

SATA® Catalogue for Industrial Equipment



German Engineering

Spray Guns | Breathing Protection | Air Filtration | Accessories



Catalogue for Industrial Equipment
2018 / 2019

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SATA trueSun

General Information

■ Terms of Delivery

All indicated prices are ex works and exclude packaging, freight, shipment and insurance cost. The general terms and conditions of delivery and payment apply exclusively. Conditions on the part of the purchaser are not binding upon us.

■ Small Order Policy

Small orders with a value below € 200.00 (list prices excl. VAT) will be invoiced at gross list prices without discount. Minimum order value: € 50.00 (excl. VAT).

Prices of the single articles are indicated

in the SATA price list (in ascending order).

■ 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 Outdated, used or damaged parts will not be accepted for return.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 of minimum € 30.00 will apply in any case for each transaction.

We reserve the right to change the technical specifications of products at any time.

Structure of Catalogue Sheets (from page 14 following)

SATAjet 3000 A HVLP

①	Nozzle	0,5	0,8	1.0	1.2	1.6	2.0
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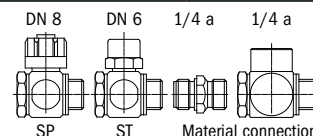
Standard version (aluminium anodised)

Art. No. ③	-	94441	94458	124602	124594	124545
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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		

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Premium quality finishes

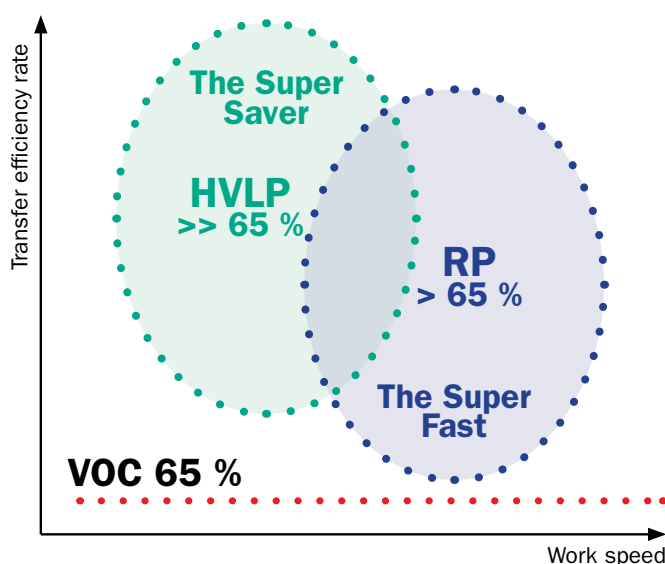
Apart from functional aspects and corrosion protection requirements, high-quality finishes also have to meet highest demands in terms of colour match precision, brilliance, colour effects, material distribution and gloss. Best possible conditions must be ensured, in order to achieve high application 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:



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



Top quality is not enough – we guarantee it: for three years



Quick air cap change with one turn only



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.



Innovative and versatile digital retrofit air micrometer

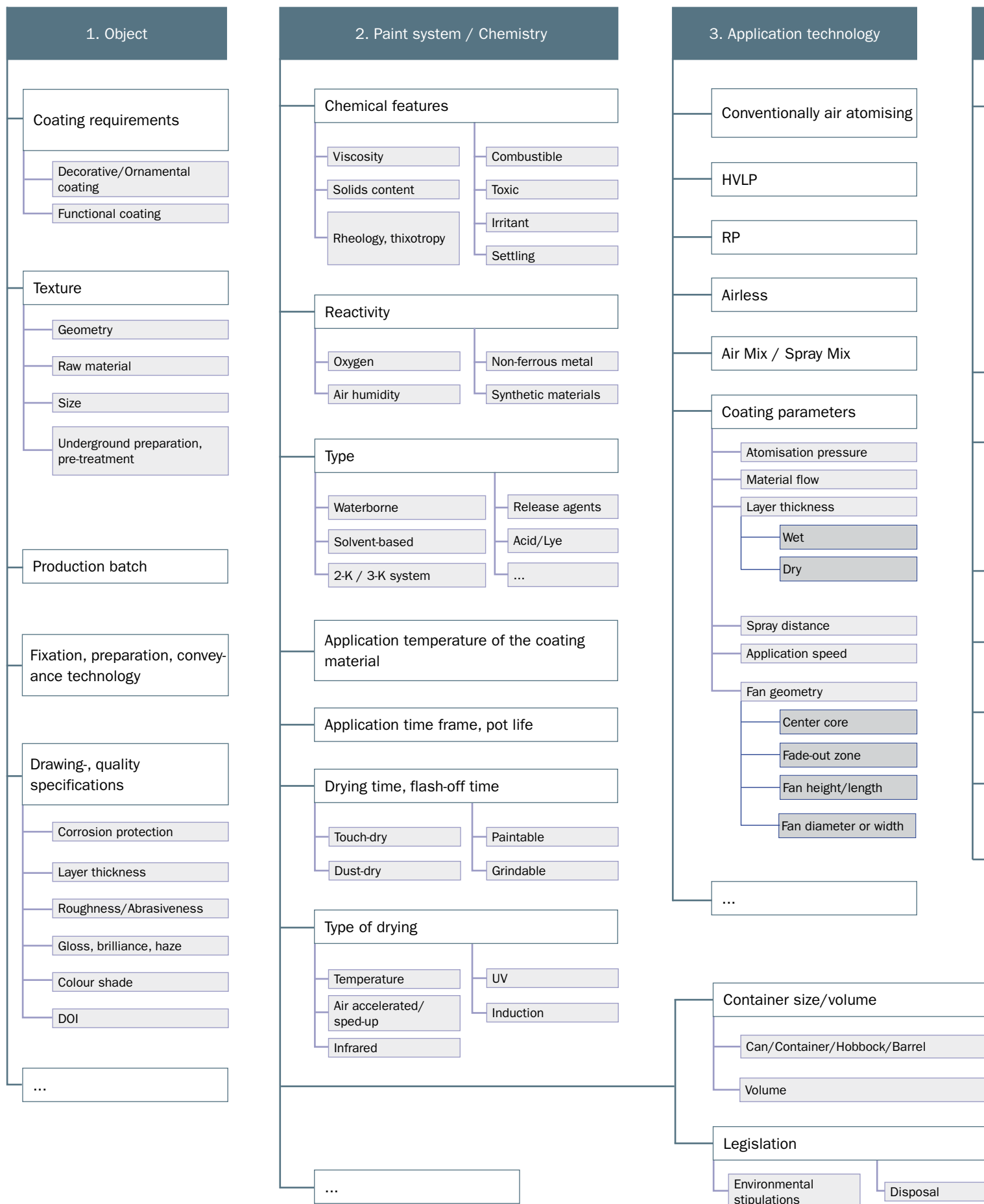


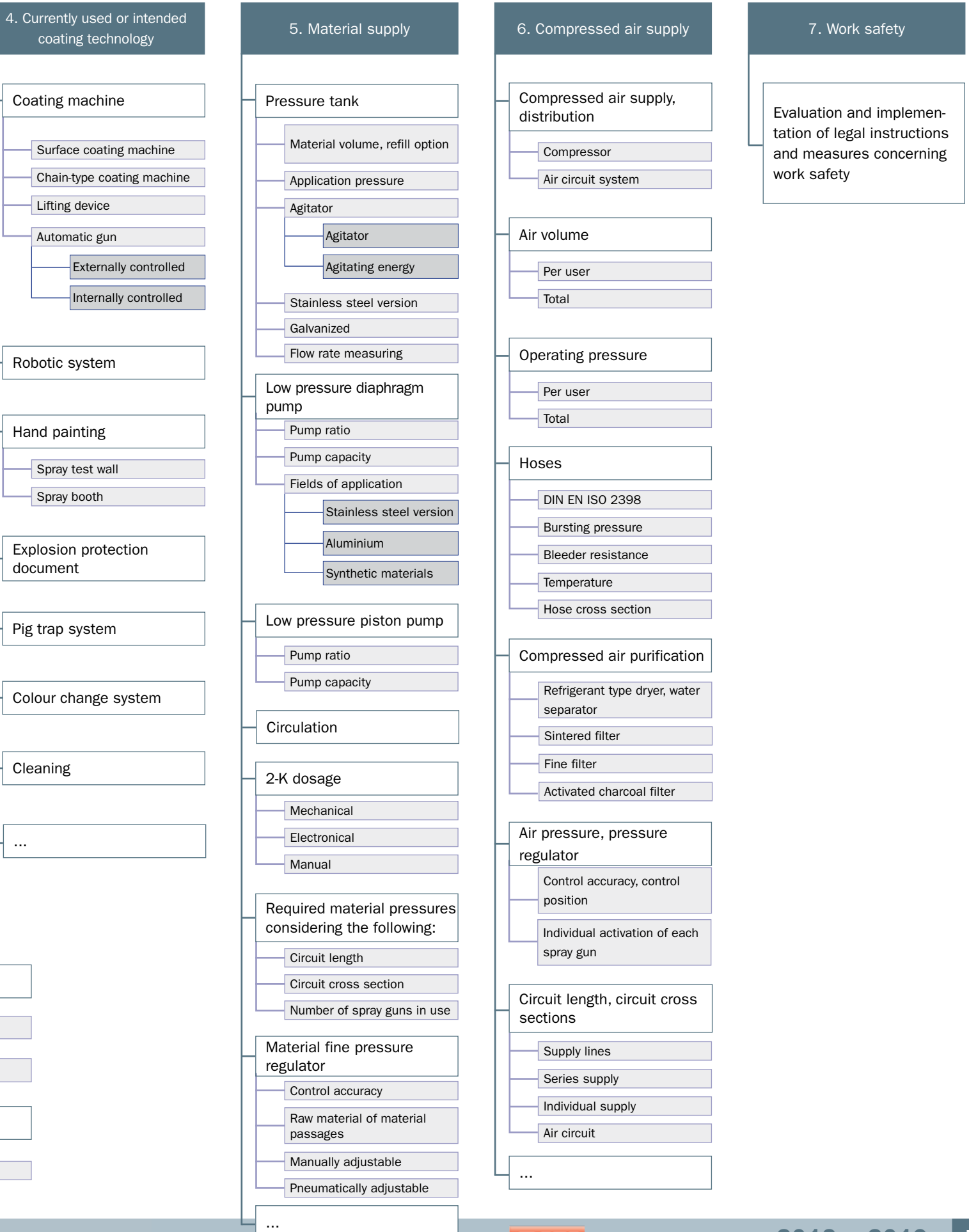
External control means that all adjustment and control functions are operated via an external control in the control unit.



For the convenient identification of your spray gun

Basic conditions for the optimum coating solution (wet application)





Selection guide for Automatic/ROB Spray Guns

Gun type		SATAjet® 3000 A		SATAjet® 3000 ROB		SATAjet® 1800 M		SATAjet® 1000 A		
										
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 NI/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 Stainless steel: 990		Standard: 490 Stainless steel: 690		According to configuration (from page 16 following) 130 (without material flow control)		Standard: 780 Stainless steel: 990		
	Spray gun length in mm	147		127		ø 40 (without Control module)		147		
	Width x height in mm	45 x 45		45 x 45				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	✓		✓		✓		✓		
	Stainless steel version	✓		✓		✓		✓		
	Connection thread Material inlet/-outlet (MV), control air (St), atomisation air (SP)	G 1/4" female thread		G 1/4" female thread		see technical data from page 16 following		G 1/4" female thread		
Optional: Quick change adapter	A		ROB		Control module		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 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).

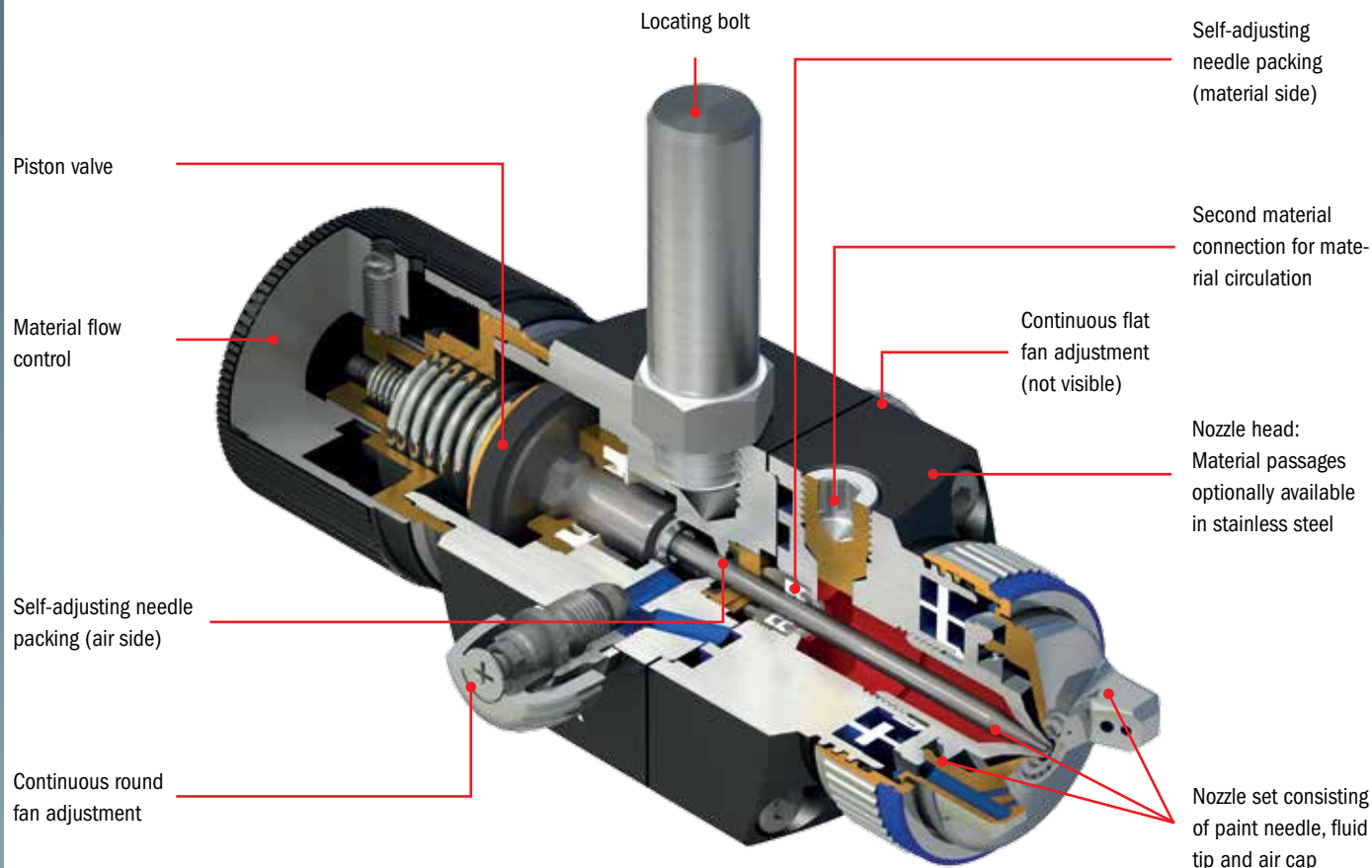
** **Air consumption** is only an approximate value and is depending on the nozzle size; pressure measured at spray gun inlet.

SATAmijet® 1000 A		SATAmijet® 1000 ROB		SATAmijet® 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: -- Stainless steel: 915		Standard: -- Stainless steel: 620		Standard: 520 Stainless steel: --		Standard: 525 Stainless steel: --		Depending on the model execution	
147		125		125		127			
45 x 45		45 x 45		35 x 35		35 x 35		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 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" female thread		G 1/4" female thread		MV / St G 1/4" SP G 3/8" each male thread		MV / St G 1/4" SP G 3/8" each male thread		G 1/4" female thread	G 1/4" 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).

