

# Functional scheme of compressed air-supplied breathing protection

With three-stage filter regulator unit






With two-stage filter regulator unit







# SATA® Breathing Protection Program – comfort and perfection

Compressed air-fed breathing protection equipment for use in combination with wall-mounted three-stage filter regulator units, e.g. SATA filter 484 with activated charcoal filter stage

Compressed air-fed breathing protection equipment for use in combination with wall-mounted two-stage filter regulator units, e.g. SATA filter 444 without activated charcoal filter stage

<b>SATA air vision 5000 set</b> Art. No. 213819	
SATA air vision 5000 hood Art. No. 1000249	
SATA air regulator belt plus Art. No. 1030676	
SATA air regulator Art. No. 1000190	

<b>Required Accessories</b>	
Safety compressed air hose crush and kink resistant, 6 m Art. No. 49080	
Air hose to connect a spray gun to the belt unit, 1.2m Art. No. 13870	

<b>Additional kits</b>	
SATA air regulator kit Art. No. 1000108	
SATA air carbon regulator set Art. No. 1000059	

<b>SATA air vision 5000 carbon set</b> Art. No. 1000124	
SATA air vision 5000 hood Art. No. 1000249	
SATA air regulator belt plus Art. No. 1030676	
SATA air carbon regulator Art. No. 1000166	
Activated charcoal filter (accessories) for SATA air carbon regulator Art. No. 218206	

<b>Optional Accessories</b>	
SATA air warmer carbon Art. No. 1000132	
SATA air humidifier Art. No. 1000299	
SATA air warmer Art. No. 1007005	
SATA air cooler Art. No. 1006982	
SATA air regulator belt Art. No. 1000215	

For more information concerning breathing protection, please contact your SATA dealer.

Your SATA dealer



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SATA® air vision 5000



German Engineering

Spray Guns | Cup Systems | [Breathing Protection](#) | Air Filtration | Accessories



Focus on breathing protection

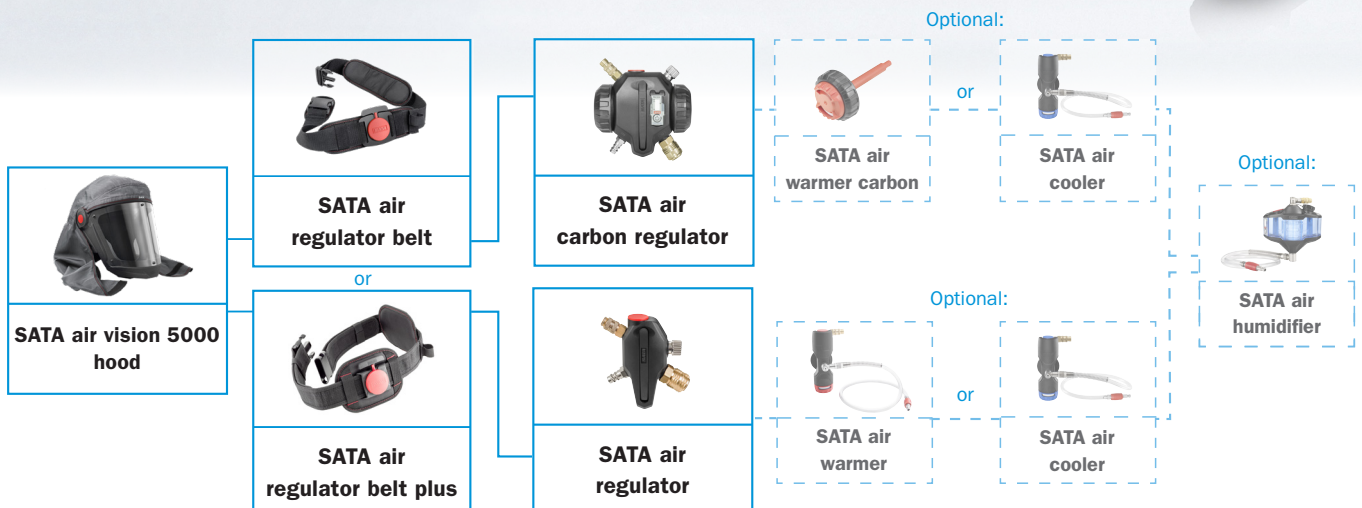
# SATA® air vision 5000: Breathing Equipment to Protect Your Health

Your employees deserve **absolute** safety by means of **clean air supplied from outside the spray booth.**

The SATA air vision 5000 puts the focus on effective health protection and lets you experience a whole new and comfortable way of breathing, due to a completely re-designed breathing air supply system. With its modern, ergonomic design, the hood can be adapted to fit almost any head shape, allowing the individual adjustment of its effective circumference, height and position.



