

AIRLINE RESPIRATORS

AC H - Airline with hood

P/N 231000008

AC H is a continuous-flow compressed air isolating respirator designed to protect the face, eyes and shoulders.

It is particularly suitable for heavy-duty work, hot environments, or long-duration tasks where filter respirators are not recommended.

Typical application sectors include:

- Medical and healthcare
- Pharmaceutical industry
- Manufacturing
- Agriculture
- Chemical industry

MAIN FEATURES

- **Maximum comfort:** The device is made comfortable by a silencer filter (EOD 55) that reduces noise and a flow regulator (AC 95) that allows air flow adjustment.
- **Ergonomic design:** Weight and design are optimized for easy and effective use.
- **Safety and protection:** Airflow is directed from the top of the user's head downward in front of the face, ensuring proper distribution and ventilation. The resulting overpressure prevents ambient air containing harmful substances from entering the breathing zone.
- **Adjustable headband:** Independent crown and circumference adjustment for a comfortable custom fit for a wide range of head sizes.
- **Anti-fog system:** An internal duct channels incoming air to prevent visor fogging.

COMPONENTS AND TECHNICAL REQUIREMENTS

The system consists of the following elements:

- **H hood**
- **TUR 800 corrugated breathing hose**
- **EOD 55 silencer filter**
- **AC 95 flow regulator**
- **Air supply hose (maximum allowed length: 10 m)**

Compressed air respirators must be supplied with breathable air according to EN 12021.

Supply pressure must be between **5 and 6 bar**, with a minimum flow rate per operator of **175 l/min** (a flow of at least 250 l/min per operator is recommended for higher flow usage).

DETAILED COMPONENT DESCRIPTION

H Hood

H hood consists of a head adapter with an adjustable harness; adjustment is made by rotating the ratchet at the nape of the neck, while the quick release is achieved by pulling the knob.

The adapter features a rigid shell that supports the fixed visor and an air duct that ends with the breathing tube connection. The visor and adapter assembly is covered by a long hood that protects the head, face, and shoulders and isolates them from the outside atmosphere. At the rear of the hood is a tubular profile where the breathing tube is inserted, which serves to make air leakage more difficult. The filtered air is pushed by the ventilation unit, through the breathing tube, into a ventilation duct and is introduced inside the hood above the visor, directed into the breathing area.

AC 95 Flow Regulator

Provides a continuous airflow that the operator can manually adjust (minimum flow: 175 l/min at 5 bar, maximum flow: 300 l/min at 6 bar). Equipped with an alarm that activates if the flow drops below the preset minimum.

Mounted on a support shield with a waist belt and threaded for the EOD 55 silencer filter.

Connects to the supply hose via Eurocoupling type quick connectors.

Supply hose

For Class A devices, only 10 m hoses must be used.

The medium-pressure supply hose features EuroCoupling type quick connectors for connection to the AC 95 flow regulator. It is antistatic and available in 5 m and 10 m segments.



EOD 55 silencer filter

Equipped with a male connector for the corrugated tube and a female connector for the AC 95 flow regulator.

TUR 800 corrugated breathing hose

Features a swivel male threaded connector for the hood (Rd 38x1/7") and a female threaded connector for the silencer filter (Rd 40x1/7").

TECHNICAL DETAILS

Silencer filter: Reduces noise to below 75 dB

AC 95 flow regulator: Adjustable flow between 175 and 230 l/min, alarm for flow below 175 l/min

TUR 800 breathing hose: 50 cm compressed length, with moulded connectors

Supply hoses: Available in various lengths with Eurocoupling type quick connectors: - 5 m code 1392900CJ - 10 m code 1393000CJ. Antistatic and marked "S".

MATERIALS

H hood:

Hood: Tessaform®

Visor: Polycarbonate

Headband: Polyethylene

Padding: PU-coated polyester fabric

Valves: Rubber membrane with PC cover

AC 95 flow regulator: Anodized aluminum alloy

EOD 55 silencer filter: Polypropylene housing and cover, filtering material (TNT P3 and carbon)

TUR 800 breathing hose: Reinforced PU, PA 66 threaded connectors

MP Supply Hoses: Antistatic rubber compound, nickel-plated brass connectors crimped to the hose

CLASSIFICATION

Compressed air respirator, continuous flow, line-fed, Class 3A according to **EN 14594:2018**, compliant with Regulation **2016/425/EU** as Category III PPE.

The visor is certified **EN 166:2001** in optical class 1 and offers protection against high-speed particles (average energy impacts 120 m/s), at extreme temperatures (55±2°C and -5±2°C). Visor marking: **EN 166:2001 1 BT CE**.

MARKING

CE 0426

STORAGE

Store at temperatures between -20 and +50°C and relative humidity below 80%.

WEIGHT

1500 g total, 580 g H hood.

DIMENSIONS

The respirator is packaged in a transparent plastic box with the following dimensions: 555 x 390 x 285 mm

For more information please check the notes along with the products or the ones published on the website www.spasciani.com

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