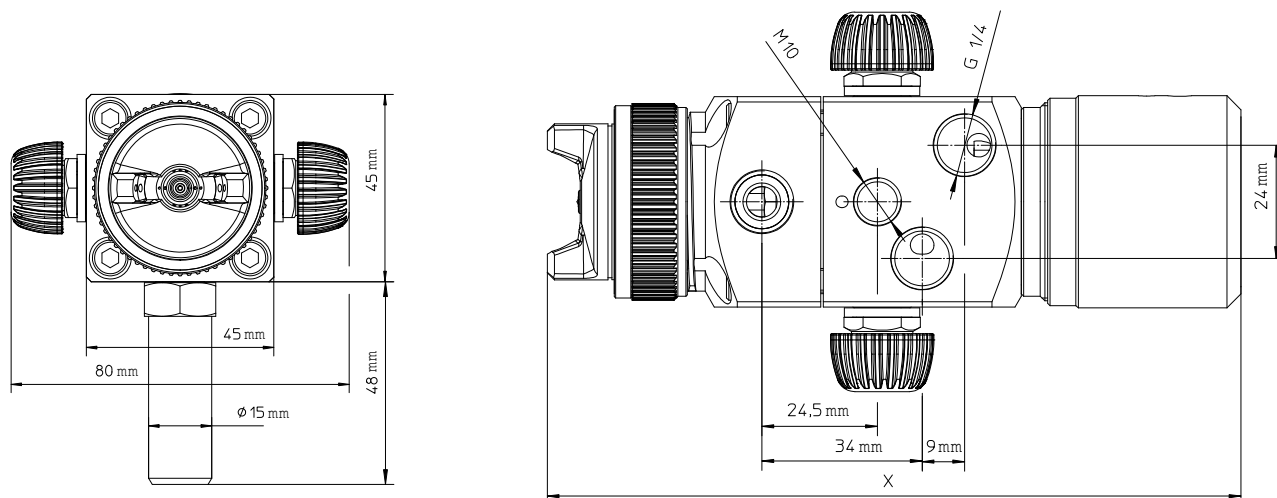
** **Air consumption** is only an approximate value and is depending on the nozzle size; pressure measured at spray gun inlet.

Cutaway model SATAjet 3000 A (internally controlled)



INTERNAL Control Internal control 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

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Cutaway model SATAjet 3000 ROB (externally controlled)

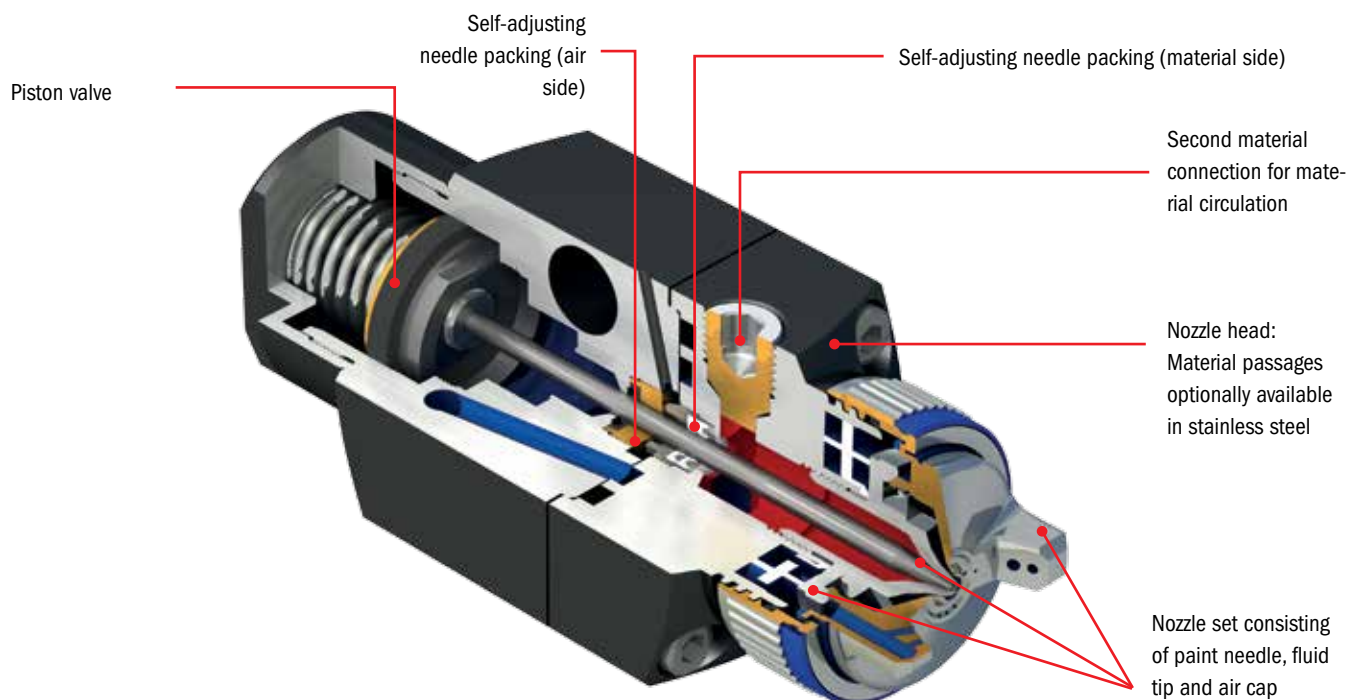
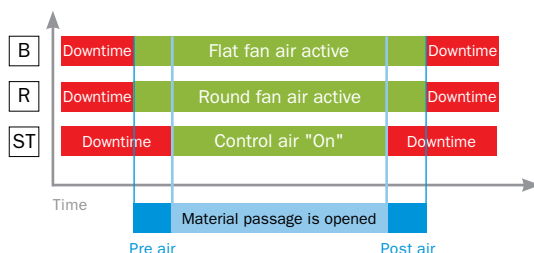


Illustration of pre- and post air delay with SATAjet ROB spray guns

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

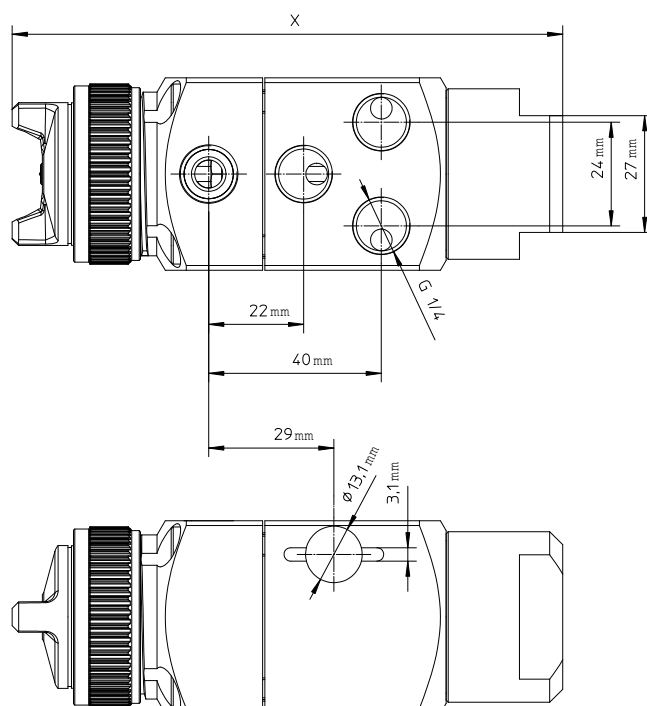
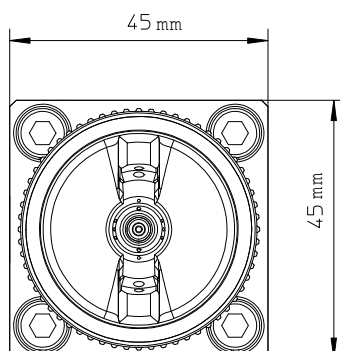


External control means that all adjustment and control functions are operated via an external control in the control unit.

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	





Spray Guns



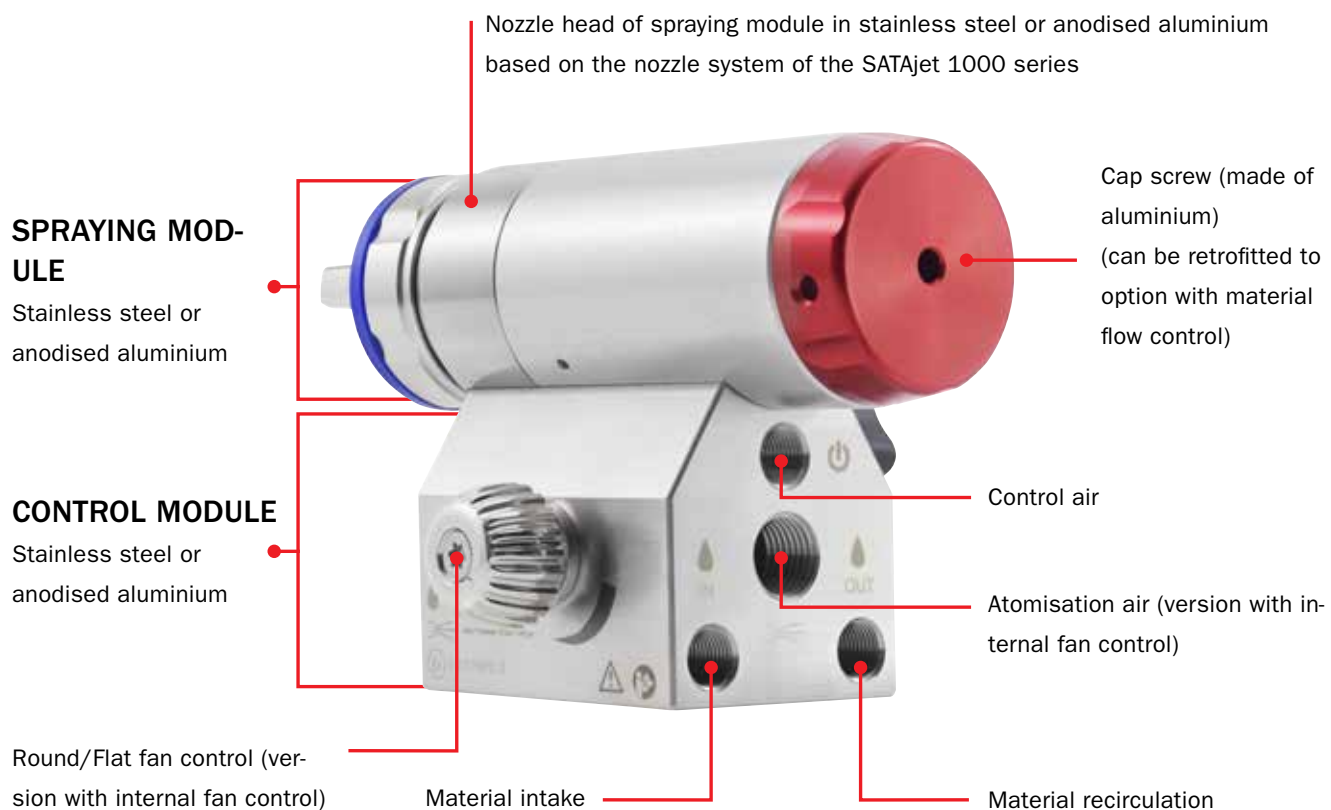
SATAjet®1800 M™

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. The selection of the appropriate painting technology for wet paint finishes is based on the functional requirements of the coating and on the existing or still to be created general conditions of the coating 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 control (round/flat control to adjust the fan dimensions 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)

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAjet®1800 M™

Control and performance

The modular design of the automatic spray gun allows the flexible mounting of control module and connector plate on the coating machine, in order to meet many different installation requirements. In addition, the material passages are available in different material versions.

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 life-time 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

Rear 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

Rear connection of round and flat fan air, control air as well as material inlet and outlet

Control module with bottom connection, external

Connection of round and flat fan air, control air as well as material inlet and outlet underneath



Spray module



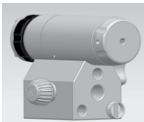
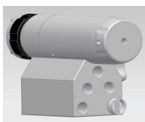
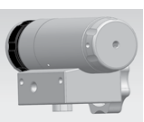
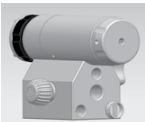
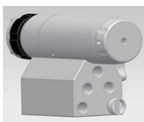
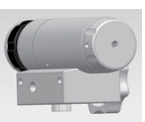
SATAjet®1800 M™

Modularity and configuration options

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 1,1	☐	☐
			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
												

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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 bottom connection circulation		Standard nozzle system SATAjet 1800 RP		Standard nozzle system SATAjet 1800 HVLP					
			Anodised aluminium	Stainless steel version	Anodised aluminium	Stainless steel version	Anodised aluminium	Stainless steel version	Anodised aluminium	Stainless steel version	Anodised aluminium	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	Atomisation air round/flat		RP round/flat fan: approx. 3.5 bar HVLP round/flat fan: approx. 3.5 bar						Please note: 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.							
Connection thread atomisation 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	Atomisation 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	Atomisation 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 technology												approx. 410 NI/min (14.5 cfm)		approx. 530 NI/min	
Max. permissible compressed air operating pressure:	Com-		10 bar (145 psi)													
"Max. permissible operating temperature of the coating material:"	Material		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)	Accessory, fixation		M8													
Connection thread connection plate (accessory)			M6													
Drilling for locating bolt connection plate (accessory)			13 mm													
Connection thread for fixing flange			M6				M5									

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SATAjet® 3000 A RP®



SATAjet 3000 A RP

Technical Data	Air consumption at 2.5 bar: 400 NI/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
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Standard version with life time prolonging surface treatment of fluid tip and paint needle

Art. No.	168559	174060	*	196378	*	182378
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Stainless steel version

Art. No.	165274	94466	94474	94482	143289	220400
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Stainless steel version with life time prolonging surface treatment of fluid tip and paint needle

Art. No.	*	181008	169011	*	*	*
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Nozzle set

Art. No.	129924	94326	94334	94342	94359	131052
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Nozzle set with life time prolonging surface treatment of fluid tip and paint needle

Art. No.	168583	216887	171710	*	*	*
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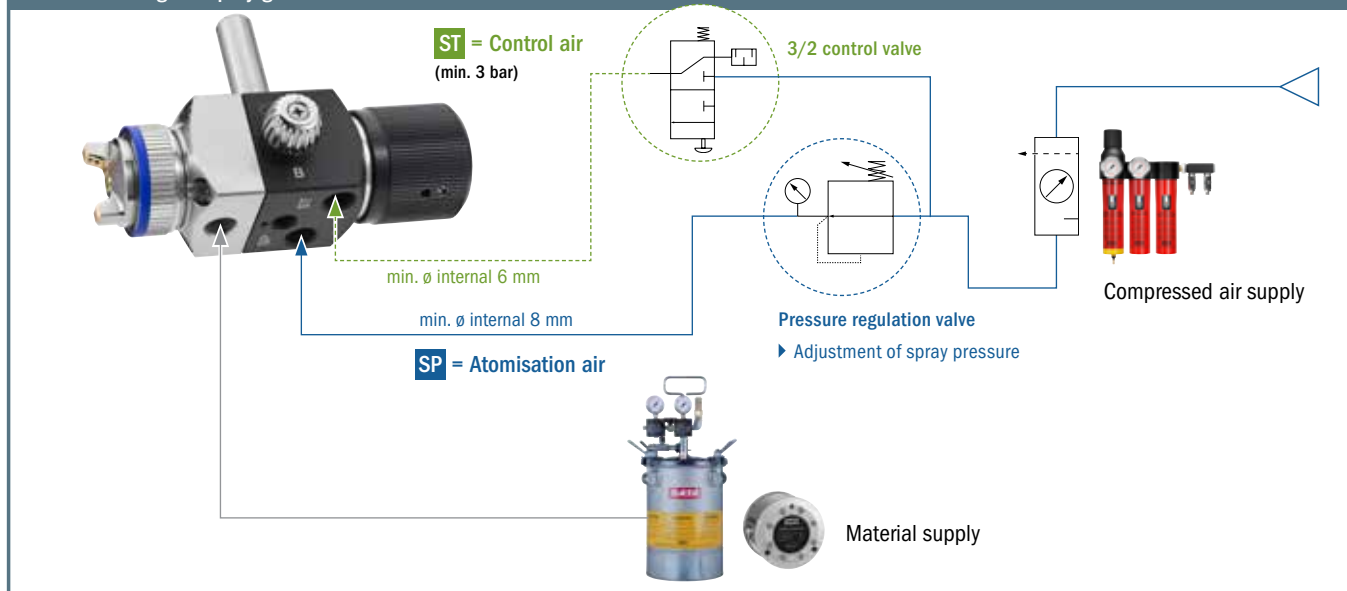
* available upon request

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	
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Connection kits, quick change adapters see pages 36 - 39.