## SATA air vision 5000 Structure



# PRODUCT BENEFITS

- High breathing air quality: The air supply independent of the ambient air eliminates all potential risks for the painter by contaminated spray booth air possibly arising from saturated filter cartridges
- No inhalation resistance, very comfortable breathing
- High protection level, suitable for long application intervals
- Protects up to 100 times the TRK-value\*
- Visor allows one-hand operation
- Non-reflecting view due to solvent-resistant special foil
- Little operating costs, quick pay-off of purchase costs
- Ergonomic design with a host of options for individual adaptations
- Soft-stream flow-optimised air distribution in the hood
- Large field of vision: approx. 297 cm<sup>2</sup> at a maximum

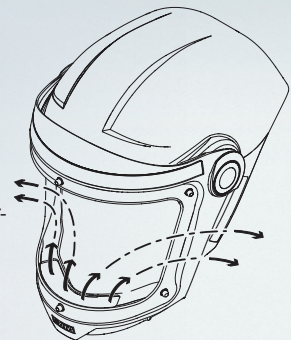
possible angle of 220°

- Reduced sound level: 64 dB (like a conversation in 1m distance)
- Rigid skull cover for safer work conditions
- Replaceable visor foils allow unchanging clear view onto the workplace
- The SATA CCS Disks (Color Code System) allow to personalise hood, SATA air regulator and SATA air carbon regulator
- To be used in conjunction with a filter unit, preferably SATA filter 484; air supply to be effected via special compressed air hose



\* TRK = Technical Reference Concentration (TRC)  
For additional information, visit: [www.sata.com/satavision5000](http://www.sata.com/satavision5000)

Increased air flow volume creates the required excess pressure inside the hood which prevents overspray intrusion



## Safety:

150 NI/min of technically clean compressed air, e.g. supplied from a SATA filter 484, ensure the slight positive pressure inside the hood, in order to securely prevent overspray and contaminants from penetrating. When the air volume falls below the required minimum threshold, an acoustic warning signal will be activated.

## Comfort:

The new method of breathing air distribution inside the hood reduces the air consumption as well as the noise level to 64

dB(A). Working with personal protection equipment becomes exceptionally comfortable. An optionally available plug-in diffusor allows an alternative air flow inside the hood. The large, low-reflection visor shield offers a very generous field of vision. To ensure perfect wearer comfort, the hood can be adapted in circumference, height and position to fit almost any head shape. The comfort band cushioning the forehead can be mounted in just a few seconds – and a second one, if required, on the upper head area, keeping the hood hygienically clean and comfortable at all times.

### SATA air regulator belt plus

The modular design of the belt unit system allows the individual adaptation and upgrade with additional modules according to the job requirements.



### SATA air vision 5000 hood

The ergonomic design with a host of options for individual adaptations and flow-optimised air stream provides highest wearer comfort – easy to replace visor foils provide for unrestricted field of view.

### SATA air regulator

The SATA air regulator can be rotated and adjusted on the belt unit by up to +/- 45°.



### SATA air warmer

The SATA air warmer heats the breathing air from cool ambient temperature to a comfortable level. The temperature can be individually adjusted.



### SATA air cooler

The SATA air cooler refrigerates the breathing air from hot ambient temperature down to a comfortable level. The temperature can be individually adjusted.



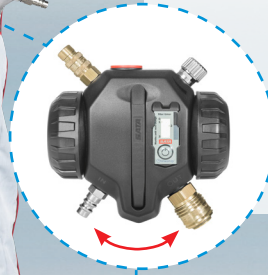
### SATA air humidifier

The breathing air humidifier can increase the relative air humidity by up to 30 %. This prevents dry mucous membranes.



### SATA air carbon regulator

The SATA air carbon regulator guarantees optimum breathing protection when wall-mounted filter regulator units without activated charcoal filter stage are being used. Its integrated activated charcoal cartridge supplies the painter with perfectly purified breathing air.



### SATA air warmer carbon

The SATA air warmer carbon can be optionally inserted in the SATA air carbon regulator to warm up the breathing air. Depending on the actual demand of supplied air, the breathing air temperature can be adjusted between 4°C up to 20°C.



## Practical:

The modular design allows the adaptation and upgrade of the new belt unit according to the job requirements. Users, for instance, have now the choice to mount the air regulation unit either on the right or on the left of the belt unit. The same applies to the second available belt option, the activated charcoal adsorber incl. regulation\*.

Useful accessories, such as the new SATA air warmer/cooler\* and/or the SATA air humidifier\* can be easily connected to the belt unit according to individual needs. Additionally, the SATA air warmer carbon has been developed as an option especially for the SATA air carbon regulator.