**Simplair A.E. Blouse**

The Respirex Simplair A.E. Blouse is designed for use with breathable air supplied by an external compressed air source and conforms to the European standards EN270:1994 for chemical protective clothing providing protection to parts of the body and EN270:1994 for compressed air line breathing apparatus incorporating a hood.

The quality of air flowing into the blouse must conform to EN12021:1999. The Simplair A.E. blouse is preset by Respirex to operate at the customer’s specific airline pressure.

**Product Features**

- An air system completely contained within the blouse that provides breathing and cooling air to the wearer. A maximum 340 litres/min is fed into the blouse, 240 litres/min being directed to the head for breathing purposes and 100 litres/min fed in equal proportions to the arms for cooling. This ensures a comfortable ambient temperature within the garment and helps to prevent the effects of heat exhaustion.
- An audible warning device that activates if the airflow drops below the minimum required level.
- Sufficient exhalation valves to ensure that the pressure change within the blouse does not exceed 1mbar in 1 minute.
- The air system is supported by an adjustable waist belt that is easily removed to allow access to the silencer for inspection or replacement. The waist belt is fitted with a foam back pad for wearer comfort.
- A durable rigid PVC visor allowing a high degree of undistorted vision or a lightweight, totally transparent PVC hood with reinforced seams enabling 360º vision.
- Optional disposable outer visor.
- Gloves compatible with the blouse material are fitted by means of the Respirex ® locking cuff mechanism enabling simple glove replacement and providing a gas tight seal.
- Size 10 gloves fitted as standard, other sizes available on request.
- Optional three point frame designed to fit the hanging points of the blouse to ensure proper storage.

For any inquiries please contact Respirex North America at:

**Ph:** (281) 350-5001
**Fx:** (281) 350-5191
**Email:** Info@Respirexna.com
• Available in a range of sizes.
• Available in various materials.

**Important Notes**

The blouse will consume between 270 minimum and 340 maximum litres of air per minute. The compressed breathing air source must be of sufficient capacity to deliver the correct airflow.

A wide range of airline couplings can be fitted to the air system, however it is recommended that large bore couplings are used.

Where there is the possibility of particulate contamination occurring in the factory ‘ring main’ from which the blouse draws it's air supply, an in-line HEPA filter can be supplied to prevent particles entering the breathing air system.

Respirex recommend an internal bore size of 9.5mm (3/8") for the air supply hose which should conform to EN270:1994