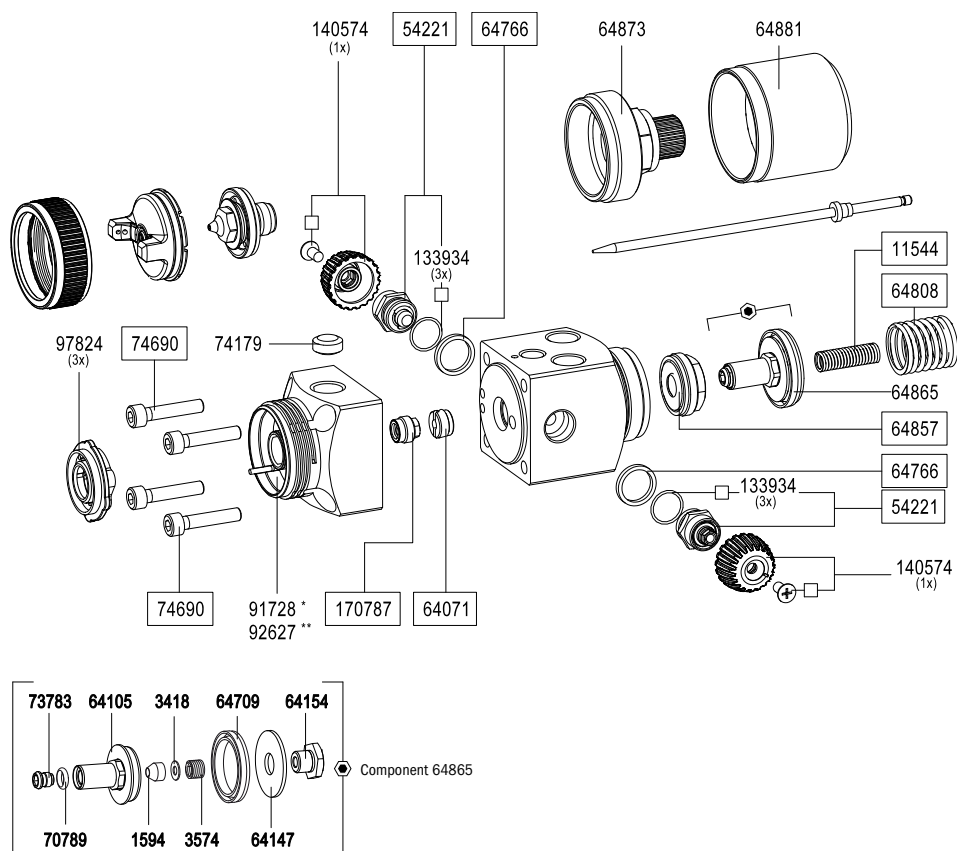
Connection diagram spray gun



Spare Parts SATAjet® 3000 A RP®

Valid for spray guns produced as of 08/2014

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



Art. No./Descr.

14183

Tool kit

- Extraction tool
- Socket wrench 7 mm width
- Cleaning brush
- Allen wrench 4 mm width
- Universal spanner



Select suitable spare parts for the version in use

- * Standard (Aluminium)
- ** Stainless steel

Art. No./Descr.

☐ Included in repair kit

217505

Repair kit

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAjet® 3000 A HVLP



SATAjet 3000 A HVLP

Technical Data	Air consumption at 2.5 bar: 450 NI/min		
	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
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Standard version (anodised aluminium)

Art. No.	*	94441	94458	124602	124594	124545	*	*	*
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Stainless steel version

Art. No.	156604	94490	94508	124610	124552	124560	*	*	*
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Stainless steel with carbide nozzle set

Art. No.	-	-	-	-	-	-	179002	*	*
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Nozzle set

Art. No.	129916	94367	94375	129577	129700	129718	*	*	*
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Nozzle set with life time prolonging surface treatment of fluid tip and paint needle

Art. No.	*	203141	212209	*	*	*			
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Nozzle set with carbide fluid tip and paint needle

Art. No.	-	-	-	-	-	-	96776	96784	96792
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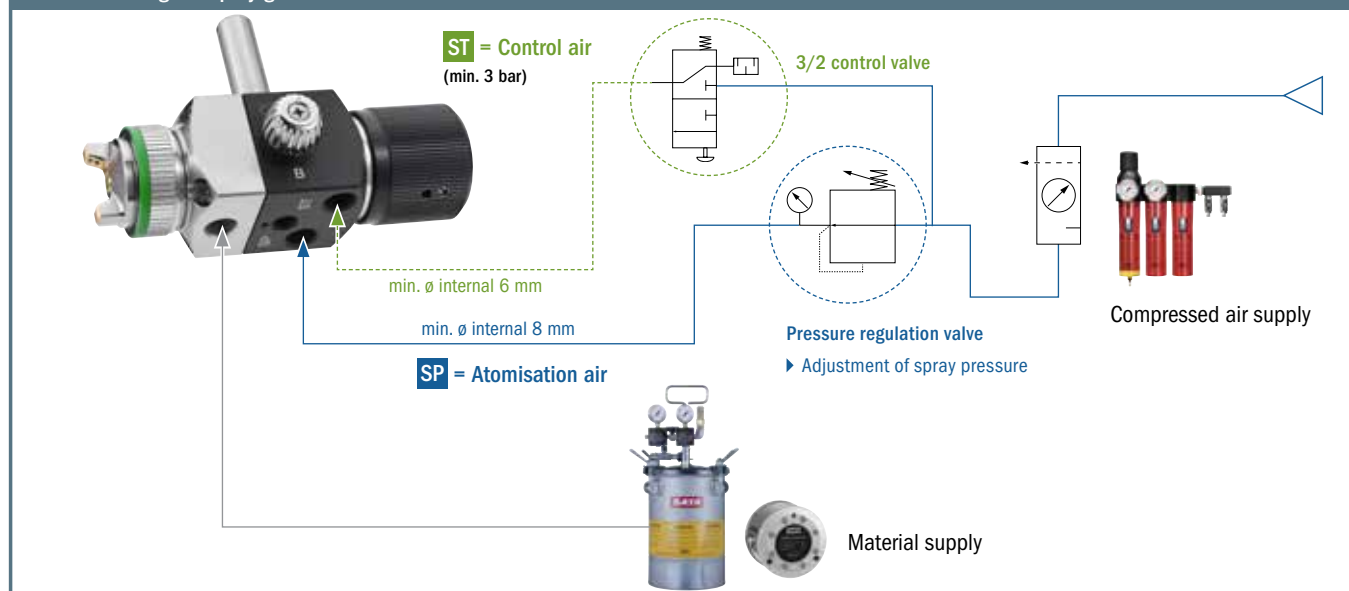
* available upon request

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 36 - 39.

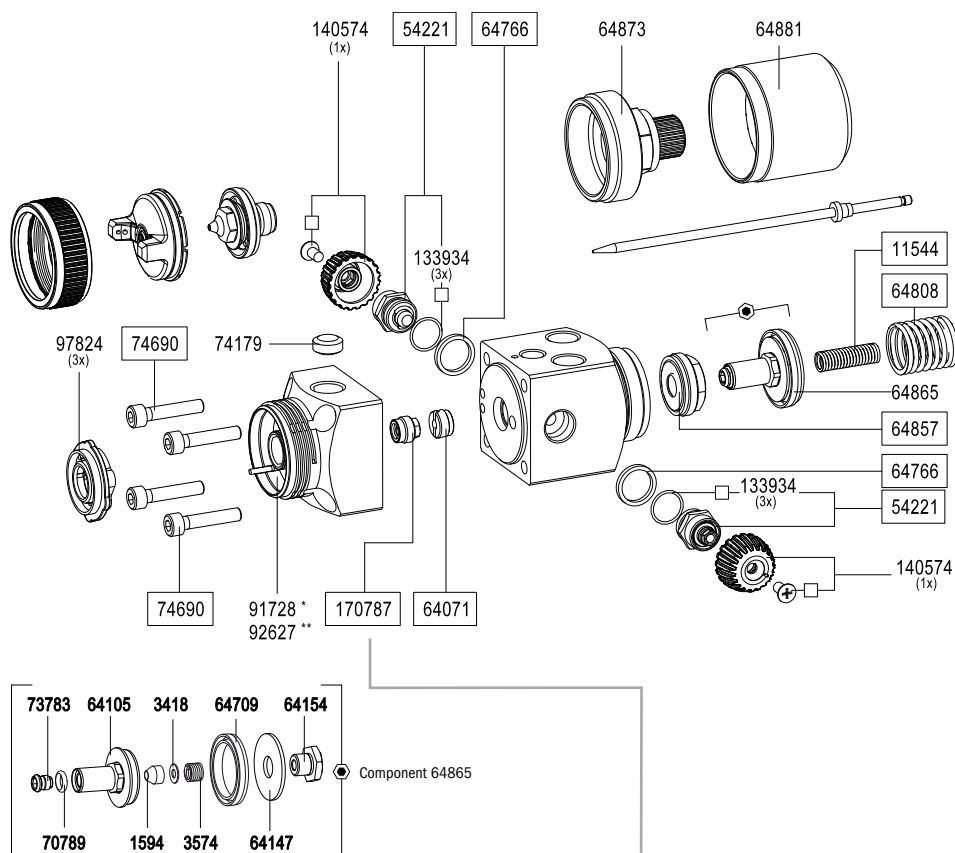
Connection diagram spray gun



Spare Parts SATAjet® 3000 A HVLP

Valid for spray guns produced as of 08/2014

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

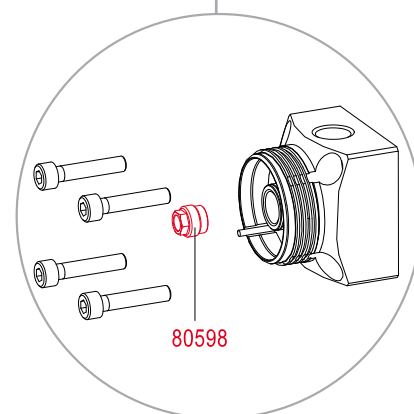


Select suitable spare parts for the version you use

- * Standard (Aluminium)
- ** Stainless steel

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

Art. No. 80598



Art. No./Descr.

14183

Tool kit

- Extraction tool
- Socket wrench 7 mm width
- Cleaning brush
- Allen wrench 4 mm width
- Universal spanner



All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAjet® 3000 ROB RP®



SATAjet 3000 ROB RP

Technical Data Externally controlled, fully-automatic spray gun for high performance coatings	Air consumption at 2.5 bar: 450 NI/min		
	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 <u>with</u> material flow control						
Art. No.	*	204883	220491	220509	*	*
Stainless steel version with life time prolonging surface treatment of fluid tip and paint needle						
Art. No.	*	146928	220467	220475	*	*
Stainless steel version <u>with</u> material circulation for the use on quick change adapter 188573						
Art. No.	220483	182063	97857	182071	*	*
Stainless steel version <u>with</u> material circulation, <u>with</u> material flow control for the use on quick change adapter 188573						
Art. No.	*	205401	220541	*	*	*
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	*	*	*

* available upon request

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	
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Connection kits, quick change adapters see pages 36 - 39.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

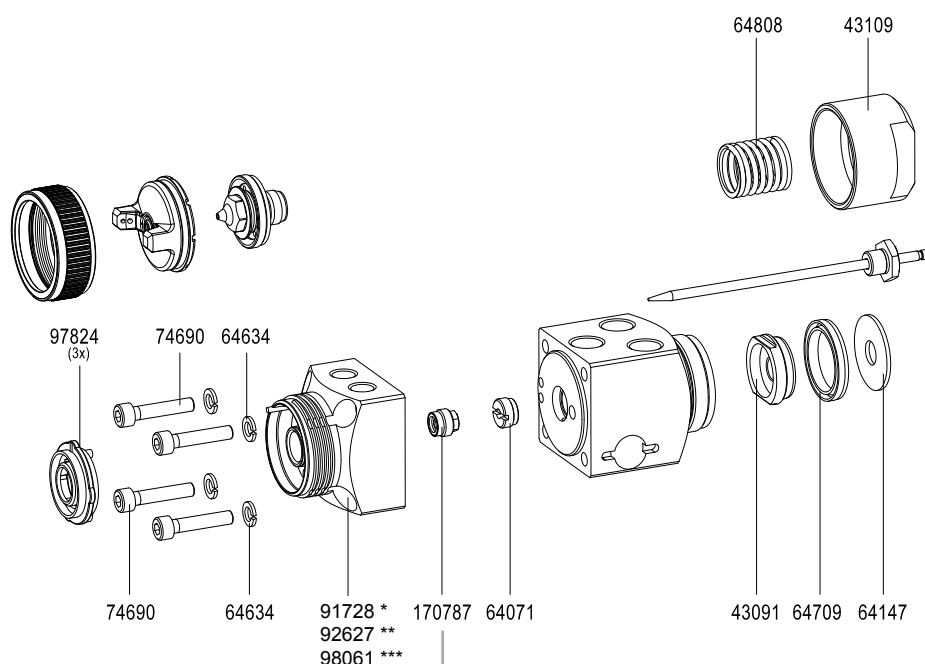
Spare Parts SATAjet® 3000 ROB RP®



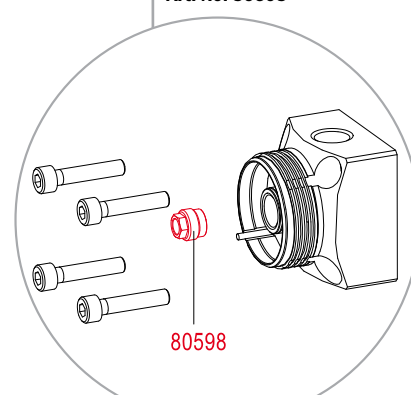
Valid for spray guns produced as of 08/2014

