainless steel version for SATA FDG 48 N | | | |  | |

| Accessories | | |
|---|---|---|
| 31302 | Insert pot, stainless steel for SATA pressure tank FDG 24 |  |
| 47639 | Insert pot, stainless steel for SATA pressure tank FDG 48 | |
| 14332 | Trolley, cpl. for SATA FDG 48 |  |
| 46037 | Trolley, cpl. for SATA FDG 24 and SGE | |

# SATA® vario top spray™

| SATA vario top spray | | |
|---|---|---|
| **Technical Data** | Pump ratio: 1:1 | |
| | Material pressure: 8.0 bar | |
| | Material flow volume (at 220 double strokes): 32 l/min. | |
| | Air inlet pressure min.: 1.0 bar | |
| | Air inlet pressure max.: 8.0 bar | |
| | Version and weight without add-on components: | Aluminium: 6 kg<br>Stainless steel: 12 kg |

| SATA vario top spray - Pumps | | |
|---|---|---|
| 56010 | Double diaphragm pump 1:1, industrial version, material connection G 3/8" (female thread), air inlet G 1/4" (female thread), without grounding cable |  |
| 90662 | Double diaphragm pump 1:1, stainless steel, industrial version, material connection G 3/8" (female thread), air inlet G 1/4" (female thread), without grounding cable |  |

| Aluminium versions | | |
|---|---|---|
| 81661 | SATA vario top spray S, double diaphragm pump 1:1, with stand, material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |  |
| 61507 | SATA vario top spray W, double diaphragm pump 1:1 wall mounted version, with material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |  |
| 61515 | SATA vario top spray F, double diaphragm pump 1:1 on trolley, with material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |  |
| 63974 | SATA vario top spray F, double diaphragm pump 1:1, mobile, with material fine pressure regulator, suction tube + 2. gun connection, without spray gun and hoses | |
| 138941 | SATA vario top spray FFB, double diaphragm pump 1:1, on trolley, with gravity flow container, material fine pressure regulator, without suction tube, 1 spray gun connection, without spray gun and hoses | |
| 62745 | SATA vario top spray FFB, double diaphragm pump 1:1, on trolley, with gravity flow container, material fine pressure regulator, suction tube, 1 spray gun connection, without spray gun and hoses | |

| Versions - pump and material passages made of stainless steel | |
|---|---|
| 81406 | SATA vario top spray S, double diaphragm pump 1:1, stainless steel version, stand, material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |
| 72678 | SATA vario top spray W, double diaphragm pump 1:1, stainless steel version, for wall mounting, with material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |
| 72694 | SATA vario top spray F double diaphragm pump 1:1, stainless steel version, on trolley, with material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |
| 138958 | SATA vario top spray FFB, double diaphragm pump 1:1, stainless steel version, on trolley, with gravity flow container, fine material pressure regulator, without suction tube and 1 spray gun connection, without spray gun and hoses |
| 95109 | SATA vario top spray FFB, double diaphragm pump 1:1, stainless steel version, on trolley, with gravity flow container, material fine pressure regulator, suction tube and 1 spray gun connection, without spray gun and hoses |

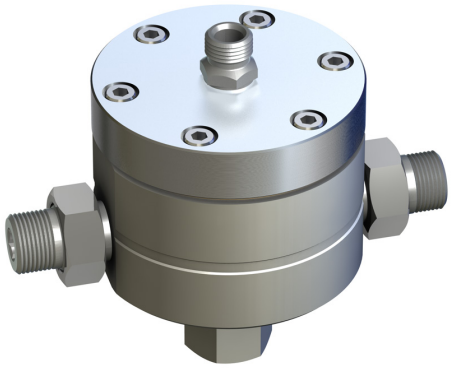
Hoses and hose pairs see page 80 – 81.

