Contents [Original Version: German]

	**Read first!**
Read completely and thoroughly through this system description and the operating instructions for the used components before use. Comply with the safety instructions and danger warnings!	

Always make sure that these operating instructions are kept with the product or keep them easily accessible for everyone at any time!

The breathing protection equipment [1]

[1-1] Compressed air supply system
[1-2] Breathing protection hood (SATA air vision 5000)
[1-3] SATA air warmer / cooler stand alone
[1-4] SATA air regulator belt plus
[1-5] SATA air regulator
[1-6] SATA air carbon regulator
[1-7] Safety compressed air tube to the air regulator
[1-8] Spray gun
[1-9] SATA air humidifier
[1-10] Compressed air tube to the spray gun
[1-11] Air warmer in SATA air carbon regulator (SATA air warmer)
[1-12] Minimum version
[1-13] Version with air humidifier
[1-14] Version with air warmer / cooler
[1-15] Version with air humidifier and air warmer / cooler

Description of the breathing protection equipment

Minimum version [1-12]
The minimum version of the breathing protection apparatus consists of the breathing protection hood **[1-2]**, the belt **[1-4]** and the air regulator **[1-5]**.

Extended version [1-13], [1-14], [1-15]
Alternatively, the air regulator is also available with activated charcoal filter **[1-6]**. An air warmer **[1-11]** can be used as an option in the extended version with activated charcoal filter. The breathing protection apparatus can be supplemented by adding an air humidifier **[1-9]** and a stand-alone air warmer or cooler **[1-3]**.
Safety compressed air hoses connect the individual components to each other and to the compressed air supply system **[1-1]**. The components are rated to work together and are tested and approved as breathing pro-

tection equipment.

1. General information

The SATA air vision 5000 System, hereinafter breathing protection equipment, supplies the user with clean air for breathing. Furthermore, the breathing protection equipment protects the user from breathing contaminated air.
The breathing protection equipment can be made up of different components to obtain various breathing protection apparatuses in differing versions.
The system description refers to using the components in a breathing protection apparatus.
Information about operation, handling, care, maintenance, cleaning, warnings and error messages together with troubleshooting for the individual components can be found in each particular set of operating instructions.

1.1. Target group

This system description is intended for

- Painting and varnishing professionals.
- Trained personnel for varnishing work in industrial and craftman's workshops.

1.2. Accident prevention

As a basic principle, the general and specific national accident prevention regulations must be heeded, together with corresponding workshop and industrial safety instructions. Users of breathing protection units need a medical examination to ensure their suitability. In Germany, this is subject to the "guidelines on the principles for preventive medical check-ups in the workplace, G 26: users of breathing protection units for work and rescue". Furthermore, due consideration must be given to the pertinent regulations as per breathing protection leaflet DGUV rules 112-190.

1.3. Replacement, accessory and wear-and-tear parts

In principle, only original replacement, accessory and wear-and-tear parts from SATA are to be used. Accessories that were not delivered by SATA are not tested and not approved. SATA assumes no liability whatsoever for damages incurred due to the use of unapproved replacement, accessory and wear-and-tear parts.

1.4. Warranty and liability

The SATA General Conditions of Sale and Delivery and further contractual agreements, if applicable, as well as the valid legislation at the time apply.

SATA is not liable in case of

- Not adhering to the system description and the operating manuals
- When the product is used in other than the intended ways of usage.
- When untrained staff is employed.
- Breathing air supply not in accordance with DIN EN 12021.
- When no personal protection equipment is worn.
- Non-use of original accessory, replacement and wear-and-tear parts
- Not adhering to the specifications regarding quality of air supplied to the breathing protection device
- When the product is manipulated, tampered with or technically modified.
- Natural wear and tear
- In case when the product has been exposed to untypical shockloads and impacts during usage.
- Impermissible assembly and disassembly work

1.5. Applicable directives, regulations and standards

REGULATION (EU) 2016/425
Personal Protection Equipment

German Ordinance on the Use of Personal Protective Equipment(P-SA-BV)
Regulation covering safety and health protection while using personal protection gear during work

Directive 2014/34/EU
Devices and protection systems for intended use in explosion hazard areas (ATEX).

DIN EN 14594 class 3B
Breathing protection devices – Compressed air tube devices with continuous air volume flow.

2. Safety Instructions

Read and comply with all directions listed in the following. Non-compliance or incorrect compliance can lead to malfunctions or severe injuries and even death.

2.1. Requirements regarding personnel

The breathing protection apparatus may only be used by experienced skilled workers and instructed persons who have thoroughly read and understood this system description. Do not use the breathing protection apparatus when tired or under the influence of drugs, alcohol or medica-

tion.

2.2. Personal protection gear (PSA)

The breathing protection apparatus offers highly effective health protection during spraying work and associated jobs in environments that pose a health-risk. The breathing protection apparatus is part of the personal protective equipment PPE in combination with protective boots, protective overalls, protective gloves, and hearing protection if necessary.

2.3. Safety Instructions

Before using the PPE breathing protection equipment, **every user** is obliged to check the capacity of the air supply system, possibly also in terms of the impact on other users of the system.
The code "H" indicates that the compressed air feed tube is heat-resistant. The code "S" indicates that the compressed air feed tube is antistatic.
Before operation, the user must proceed with a risk assessment regarding possible harmful components in the workplace, e.g. nitrogen.

- Use compressed air suitable for breathing purposes (only breathing air in accordance with EN 12021).
- For your own safety, ensure that the safety compressed air supply hose cannot be connected to systems conveying other substances.
- The use of oxygen or oxygen-enriched air is not permitted.
- Remove breathing air impurities through compressor, e.g. oil vapour, with activated carbon adsorber.
- Avoid harmful gases, vapours and particles in the air sucked in by the compressor.
- Adhere to safety regulations.
- Heed the accident prevention regulations (e.g. DGUV rule 100 – 500).
- The device may not be used in situations in which flammability can be a hazard.
- The “F” label indicates that the compressed air supply tube can be used in situations in which flammability can be a hazard.
- The breathing protection apparatus is to be connected to a stationary compressed air supply system.
- The water content in the breathing air should remain within the limits of EN 12021 to prevent the unit from freezing up.

3. Use

Intended Use

The breathing protection apparatus protects the user from inhaling harmful substances from the ambient atmosphere during spraying work or from

a lack of oxygen.

Incorrect use
Unintended use is the use of the breathing protection equipment in a surrounding atmosphere featuring radiation, heat or dust.

4. Maintenance and Care

Spare parts are available for carrying out repairs.
The breathing protection apparatus serves to protect your health. Careful handling together with constant maintenance and care of the components is necessary to warrant this function.

	**Attention!**
Damage from unsuitable cleaning agents The breathing protection equipment can be damaged by the use of aggressive cleaning products. → Do not use aggressive or abrasive cleaning agents. Use SATA wet & dry cleaner (Art. No. 75358) for cleaning. → Incedur by the company Henkel can be used for disinfection.	

Clean the breathing protection apparatus every time after it has been used, also check that it functions properly and does not leak; disinfect the breathing protection hood if necessary. New units and spare parts have a shelf life of 5 years as long as they are stored in air-tight packaging.

5. Malfunctions

If it is not possible to remedy the malfunctions with the corrective action described in the operating instructions for the individual components, send the components to the SATA customer service department. (For address see chapter 6).

6. After Sales Service

For accessories, spare parts and technical support, contact your SATA

dealer.

7. EC Declaration of Conformity

The latest version of the Declaration of Conformity can be found at:

www.sata.com/downloads