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

Art. No./Descr.
14183
Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



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



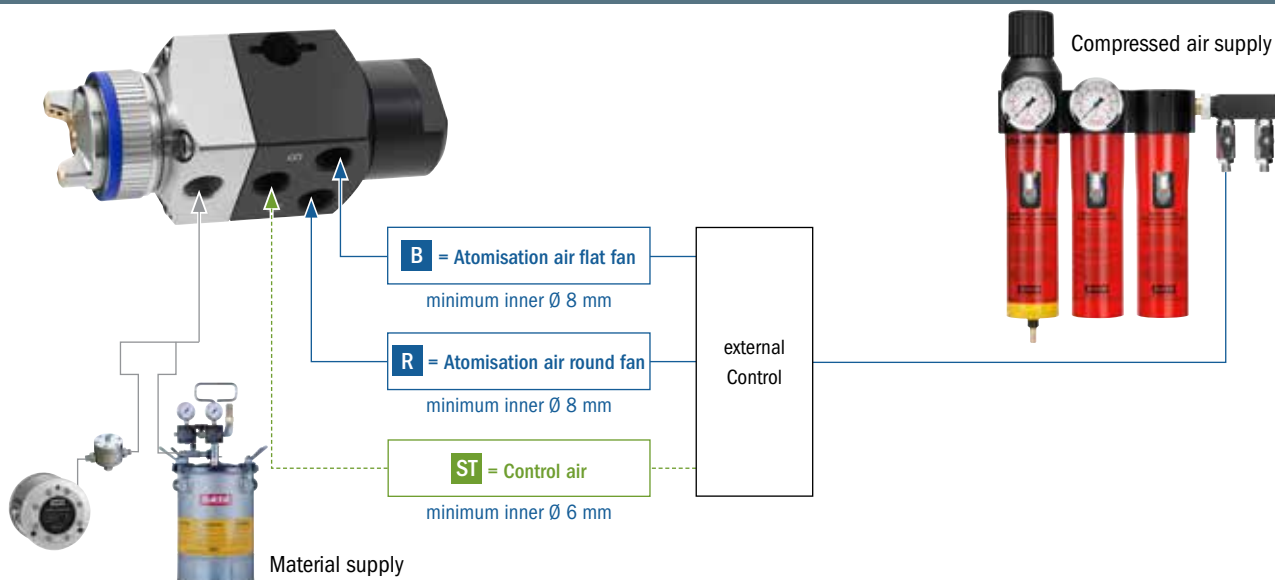
Select suitable spare parts for the version in use

* 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	Air consumption at 2.5 bar: 450 NI/min		
Externally controlled, fully-automatic spray gun for high performance coatings	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
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Standard version (anodised aluminium)

Art. No.	220426	94532	94540	124651	180976	1007922	
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Stainless steel version

Art. No.	220459	94573	94581	124644	129395	129403	
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Nozzle set

Art. No.	129940	94151	94169	126433	124206	124214	
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Nozzle set with life time prolonging surface treatment of fluid tip and paint needle

Art. No.	139659	139667	*	138016	140814	*	
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* available upon request

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 36 - 39.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

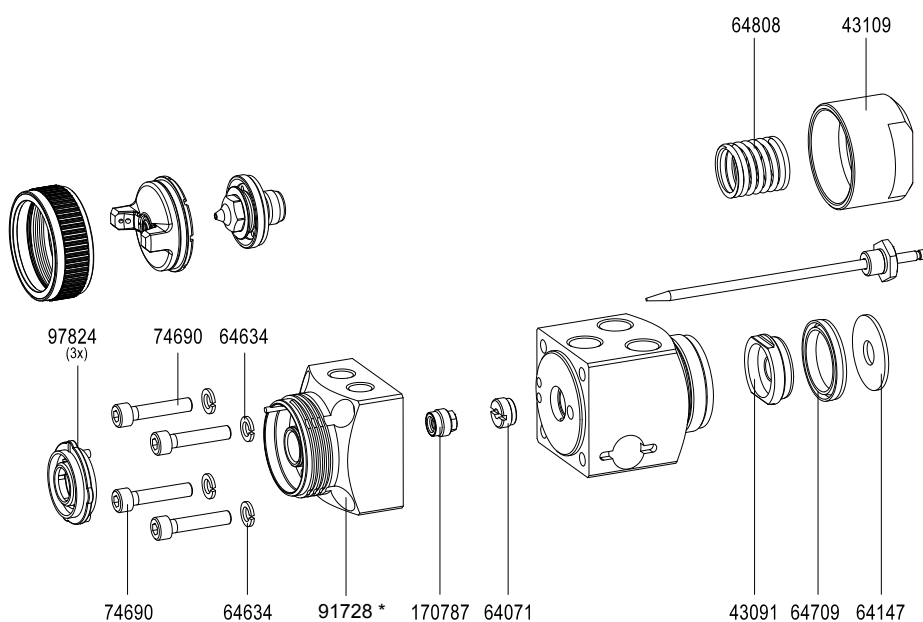
Spare Parts SATA® 3000 ROB HVLP



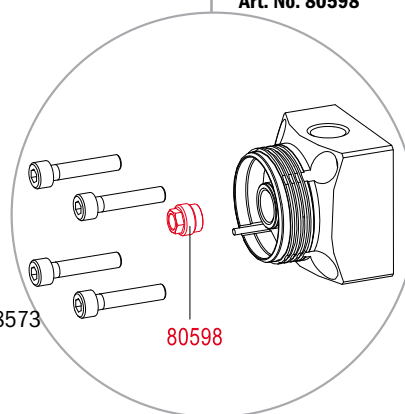
Valid for spray guns produced as of 08/2014

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

Art. No./Descr.
14183
Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



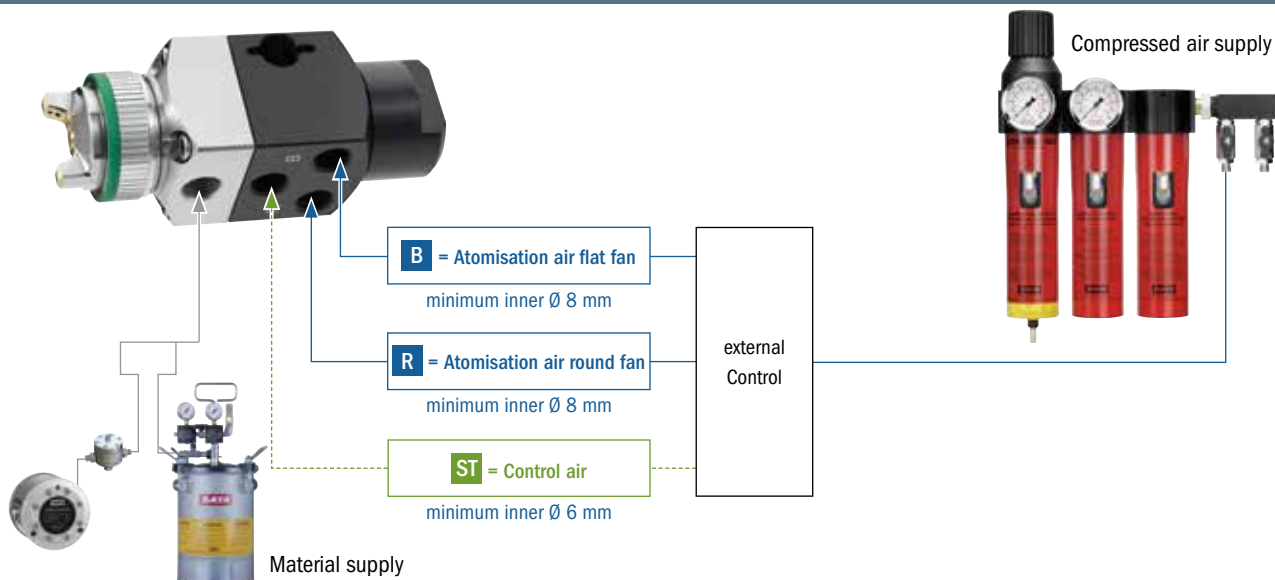
Spray guns produced before 08/2014:
Installation position of seal retainer above material passage
Art. No. 80598



Select suitable spare parts for the version in use

- * Standard (Aluminium)
- ** Stainless steel
- *** Stainless steel with material circulation for use on quick change adapter 188573

Connection diagram spray gun



All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAjet® 1000 A RP®



SATAjet 1000 A RP

Technical Data	Air consumption at 2.5 bar: 440 NI/min		
Internally controlled automatic spray gun for universal coating applications	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 request

SATAjet 1000 A RP

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

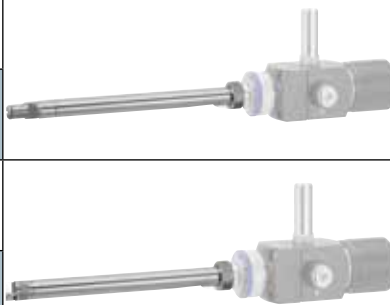
* available upon request

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	
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Connection kits, quick change adapters see pages 36 - 39.

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 extension 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

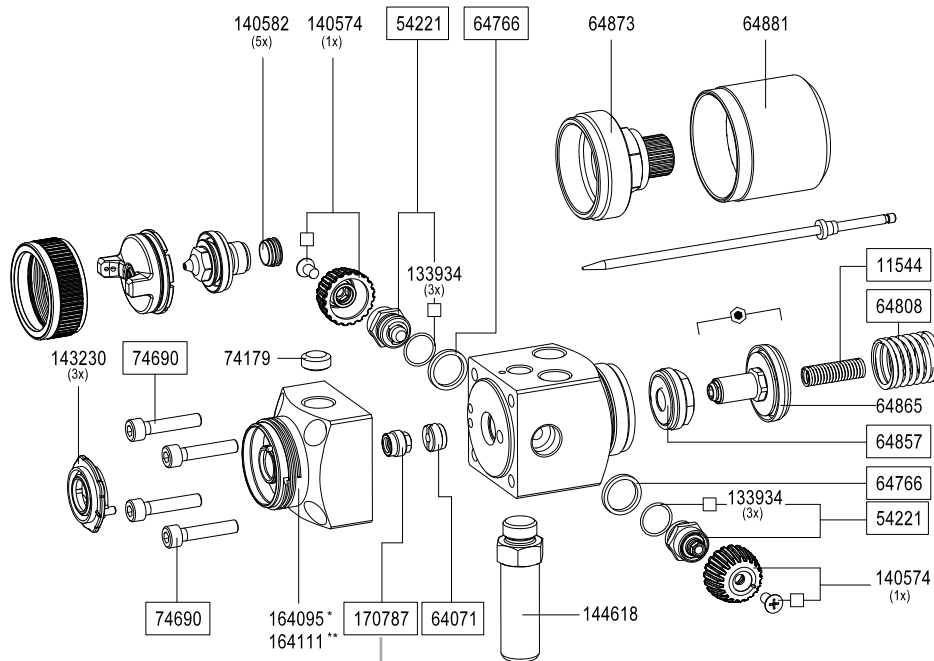
All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Spare Parts SATAjet® 1000 A RP®

Valid for spray guns produced as of 08/2014

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

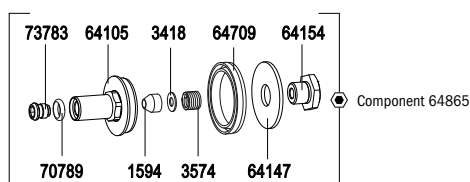
Art. No./Descr.
14183 Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



Select suitable spare parts for the version you use

* Standard (Aluminium)

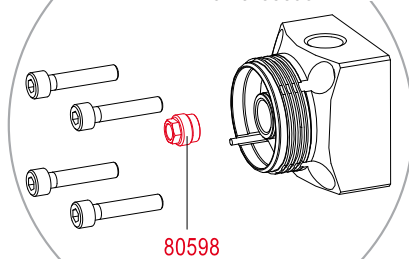
** Stainless steel



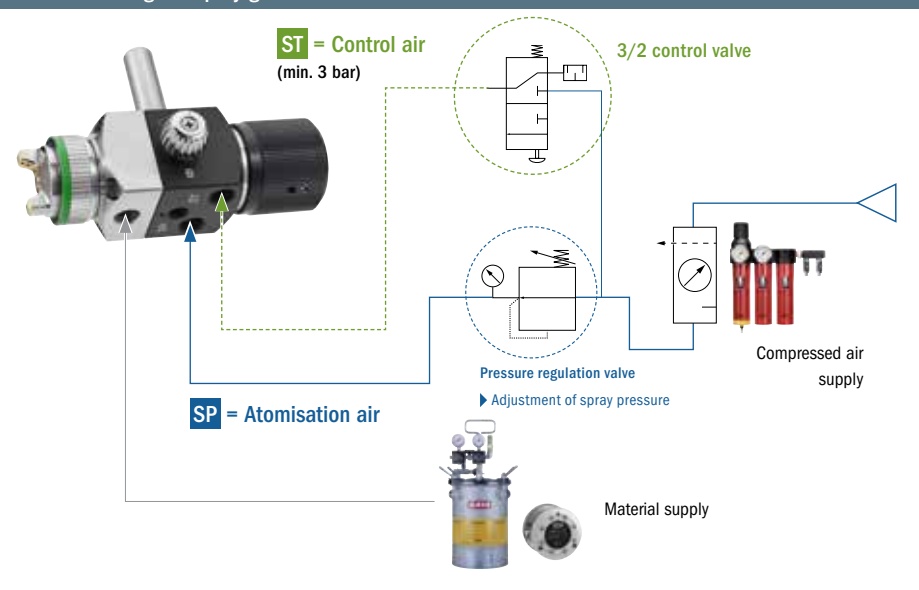
Art. No./Descr.
☐ Included in repair kit
217505 Repair kit

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

Art. No. 80598



Connection diagram spray gun



SATAmijet® 1000 A RP® / HVLP



SATAmijet 1000 A RP

Technical Data	Air consumption at 2.5 bar: 195 NI/min		
Internally controlled automatic spray gun for finest atomisation on small surfaces	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
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Stainless steel version

Art. No.	220517	203596	203604	220525	220533	
Art. No.	203661	203679	203687	203695	203703	

* available upon request

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

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

Technical Data	Air consumption at 2.5 bar: 170 NI/min		
Internally controlled automatic spray gun for finest atomisation on small surfaces	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
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Stainless steel version

Art. No.	170746	170753	170761	170779	194902	*	
Nozzle set							
Art. No.	171009	171017	171025	171033	203711	*	

* 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 SATAmijet 1000 K/A/ROB HVLP	
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Connection kits, quick change adapters see pages 36 - 39.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Spare Parts SATAminijet® 1000 A RP® / HVLP

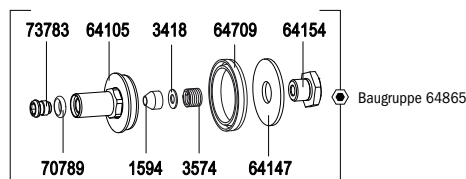
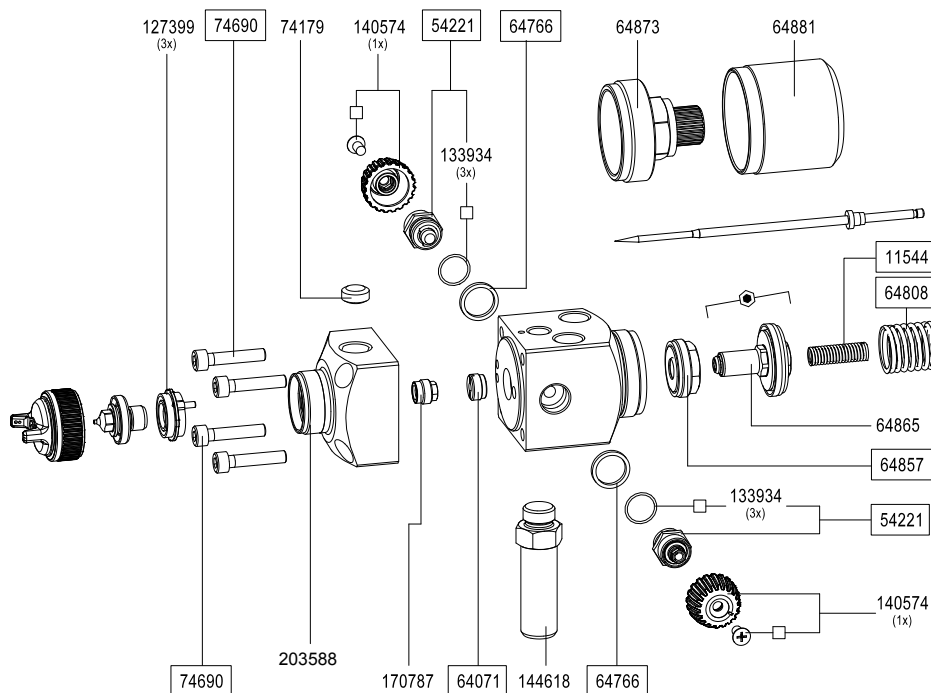


Art. No./Descr.