# SATA® material fine pressure regulator

## Material fine pressure regulator for the use in painting units

Version for line installation, manually adjustable
#81463

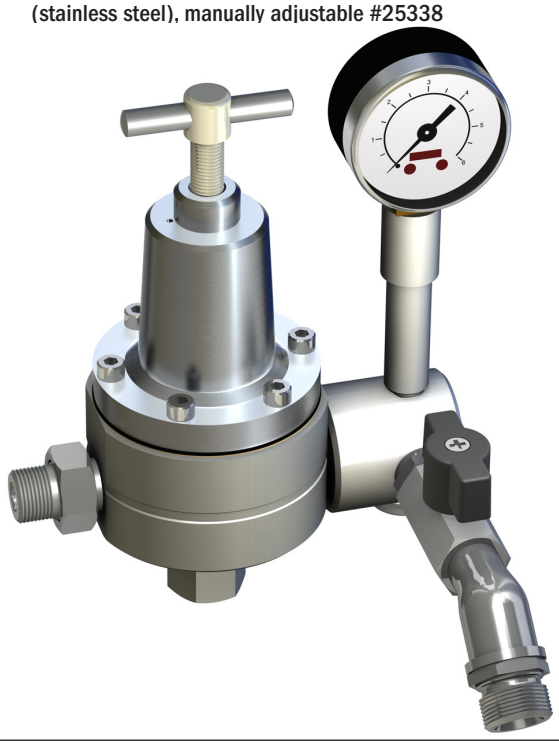
Version for line installation, pneumatically adjustable
#50021



## Material fine pressure regulator for the use of pump units

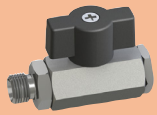
Version with outlet tap 1/2" (male thread),
manually adjustable #24422

Version with outlet tap 1/2" (male thread)
(stainless steel), manually adjustable #25338



| Material fine pressure regulator for the use in painting units | |
|---|---|
| 50021 | Material fine pressure regulator, cpl. pneumatic control, inlet and outlet 3/8" (male thread), air connection 1/4" (male thread) |
| 81463 | Material fine pressure regulator without tap for installation into air circuit |
| **Material fine pressure regulator for the use of pump units** | |
| 24422 | Material fine pressure regulator, cpl. for SATA vario top spray |
| 25338 | Material fine pressure regulator, cpl., stainless steel for SATA vario top spray |

# Accessories

| SATA ball valves | | |
|---|---|---|
| 22129 | Ball tap (Teflon), cpl., 3/8" x 1/4" (male thread) |  |
| 27631 | Ball tap (Teflon) 1/4" (male thread) x G 1/4" (female thread) |  |
| 52985 | Sleeve ball valve MS G 1/2" (female thread) | |
| 10934 | Ball tap (Teflon) 1/2" male thread for air inlet |  |
| 81836 | Ball tap 1/4" (male thread) x G 1/4" (female thread) |  |
| 37598 | Ball tap (Teflon), 1/4" (male thread) |  |

| Material couplings | | |
|---|---|---|
| 91140 | SATA material coupling 3/8" (male thread) for SATA pressure fed spray guns with plug-in nipple G 3/8" (female thread) for SATA pressure fed spray gun |  |
| 91157 | SATA material coupling 3/8" (male thread) with plug-in nipple G 3/8" (female thread) and material strainer 60 msh for SATA pressure fed spray guns | |
| **Strainer** | | |
| 38265 | SATA paint strainer 60 msh, G 3/8" (female thread) and 3/8" (male thread) for SATA pressure fed spray gun except for SATAminijet | |
| 70615 | SATA paint strainer 100 msh, G 1/4" for spray mix airless spray gun | |
| 187690 | SATA paint strainer 60 msh, 1/4" (male thread) for SATAminijet 1000 K | |
| **Material strainers** | | |
| 12260 | Sieve 60 msh (packing unit 4 pieces) for SATA paint strainer |  |
| 12278 | Sieve, 100 msh (packing unit 4 pieces) for SATA paint strainer | |
| 74856 | Strainer kit: Sieve 200 msh (4 pcs.) strainer holder ( 2 pcs.), screw (1 pcs.) for SATA strainer |  |

# SATA® hoses Part I

| Breathing air hoses, cpl. assembled* | |
|---|---|
| 49080 | Safety compressed air supply hose CE 10 mm, f. SATA respirators CE version, 6 m long, cpl. according to DIN EN 139/270 |
| 176792 | Safety compressed air supply hose CE 10m ø 10 mm DIN EN 139/270 for SATA respirators |
| 180851 | Safety compressed air supply hose CE 40m, 10mm, DIN EN 139/270 for SATA respirators |
| 13870 | SATA air hose, blue, 9mm, 1.2 m with quick coupling, red and nipple |