1594	Teflon seal for paint needle jet, GR, LM and others
3418	Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVLP
3574	Pressure spring for
11544	Pressure spring for paint needle
14183	Tool kit
54221	Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B
64071	Seal retainer, cpl. air side
64105	Control piston for SATA LP, ready for assembly
64147	Washer for SATA LP90, ready for assembly
64154	Hollow screw
64709	Sleeve
64766	Washer
64808	Pressure spring
64857	Seal retainer, cpl. with piston sealing
64865	Control piston for SATA LP90, cpl.
64873	Closing cap, cpl.
64881	Control cap for LP90, complete
70789	O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90
70789	O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90
73783	Hexagonal socket head screw
74179	Intermediate piece, plastic
74690	Cylinder screw M 5x25, stainless steel
127399	Air distribution ring (packing unit 3 pieces)
133934	Sealing (packing unit 3 pieces) for spindle
140574	Control knob with screw
144618	Fixing bolt D 15 - 1/4" (male thread)
170787	Seal retainer, cpl. material side
203588	Nozzle head, cpl. stainless steel

Art. No./Descr.

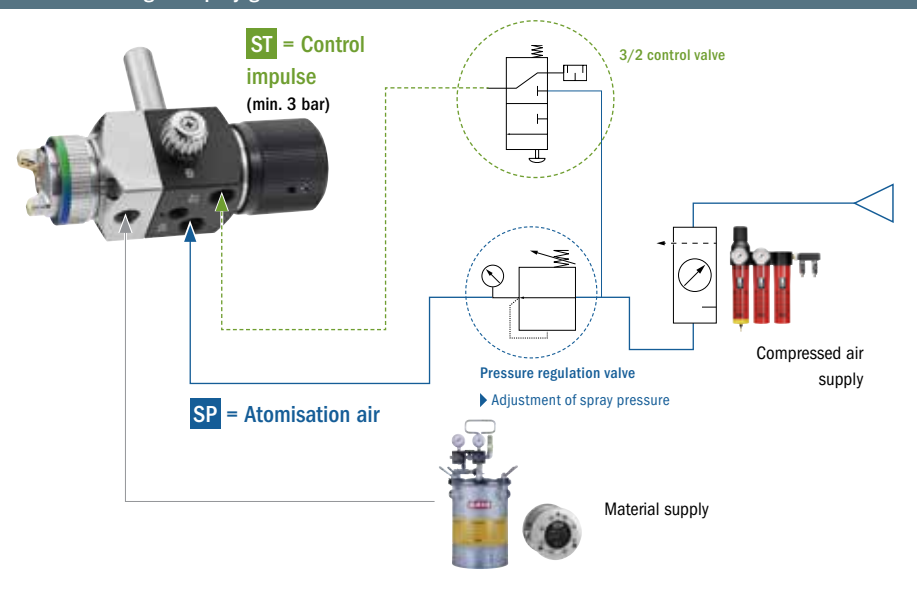
14183	Tool kit
•	Extraction tool
•	Socket wrench 7 mm width
•	Cleaning brush
•	Allen wrench 4 mm width
•	Universal spanner



Art. No./Descr.

☐	Included in repair kit
217505	Repair kit

Connection diagram spray gun



SATAmijet® 1000 ROB RP® / HVLP



SATAmijet 1000 ROB RP

Technical Data	Air consumption at 2.5 bar: 220 NI/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	0,5	0,8	
Stainless steel version						Stainless steel version with material flow control		
Art. No.	220624	203612	203620	220632	220640	1039115	1028829	
Nozzle set								
Art. No.	203729	195206	203737	203745	203752	1039131	1039149	

* available upon request

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

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

Technical Data	Air consumption at 2.5 bar: 150 NI/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	
Stainless steel version							
Art. No.	220590	203638	203646	203653	220608	*	
Nozzle set							
Art. No.	203760	203778	203786	185678	185686	*	

* available upon request

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

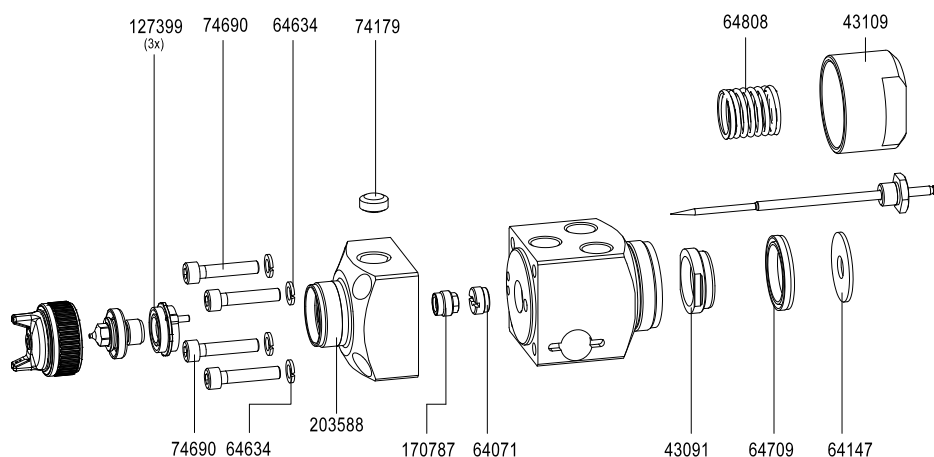
204875	Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAmijet 1000 K/A/ROB HVLP	
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Connection kits, quick change adapters see pages 36 - 39.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Spare Parts SATAminijet® 1000 ROB RP® / HVLP

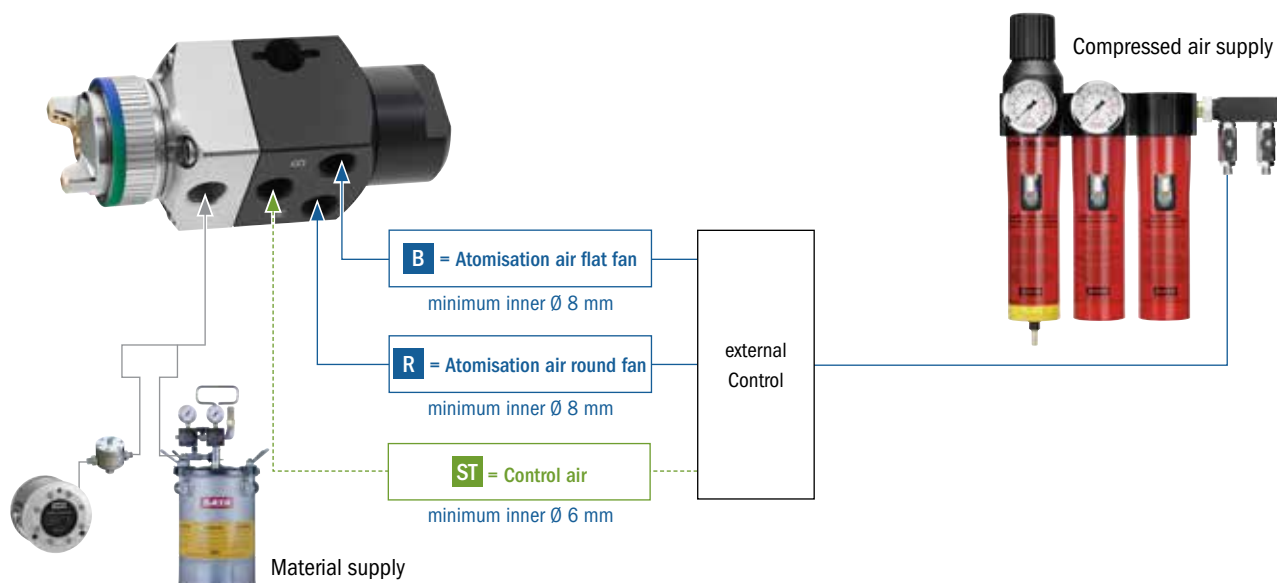
Art. No./Descr.
14183
Tool kit
64071
Seal retainer, cpl. air side
64147
Washer for SATA LP90, ready for assembly
64709
Sleeve
64808
Pressure spring
43091
Control piston LP 90-ROB, ready for assembly
43109
Closing cap
74179
Intermediate piece, plastic
74690
Cylinder screw M 5x25, stainless steel
170787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



Art. No./Descr.
14183
Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



Connection diagram spray gun



SATAmijet® 1000 A S HVLP



SATAmijet 1000 A S HVLP

Technical Data	Air consumption at 2.5 bar: 200 NI/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
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Standard version (anodised aluminium)

Art. No.	149021	149039	149047	149054
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Nozzle set

Art. No.	149476	149484	149492	149500
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Spray guns and nozzle sets with life time prolonging surface treatment of fluid tip and paint needle available upon request.

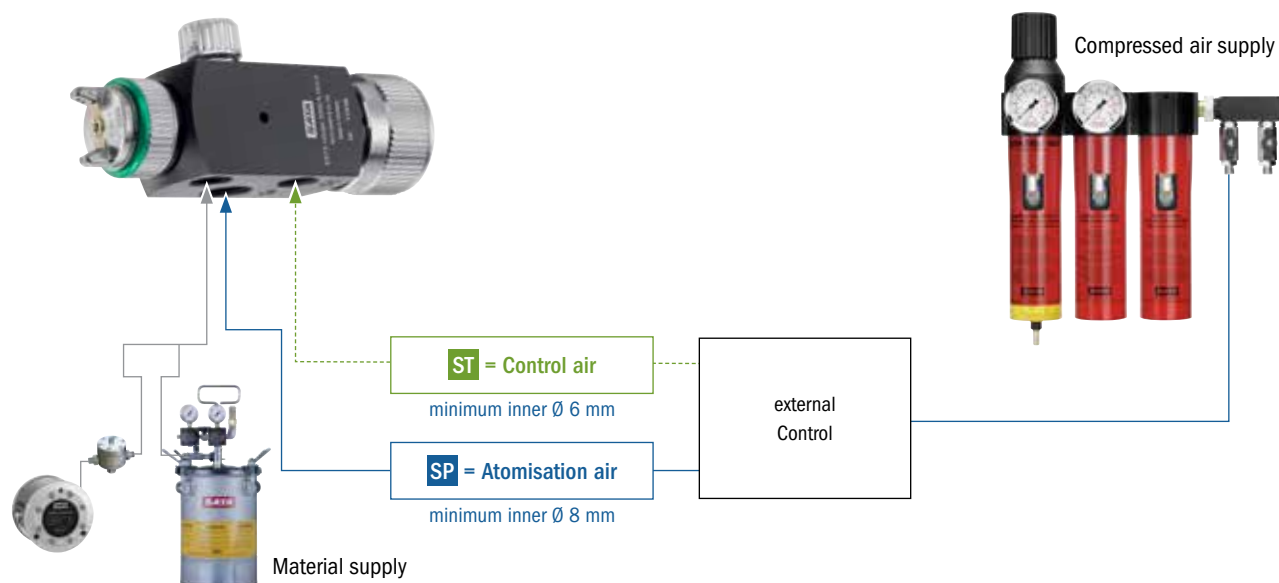
Test air caps for setting the required spray parameters (reproducibility).

204875	Test air cap 0.3 - 1.2 with 2 pressure gauges, cpl. for SATAmijet 1000 K/A/ROB HVLP
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Connection kits, quick change adapters see pages 36 - 39.

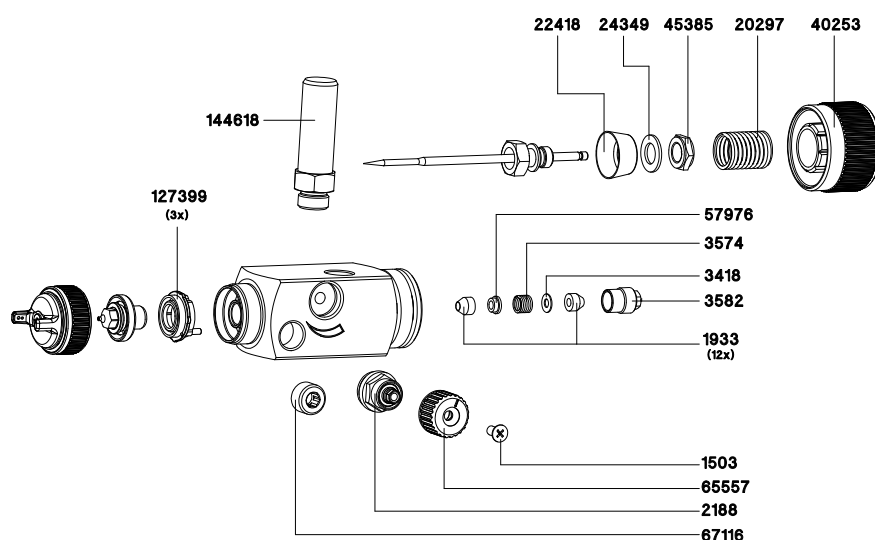
Connection diagram spray gun



Spare Parts SATAminijet® 1000 A S HVLP



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



Art. No./Descr.
14183 Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® LPS™ 2000



SATA LPS RB 2000 RP, SATA LPS R 2000

Technical Data	Air consumption SATA LPS RB 2000 RP at 2.5 bar: 200 NI/min - 250 NI/min		
	Air consumption SATA LPS R 2000 at 2.5 bar: 120 NI/min - 150 NI/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.