| Air hoses, cpl. assembled* | |
|---|---|
| 37655 | SATA air hose, blue, 9 mm, 6 m with quick coupling, red and nipple |
| 195420 | SATA air hose, blue, 9 mm, 7.5 m with quick coupling, red and nipple |
| 53090 | SATA air hose, blue, 9mm, 10 m with quick coupling, red and nipple |
| 189068 | SATA air hose, blue, 9 mm, 15 m with quick coupling, red and nipple |
| 9902 | SATA air hose, blue, 9 mm, 10 m long, G 1/4" (female thread) |
| 51300 | SATA air hose, blue, 13 mm, 10 m long, G 1/2" (female thread) for SATA vario top spray and FDG with 2. spray gun outlet |
| 4754 | SATA air hose, blue, 6 mm, 10 m long with quick coupling and nipple |

| Air hoses for design spray guns** | |
|---|---|
| 54353 | SATA PVC air hose, transparent, 2 m long with mini quick coupling, nipple with G 1/4" (female thread) and quick coupling nipple for SATAmini-jet 4400 B, minijet 3000 B and jet 20 B |
| 32987 | SATA PVC compressed air hose, transparent, 3 m long with G 1/4" (female thread), mini quick coupling and nipple for SATAjet 20 B |
| 134791 | SATA Fibre air hose, 2.5 m long with G 1/4" (female thread), mini quick coupling for SATAgraph 1 / 2 / 3 (jet 20 B) |

| Hose pairs for SATA paint pressure tanks and SATA vario top spray* | |
|---|---|
| 147520 | SATA hose pair 9 x 9 mm, 6 m, with covering fabric netting, G 3/8" and G 1/2" (material), G 1/4" (air) (female thread) for SATA FDG and vario top spray |
| 147512 | SATA hose pair 9 x 9 mm, 10 m, with covering fabric netting, G 3/8" and G 1/2" (material), G 1/4" (air) (female thread) for SATA FDG and vario top spray |
| 147504 | SATA hose pair 9 x 9 mm, 15 m, with covering fabric netting, G 3/8" and G 1/2" (material), G1/4" (air) (female thread) for SATA FDG and vario top spray |
| 19869 | SATA hose pair 9 x 9 mm, 1.5 m, G 3/8" and G 1/4" (material), G 1/4" (air) (female thread) for SATA mini set 2 |
| 77834 | SATA hose pair 9 x 9mm, 6 m, G3/8" and G1/2" (material, stainless steel connections), G1/4" (air) (female thread) for SATA FDG and vario top spray |
| 77842 | SATA hose pair 9 x 9 mm, 10 m, G 3/8" and G 1/2" (material, stainless steel connections), G 1/4" (air) (female thread) for SATA FDG and vario top spray |
| 77859 | SATA hose pair 9 x 9 mm, 15 m, G 3/8" and G 1/2" (material, stainless steel connections), G 1/4" (air) (female thread) for SATA FDG and vario top spray |
| 160994 | Protective Sleeve for hose pair individual 6m |
| 161000 | Protective Sleeve for hose pair individual 10m |
| 161018 | Protective Sleeve for hose pair individual 15m |
| 96677 | SATA dual hose clamp, plastic for hose pairs 9 x 9 mm |
| 7047 | Hose clips (10 pieces) for air hose and material hoses, 9 mm |

# SATA® hoses Part II and Quick Couplings

| Hose pairs for SATA material pressure tanks and SATAminijet 1000 K | |
|---|---|
| 187708 | SATA hose pair 6 x 6 mm, 3 m, G 1/4" (female thread) (material and air) for SATA mini set 2 |
| 187716 | SATA hose pair 6 x 6 mm, 6 m, G 1/4" and G 1/2" (material), G 1/4" (air) (female thread) for SATA FDG / SATA vario top spray |
| 187724 | SATA hose pair 6 x 6 mm, 10 m, G 1/4" and G 1/2" (material), G 1/4" (air) (female thread) for SATA FDG / SATA vario top spray |
| 187732 | SATA hose pair 6 x6 mm, 15 m, G 1/4" and G 1/2" (material), G 1/4" (air) (female thread) for SATA FDG / SATA vario top spray |