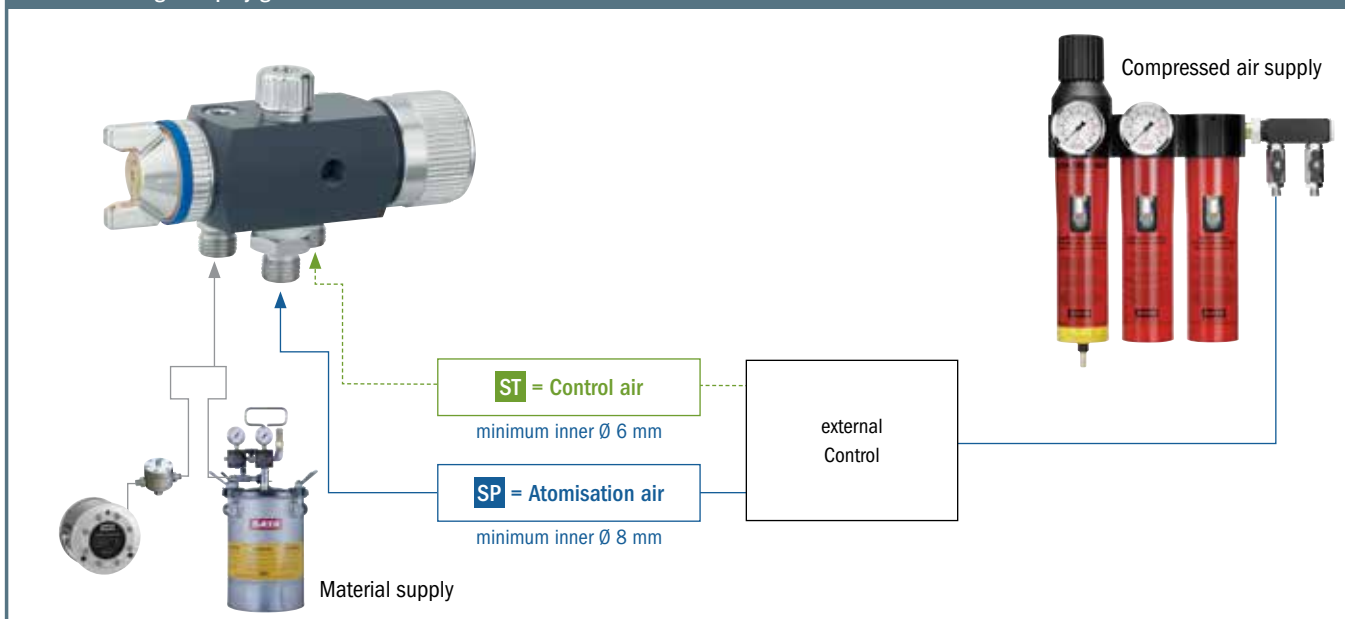
Nozzle	0,5	0,8
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SATA LPS R 2000 marking gun with round fan (anodised aluminium)

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 request

Connection diagram spray gun

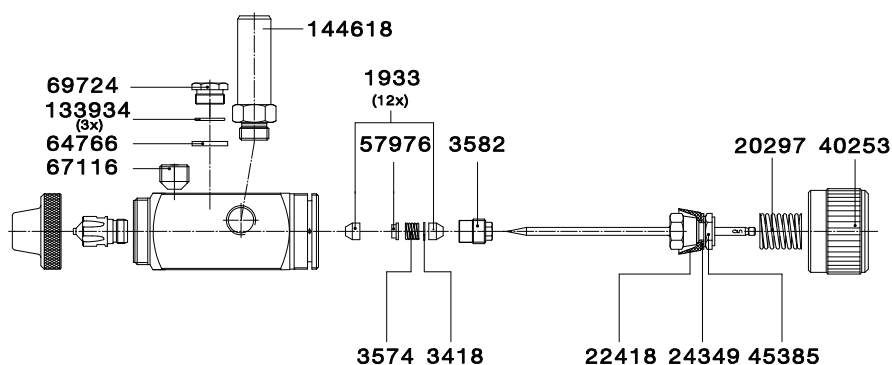


All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Spare Parts SATA® LPST™ 2000



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



Art. No./Descr.
14183
Tool kit
- Extraction tool - Socket wrench 7 mm width - Cleaning brush - Allen wrench 4 mm width - Universal spanner



Connection Kits / Accessories



Connection kits		
144667	Connection kit for SATAjet 3000 A, jet 1000 A, minijet 3000 A	DN 8 SP DN 6 ST 1/4 a 1/4 a Material connection
144675	Connection kit, stainless steel for SATAjet 3000 A, SATAjet 1000 A, minijet 3000 A	DN 8 SP DN 6 ST 1/4 a Material connection
144683	Connection kit for SATAjet 3000 ROB	DN 8 2x R/B DN 6 ST 1/4 a G 1/4 male/female Material connection Extension for control air
144691	Connection kit, stainless steel for SATAjet 3000 ROB, SATAMinijet 1000 ROB	DN 8 2x R/B DN 6 ST 1/4 a 1/4 a/i Material connection Extension for control air
144709	Connection kit for SATAMinijet 3000 A S, LPS RB 2000, LPS R 2000	1/4 a SP 3/8 a Seal 1/4 a 2x Control air/Material connection
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 kits for quick change adapter 1w		
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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Quick 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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Quick change adapter SATAjet A / ROB

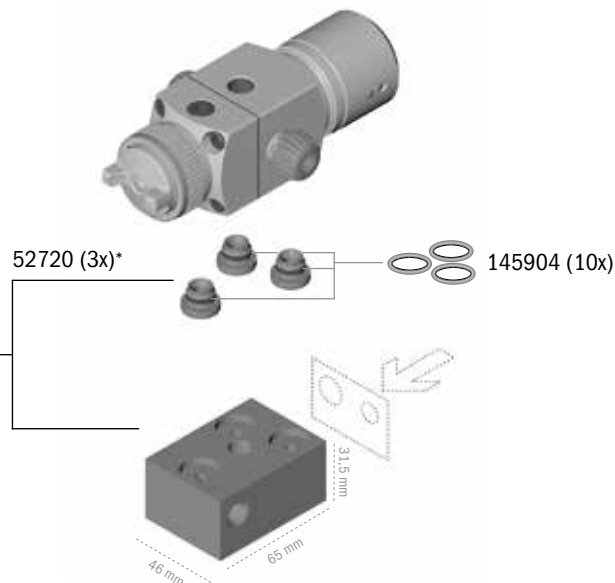
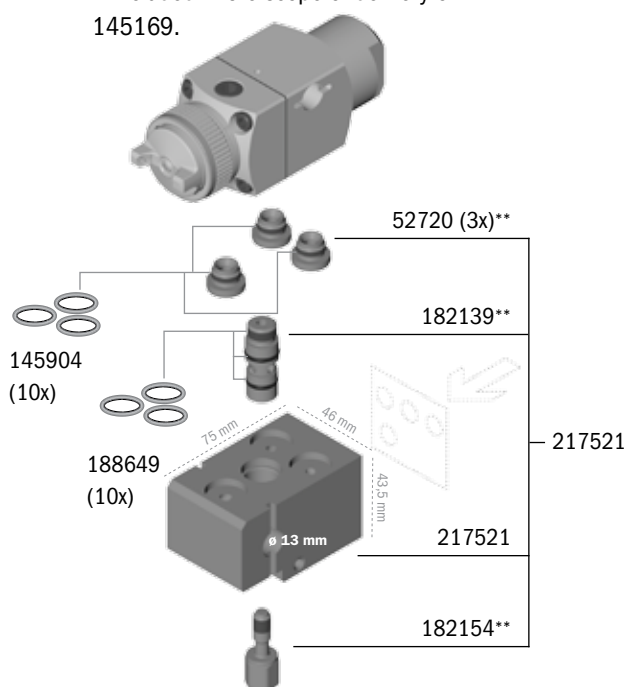
Only for the series ►

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

Art. No./Descr.
52720
Distance piece 1/4" (male thread) (packing unit 3 pieces)
145169
Quick change adapter cpl. with fixing screw, with distance pieces 52720
188649
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

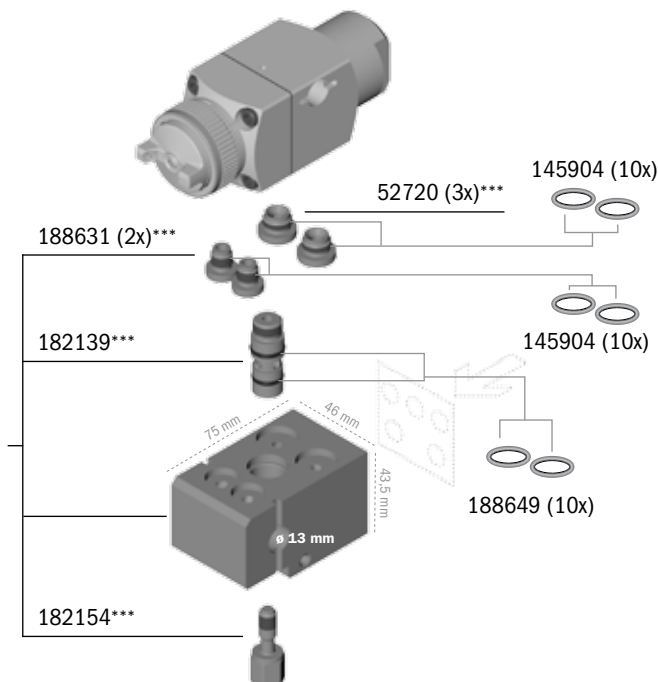
► Only for the series

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

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

Drilling template for adapter plate connection upon application.

** included in the scope of delivery of 217521.



Quick change adapter with material circulation

► Only for the model ranges

- SATAjet 3000 ROB RP (HVLP on demand)
- SATAminijet 1000 ROB RP (HVLP upon application)

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

Drilling template for adapter plate connection upon application.

*** included in the scope of delivery of 188573.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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

FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet A automatic spray guns



Art. No./Descr.

208603

FIRA quick change adapter with integrated material fine pressure regulator, incl. connection elements for SATAjet ROB automatic spray guns

SATAjet® 3000 A spray mix



SATAjet 3000 K spray mix

Technical Data Internally controlled automatic spray gun for atomisation air assisted airless coatings	Air consumption at 3.0 bar:		Flat fan 90 NI/min
			Round fan 220 NI/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
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Stainless steel version

144527	SATAjet 3000 A spray mix with round / flat spray control, without material, stainless steel
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Strainer

70615	SATA paint strainer 100 msh, G 1/4"
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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
 → Angle
 → ø mm

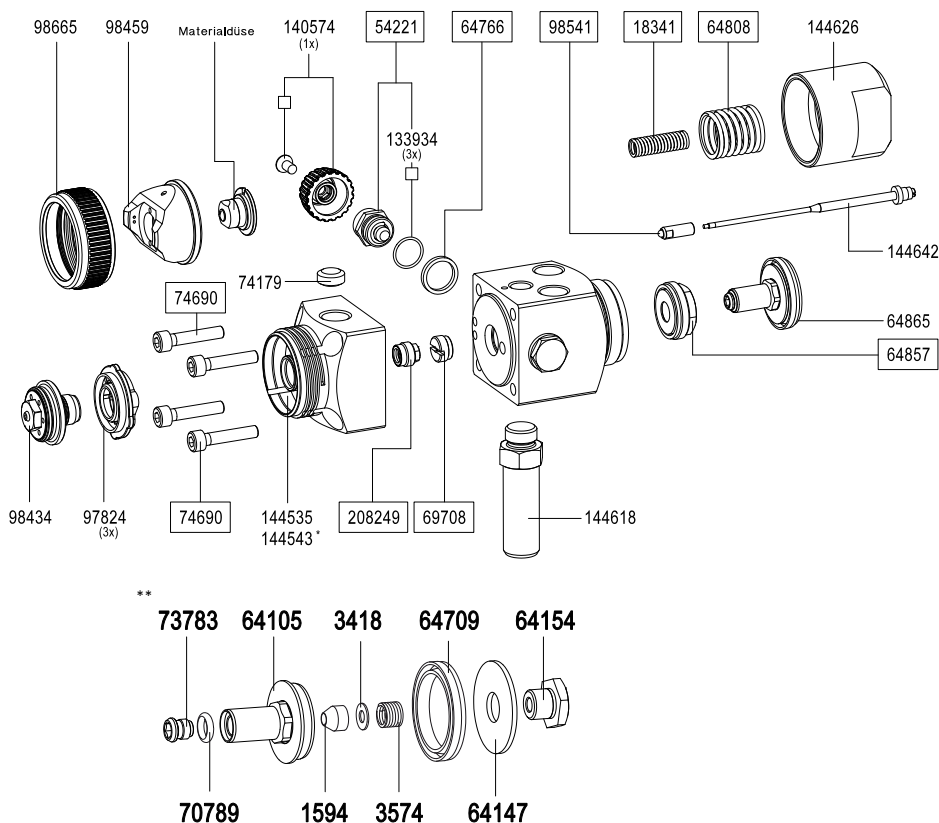
Connection kits, quick change adapters see pages 36 - 39.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Spare Parts SATAjet® 3000 A spray mix

Art. No./Descr.

1594	Teflon seal for paint needle jet, GR, LM and others
3418	Washer 3,7 DIN 125, brass, for SATA jet, LP90 NAD-92 and SATAjet 2000 HVL
3574	Pressure spring for
14183	Tool kit
18341	Pressure spring for paint needle
54221	Spindle complete, for SATAjet/90, SATAjet, regulation valve and MC-B
64105	Control piston for SATA LP, ready for assembly
64147	Washer for SATA LP90, ready for assembly
64154	Hollow screw
64709	Sleeve
64766	Washer
64808	Pressure spring
64857	Seal retainer, cpl. with piston sealing
64865	Control piston for SATA LP90, cpl.
69708	Seal retainer, cpl. with needle packing
70789	O-ring 5 x 2 mm, ethylene-propylene, for control piston SATA LP90
73783	Hexagonal socket head screw
74179	Intermediate piece, plastic
74690	Cylinder screw M 5x25, stainless steel
97824	Air distribution ring (3 pieces)
98434	Pre-nozzle, cpl. SATA jetK3 Spray mix
98459	Air cap round/flat spray fan
98665	Air cap ring
98541	Carbide needle tip
133934	Sealing (packing unit 3 pieces) for spindle
144535	Nozzle head, cpl.
140574	Control knob with screw
144618	Fixing bolt D 15 - 1/4" (male thread)
144626	Closing cap
144642	Paint needle, cpl.
Differing components with stainless steel version:	
144543*	Nozzle head, cpl. stainless steel



Art. No./Descr.

14183

Tool kit

- Extraction tool
- Socket wrench 7 mm width
- Cleaning brush
- Allen wrench 4 mm width
- Universal spanner



Art. No./Descr.

☐ Included in repair kit

144733

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



All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® Lab Test Spray Guns

SATAjet 5000 LAB RP

Nozzle	1,2W	1,2	1,3	1,4	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol					
Art. No.	224592	1028803	224576	224584	
Nozzle set					
Art. No.	1032094	1032086	1032101	1032119	

SATAjet 5000 LAB HVLP

Nozzle	WSB	1,3	1,4	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol				
Art. No.	224568	224543	224550	
Nozzle set				
Art. No.	1032127	1032135	1032143	

SATAjet 4000 LAB RP

Nozzle	1,2	1,2W	1,3	1,4	1,6	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol						
Art. No.	182634	182659	182642	*	*	
Nozzle set						
Art. No.	184903	184911	184895	198747	*	

SATAjet 4000 LAB HVLP

Nozzle	1,0	WSB	1,3	1,4	1,5	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol						
Art. No.	219766	182618	182626	*	*	
Nozzle set						
Art. No.	206680	184929	184937	198960	198754	

SATAjet 3000 LAB RP

Nozzle	1,0	1,2	1,3	1,4	1,6	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol						
Art. No.	221218	118216	140368	157313	*	
Nozzle set						
Art. No.	140871	119750	140350	141366	141374	

SATAjet 3000 LAB HVLP

Nozzle	WSB	1,3	1,5	
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol				
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			

* available upon application

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® Lab Test Spray Guns

SATAjet 2000 LAB HVLP

Nozzle	WSB	1,3	1,5
Lab test spray gun with 0.6 l PVC reusable cup with spray pattern and test protocol			
Art. No.	94821	90829	*
Nozzle set			
Art. No.	141416	16485	16519

SATAmijet 3000 LAB HVLP

189803	SATAmijet 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	SATAmijet 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