| Hose pairs and dual hoses for SATA spray mix units* | |
|---|---|
| 19984 | SATA spray mix hose pair, 6 x 4 mm, 5 m, G 1/4" (female thread) (material and air) |
| 19992 | SATA spray mix hose pair, 6 x 4 mm, 10 m, G 1/4" (female thread) (material and air) |
| 20008 | SATA spray mix hose pair, 6 x 4 mm, 15 m, G 1/4" (female thread) (material and air) |
| 1006099 | SATA spray mix hose pair, 6 x 4 mm, 15 m long, material connection M16x1.5 (female thread), air connection G 1/4" (female thread) |
| 1006081 | SATA spray mix hose pair, 6 x 4 mm, 10 m long, material connection M16x1.5 (female thread), air connection G 1/4" (female thread) |
| 1006106 | SATA spray mix hose pair, 6 x 4 mm, 5 m long, material connection M16x1.5 (female thread), air connection G 1/4" (female thread) |
| 97022 | SATA spray mix hose pair with covering fabric netting, 6 x 6 mm, 7.5 m, G 1/4" (female thread) (material and air) |
| 97030 | SATA spray mix hose pair with covering fabric netting, 6 x 6 mm, 15 m, G 1/4" (female thread) (material and air) |

| Air hoses, unassembled* | |
|---|---|
| 50252 | SATA air hose, blue, 9 mm, 6 m |
| 50591 | SATA air hose, blue, 9 mm, 10 m |
| 50641 | SATA air hose, blue, 9 mm, 15 m |

| Material hoses, unassembled* | |
|---|---|
| 49155 | SATA material hose, green 9 mm, 6 m |
| 49999 | SATA material hose, green, 9 mm, 10 m |
| 50161 | SATA material hose, green, 9 mm, 15 m |

* SATA hoses are antistatic, with an electrical resistance < 1MΩ and free of substances incompatible with paint

** SATA hoses are free of substances incompatible with paint

| Individual components for the quick coupling system | |
|---|---|
| 6981 | SATA quick coupling nipple G 1/4" (female thread) (packing unit 5 pieces) |
| 7237 | SATA quick coupling, red with hose olive 9mm and quick coupling nipple G 1/4" (female thread) (each 2 pieces) |
| 13615 | SATA quick coupling 1/2" (male thread) |
| 13649 | SATA quick coupling with hose olive 6 mm |
| 13631 | SATA quick coupling, red, with hose olive 9 mm |
| 13623 | SATA quick coupling 1/4" (male thread) |
| 13599 | SATA quick coupling G 1/4" (female thread) |
| 13607 | SATA quick coupling G 3/8" (male thread) |
| 13581 | SATA quick coupling G 3/8" (female thread) |
| 13565 | Connection piece 103/6 f. SATA quick coupling 103/6 f. 6 mm inside dia. |
| 13557 | Hose olive 9 mm for air quick coupling |
| 13524 | Nipple 1/8" (male thread) for SATA quick coupling |
| 53942 | Nipple G 1/4 f. GS respirator, UBE + blow-off gun, size 14 |
| 13508 | Nipple 3/8" (male thread) for SATA quick coupling |
| 13516 | Nipple G 3/8" (female thread) for SATA quick coupling |

# SATA® trueSun™

| Available versions | | |
|---|---|---|
| 1006411 | SATA trueSun, incl. battery charger and battery, EU |  |
| 1013094 | Storage Case SATA trueSun, incl. foam inlay |  |
| 1013151 | Foam inlay with pinched inlay for storage case SATA trueSun | |


Colour shade does not match (red tint).

Colour shade and metallic effect do not match.

Colour shade and metallic effect match.

To ensure the correct selection and evaluation of the colour shade a source of light is required that preferably reproduces the entire colour range of visible light (daylight) as accurately as possible.
The SATA trueSun LED lamp which was especially designed for this purpose allows a professional colour shade evaluation and identification even independent of laboratory environment.

- Best possible near daylight reproduction of different color shades
- Uniform distribution of the light intensity across the entire light cone
- Uniform light intensity – unaffected by battery charge levels

# Grit Blasting Equipment / Blow Guns

| Grit blasting equipment | | |
|---|---|---|
| 17335 | SATA grit blasting gun super version spraying pipe c/w carbide insert |  |
| 39172 | SATA sand blasting-set: sand blast. gun c/w carbide pipe, mask and gloves |  |
| 38166 | SATA grit blasting set SGE with trolley, with grit blasting gun with carbide pipe, mask, container, w/o grit material |  |

| Blow guns | | |
|---|---|---|
| 15156 | SATA blow gun with standard nozzle (blow gun) |  |
| 26070 | Standard nozzle for SATA blow gun 15156 (blow gun) | |
| 15180 | SATA blow gun with low noise metal nozzle and quick coupling nipple (blow gun) |  |
| 77586 | Special low noise nozzle for SATA blow gun 15180 (blow gun) | |
| 15214 | SATA blow gun with multi nozzle and quick coupling nipple (blow gun) |  |
| 26047 | Metal-multi-nozzle M 14x1 for SATA blow gun 15214 (blow gun) | |
| 133306 | SATA turbo blow with quick coupling nipple (blow gun) |  |