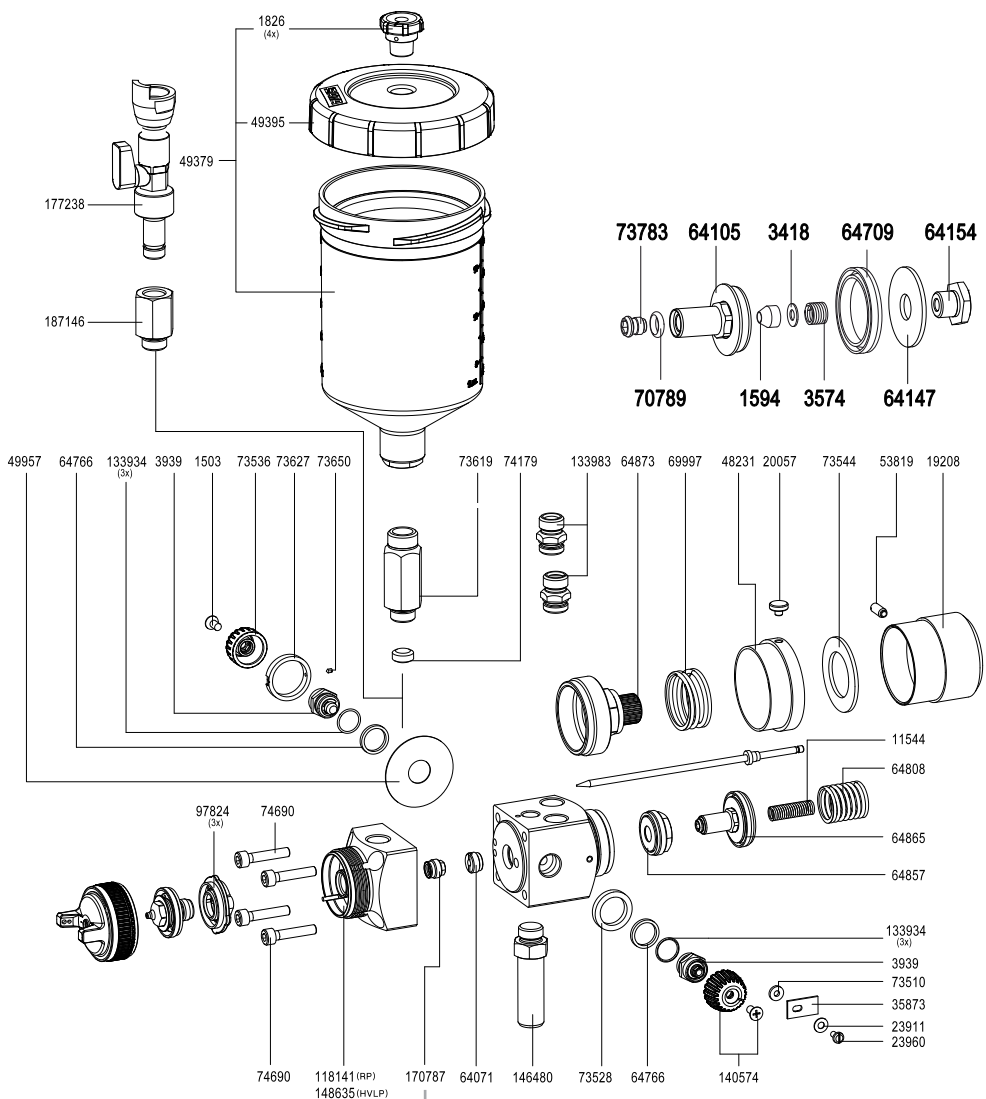
72595	SATA LP90 lab test spray gun, all material passages made of stainless steel, nozzle MSB 1.35, 0.6 l PVC cup, with spray pattern and test protocol
72603	Nozzle set SATA LP90 lab test spray gun, nozzle MSB 1.35, with spray pattern and test protocol
81786	Nozzle set SATA LP90 ROB lab test spray gun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

* available upon application



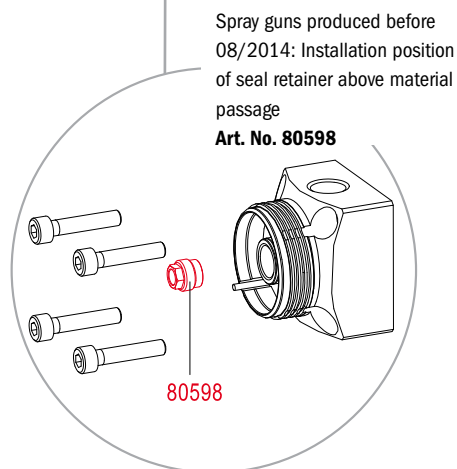
Spare Parts SATAjet® 3000 LAB

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



Art. No./Descr.
73627 Index ring for LP90 test gun
73650 Threaded pin M2 x 3

Art. No./Descr.
73783
Hexagonal socket head screw
74179
Intermediate piece, plastic
74690
Cylinder screw M 5x25, stainless steel
170787
Seal retainer, cpl. material side
97824
Air distribution ring (3 pieces)
118141
Nozzle head, cpl., SATAjet 3000 LAB RP
133934
Sealing (packing unit 3 pieces) for spindle
133983
Air connection piece 1/4" male thread
140574
Control knob with screw
146480
Fixing bolt D 14 - G 1/4
148635
Nozzle head, cpl.



Art. No./Descr.
177238 Cup quick change device with ball valve for the use of QCC reusable and disposable cups on SATA lab test spray guns
187146 Reduction nipple with quick change unit

SATAjet® 3000 K RP®/HVLP



SATAjet 3000 K RP

	Inlet pressure: 2.5 bar – 3.0 bar					
	Air consumption at 2.5 bar: 430 NI/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
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Spray gun

Art. No.	92932	93336	93344	93351	93369	93377
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Nozzle	0,8	1,1	1,3	1,5	1,7	2,0
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Nozzle set

Art. No.	92494	92502	92510	92528	95422	95356
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available upon request

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

SATAjet 3000 K HVLP

	Inlet pressure: 2.5 bar					
	Air consumption at 2.5 bar: 560 NI/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
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Spray gun

Art. No.	93385	92924	93393	193656	96164	96172
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Nozzle	0,8	1,0	1,2	1,4	1,6	2,0
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Nozzle set

Art. No.	92783	92791	92809	191379	92817	92825
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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 SATAmijet	

Further accessories as well as material and air hoses see pages 75 – 77.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAjet® 1000 K RP®/HVLP



SATAjet 1000 K RP

Technical Data



Inlet pressure: 2.5 bar

Air consumption at 2.5 bar: 410 l/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
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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	on request	141937	141945	141952	-	-	-	-
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Spray gun with slit nozzle

Art. No.	-	-	-	-	-	-	-	154344	154351	154369	-
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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	on request	141689	141697	141705	159442	-	-	-
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Slit nozzle set

Art. No.								154393	154401	154419	-
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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 l/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
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Spray gun

Art. No.	139196	139204	139212	193664	139220	139238		
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Spray gun with lifetime prolonging surface on fluid tip and paint needle

Art. No.	141960	141978	141986	-	142000	142018		
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Nozzle set

Art. No.	139253	139261	139279	191387	139287	139295		
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Nozzle set with lifetime prolonging surface of fluid tip and paint needle

Art. No.	141762	141770	141804	-	141812	141838		
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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 SATAmijet	

Further accessories as well as material and air hoses see pages 75 - 77. Extensions see page 48.

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°), 30 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)

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATAmijet® 1000 K RP®/HVLP



SATAmijet 1000 K RP

Technical Data



Inlet pressure: 2.5 bar

Air consumption at 2.5 bar: 200 NI/min

Spray distance: 17 cm - 21 cm

Material connection: 1/4" male thread

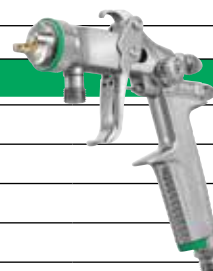
Nozzle	0,3	0,5	0,8	1,0	1,2	1,4
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Spray gun

Art. No.	187450	187468	187476	187484	187492	197152
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Nozzle set

Art. No.	187625	187633	187641	187658	187666	197160
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SATAmijet 1000 K HVLP

Technical Data



Inlet pressure: 2.5 bar

Air consumption at 2.0 bar: 120 NI/min

Spray distance: 10 cm - 15 cm

Material connection: 1/4" male thread

Nozzle	0,3	0,5	0,8	1,0	1,2
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Spray gun

Art. No.	190280	190298	190306	190314	190322
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Nozzle set

Art. No.	190348	190355	190363	190371	190389
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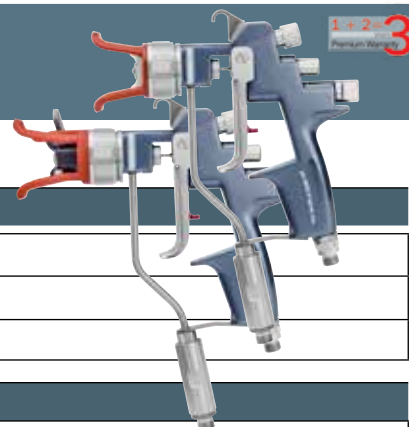
Required Accessories

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 75 - 77.

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
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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)

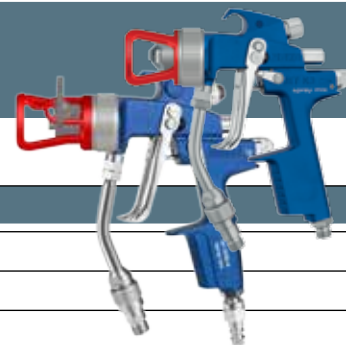
Fluid tip		Inversion nozzle for inversion switch		Technical Data						
Euro 87.90 (4) Euro 114.00 (4)*		Euro 147.90 (4)								
Nozzle No.	Art. No.	Nozzle No.	Art. No.	ø mm	ø inch	Angle	Width	l/min at 70 bar (1015 psi)		Strainer
1840	23044*			0,18	0,007	40°	18	0,16		
2325	7328			0,23	0,009	25°	14	0,23		
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	200 msh 85 µm	74856 Set of four pcs.
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		
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	100 msh 150 µm	12278 Set of four pcs.
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		
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	60 msh 250 µm	12260 Set of four pcs.

Nozzle No.: XX.YY
 → Angle
 → ø mm

Hose pairs see pages 75 – 77.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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		
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		
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		
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		

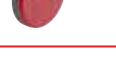
Nozzle No.: XX.YY
 → Angle
 → ø mm

Hose pairs see page 77.

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 #2771	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

2771	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)	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.



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 NI/min

Maximum air volume flow (at 6 bar, air distributor fully opened): 740 NI/min

Available versions

213819	SATA air vision 5000 set (Int.) Version without activated charcoal adsorber	
1000249	SATA air vision 5000 respirator hood (Int.)	
1000124	SATA air vision 5000 carbon set (Int.) 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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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	
218206	SATA activated charcoal filter, cpl. 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 l/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	
134353	SATA air star F, filter A2:P3 D, 2 pre-filter holders and 10 pre-filters	
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	
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All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® air star C

SATA air star

Technical Data

Required minimum operating pressure: 4.0 bar

Required minimum air volume flow: 150 NI/min

Maximum air volume flow: 305 NI/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



97485 SATA protect Protective goggles



All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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)	
97485	SATA protect Protective goggles	

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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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.
- A bypass switch allows to top up the SATA AB1 with demineralised water also while in use, to avoid work interruptions.
- 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 continuous operation.



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

Technical Details

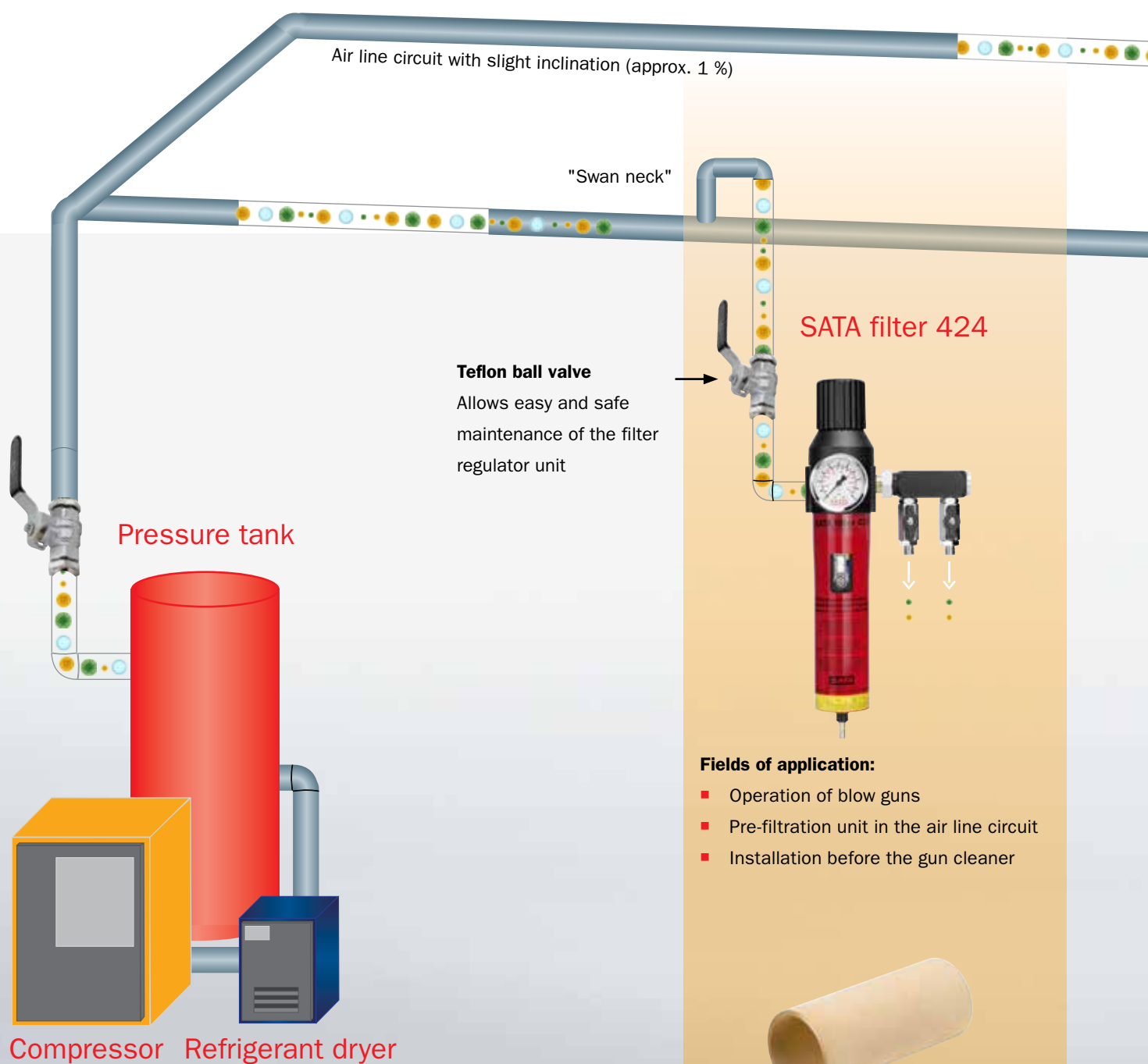
Dimensions (b x h x d)	900 mm x 600 mm x 350 mm
Weight	approx. 50 kg
Relative breathing air humidity* (approx.)	22 - 25%
Breathing air temperature** (approx.)	20 - 25° C
Min. inlet pressure	6.5 bar
Max. inlet pressure	8.0 bar
Recommended operating pressure	4.0 - 5.5 bar
Max. allowed operating pressure after AB1 regulation valve	6.0 bar
Max. air flow	1900 l/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)

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.