# Rustproofing Equipment

| | | |
|---|---|---|
| **Cavity Preservation** | | |
| 9795 | SATA HRS pressurised cup gun with 1.0 l cup (max. 10 bar), without material flow control, flexible nylon and hook wand (16113 and 16139) as well as fix door wand (16071) |  |
| 12658 | SATA HRS pressurised cup gun with 1.0 l cup (max. 10 bar), material flow control, without wands | |
| 11072 | SATA HRS pressurised cup gun with 1.0 l cup (max. 10 bar), without material flow control, without wands | |
| 77347 | SATA HRS-E/DINOL, with material flow control, with coupling 8359 and 1.5 l pressurized cup |  |
| 172882 | SATA HRS-E pressurised cup spray gun for cavity preservation and underbody protection from disposable containers, with material flow control, round spray nozzle, hook and nylon wand | |
| 207290 | SATA HRS E pressurised cup spray gun with 1.5 l cup (max. 10 bar) for cavity preservation and underbody protection from disposable containers, with material flow control, hook wand 16139 and nylon wand 16113 as well as round spray nozzle | |
| 16071 | Door wand, steel 1100 mm long, Ø 8 mm, with rotary nozzle 360° and spraying forward | |
| 196832 | Door wand, steel 150 mm work length, Ø 8 mm, with rotary nozzle 360° rotary fan and spraying forward, with flexible guideway hose 1000 mm | |
| 16105 | Nylon wand, flexible, 1500 mm long, Ø 6 mm, with rotary nozzle 360° | |
| 16113 | Nylon wand, flexible, 1300 mm long, Ø 8 mm, with rotary nozzle 360° rotary fan and spraying forward | |
| 1058826 | Nylon wand, flexible 3000 mm long, Ø 8 mm, with rotary nozzle 360° and spraying forward | |
| 11866 | Venturi hook wand Ø 5 mm, with flexible guide hose, Venturi spray tube for cavity and surface application |  |
| 206904 | Venturi hook wand Ø 5 mm, hook nozzle cpl. in 300 mm length, with flexible guide hose, Venturi spray tube, for cavity and surface application | |
| 11874 | Nylon wand, flexible, 1500 mm long , Ø 6 mm, with rotary nozzle 360°, diagonally spraying forward and backward |  |
| 51185 | Nylon wand, semi rigid 1500 mm long, Ø 6 mm, with rotary spray nozzle 360° and spraying diagonal forward and backward | |
| 16139 | Venturi hook wand, Ø 7 mm, with flexible guiding hose, Venturi spray tube for cavity and surface application |  |
| 24372 | Hook wand Ø 5mm, with flexible guide hose, hook flat nozzle, for cavity and surface application |  |
| 25486 | Round spray nozzle for HRS, conn. I | |
| 198762 | Round spray nozzle for surface application with flexible guide hose for underbody protection | |
| 8359 | Free passage type quick coupling for HKD1, LM/KK, HRS , connection I | |
| 16048 | SATA quick coupling nipple 1/4" (male thread) for wands | |
| **Barrel pump unit for cavity preservation** | | |
| 14555 | SATA HKU 60 l barrel pump unit cpl., consisting of piston pump 1:3, with hose pair 10 m, SATAjet 1000 KK spray gun, nylon, door and hook wand | |
| 34389 | SATA HKU 200 l barrel pump unit, cpl., consisting of piston pump 1:3 with hose pair 10 m, SATAjet 1000 KK spray gun, nylon, door and hook wand | |
| **Technical data, accessories and spare parts upon request.** | | |
| 153700 | SATAjet 1000 KK RP nozzle 1.5 with paint tube, 1/4" (male thread) with coupling (Art.-No. 8359) | |
| **Underbody protection** | | |
| 12740 | SATA UBE gun type I, for underbody coating with one-way cans | |
| **Barrel pump unit for underbody protection** | | |
| 128561 | SATA spray mix underbody protection system 1:22, hose pair 10 m, SATAjet 3000 K spray mix gun nozzle 3350, for 60/200 ltr. barrel | |

# Notes

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