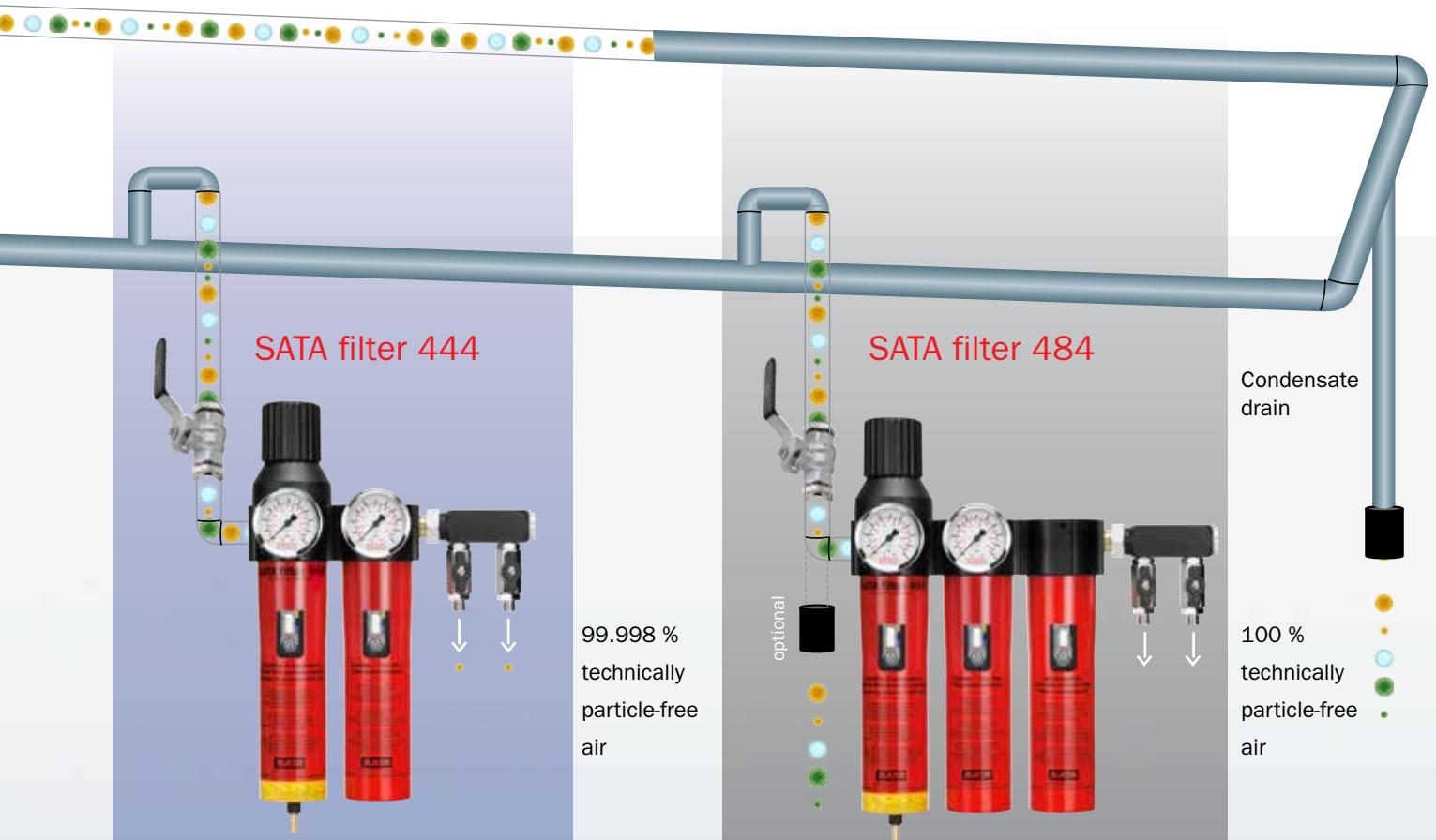


Compressed air generated by the compressor can be contaminated with various substances:

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

First filter stage: Oil/water separator with sintered filter

- The air is accelerated inside the cyclone separator ensuring that oil droplets and condensate are collected on the wall of the filter canister.
- The sintered filter separates particles > 5 μm .
- Exchange interval: every 6 months.
- Not sufficient for spraying or for breathing

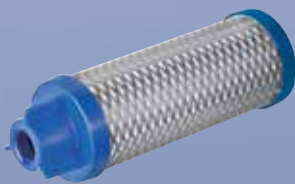


SATA filter 444

99.998 %
technically
particle-free
air

Fields of application:

- Application of solvent-based paint systems
- Air supply to breathing protection equipment with activated charcoal adsorber on the belt unit



Additional second filter stage: fine filter

- The fine filter separates particles $> 0.01 \mu\text{m}$;
Capacity of particle filtration: 99.998 %.
- Exchange interval: every 6 months.
- **Not** sufficient for spraying waterborne paint or for breathing

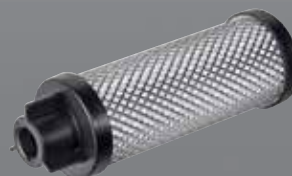
SATA filter 484

Condensate
drain

100 %
technically
particle-free
air

Fields of application:

- Application of waterborne and solvent-based paint systems
- Air supply to breathing protection equipment without activated charcoal adsorber



Additional third filter stage: activated charcoal filter

- Activated charcoal adsorbes oil vapours from the compressed air.
- Exchange interval: every 3 months.
- Suitable for spraying also waterborne paint and for breathing

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 NI/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 100 series – Technical details

Type	SATA filter 100 prep	SATA filter 103 prep
		
Separation degree	99.998% technically particle-free air (referred to particles > 0,01 µm)	
Fine filter	Sintered filter: 5 µm Fine filter: 0.1 µm	
Air flow	800 NI/min at 6 bar	
Temperature resistance	up to 50°C	
Air inlet	G 1/2"	
Air outlet	1/4" male thread	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® filter 414™/ 424™/ 434™/ 464™



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 NI/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

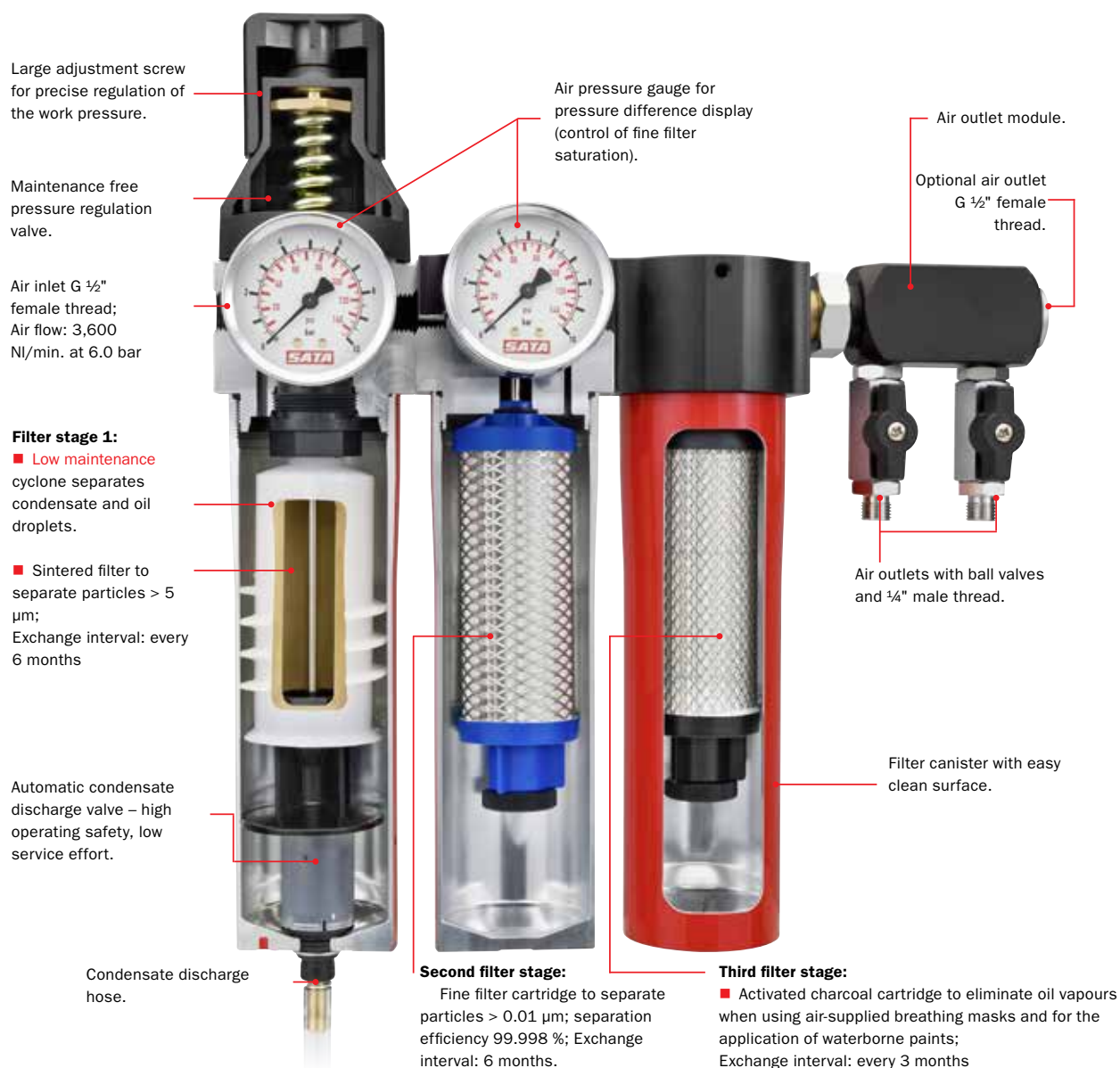
92296	SATA filter 444 double-stage sinter filter/fine filter with pressure regulator and outlet module (2 x 1/4" male thread)	
92304	SATA filter 444 L double-stage sinter filter/fine filter with pressure regulator, for pipeline installation (G 1/2" female thread)	
92312	SATA filter 474 double-stage fine 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)	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Schnittmodell SATA filter 484

SATA filter 400 series – Technical details

Type	SATA filter 444	SATA filter 484
		
Separation degree	99.998% technically particle-free air (referred to particles > 0,01 µm)	100% technically particle-free air (referred to particles > 0,01 µm)
Fine filter	Sintered filter: 5 µm Fine filter: 0.01 µm	
Air flow	3,600 NI/min at 6 bar	
Temperature resistance	up to 120°C	up to 60°C
Air inlet	G ½" male thread	
Air outlet	2x ¼" female thread; 1x G ½" male thread	



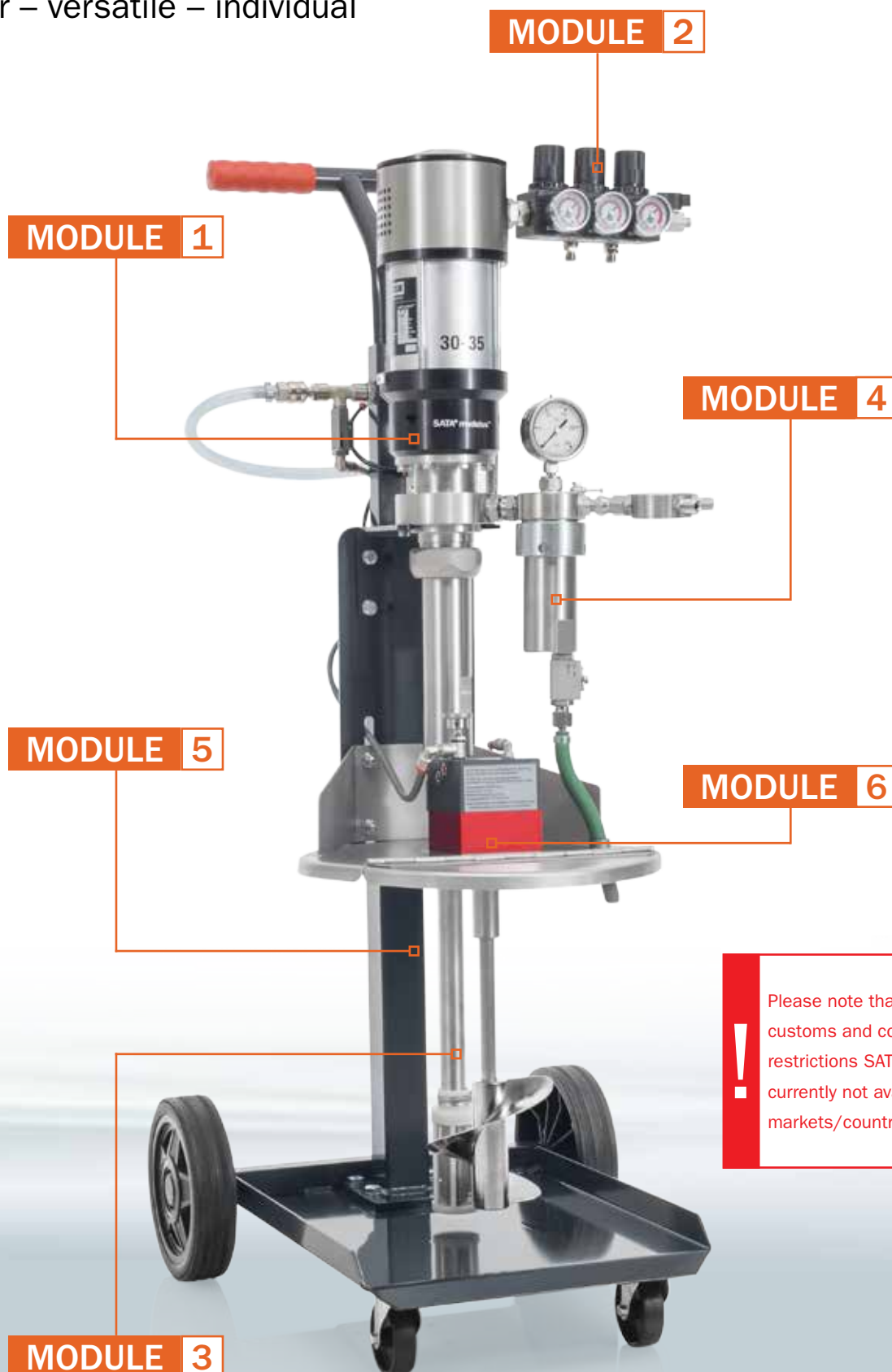
All prices are recommended list prices. Errors, technical modifications and printing errors reserved.



SATA® modulus™

SATA modulus Piston Pump System

modular – versatile – individual



! Please note that due to customs and country-specific restrictions SATA modulus is currently not available in all markets/countries.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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.

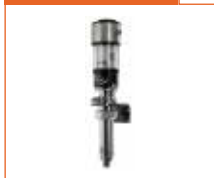
This is due to the modular design of the SATA modulus which provides more than 10,000 different alternative versions. The modular construction system allows an individual design of the

pump, thus meeting optimum work conditions 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

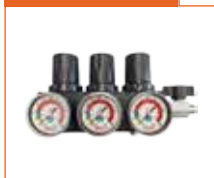


Pump module

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 68)

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

(see pages 76 - 77)



Spray guns (without illustration page 68)

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

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 HVLV 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 76 - 77.

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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

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			
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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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

SATA® Paint Pressure Tanks 24 l / 48 l

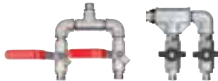


SATA FDG 24N / SATA FDG 48N

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

Art. No.	Features					
	Single pressure reducer	Double pressure reducer	Pot insert	Hand agitator	Compressed air agitator without gear drive	Compressed air agitator with gear drive

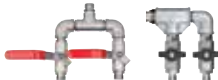
SATA FDG 24N* with ...

177725	x		Optional (cannot be retrofitted, please contact us before ordering)				
177733	x			x			
177741	x				x		
177758	x					x	
177766	x						x
177774		x					
177782		x		x			
177790		x			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				x		
177857	x					x	
177865	x						x
177873		x					
177881		x		x			
177899		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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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 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 pages 76 - 77.

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

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

Accessories

SATA ball valves

7989	Ball tap (Teflon) G 3/8" (female thread)	
2626	Ball tap (Teflon) with both-sided threaded joint G 3/8" (female thread), hose olive for material hose 9 mm	
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	

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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 SATAmi-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 SATAglyph 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
3293	SATA hose pair 9 x 9 mm, 6 m, G 3/8" and G 1/2" (material), G 1/4" (air) (female thread) for industrial paints and glue
15453	SATA hose pair 9 x 9 mm, 10 m, G 3/8" and G 1/2" (material), G 1/4" (air) (female thread) for industrial paints and glue
97014	SATA hose pair 9 x 9 mm, 15 m, G 3/8" and G 1/2" (material), G 1/4" (air) (female thread) for industrial paints and glue
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

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.

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 x 6 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)
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97030	SATA spray mix hose pair with covering fabric netting, 6 x 6 mm, 15 m, G 1/4" (female thread) (material and air)
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Hose pairs for release agent systems* (discontinuation in 2019)

64659	SATA hose pair 4 x 6 mm, 3 m, solvent-resistant for release agent spray gun SATAminijet 3000 B T
64998	SATA hose pair 4 x 6 mm, 3 m, not solvent-resistant for release agent spray gun SATAminijet 3000 B T

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

All prices are recommended list prices. Errors, technical modifications and printing errors reserved.



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