

# SIMPLAIR A.E. SUIT



RESPIREX™

Petrochemical    Pharmaceutical

Type 2 'non gas tight' suit designed for use with breathable air supplied from an external compressed air source providing positive pressure.

- Air system completely contained within the suit that provides breathing and cooling air to the user
- An audible warning device designed to activate if the airflow drops below the minimum level required to maintain CO<sub>2</sub> below 1%
- Available in a range of chemical resistant fabrics
- An adjustable waist belt supports the air system and is fitted with a foam back pad for increased comfort
- Exhalation valves ensure that the pressure change within the suit does not exceed 400 pascals in one minute
- A durable rigid PVC visor giving a high degree of undistorted vision, with optional removable visor, or a lightweight, totally transparent PVC hood enabling 360° vision
- Optional three-point hanging system which helps prevent distortion during storage
- Zip options fitted across the chest include 36" water tight or double slide nylon zip.
- Zip flap options with the above include: Plain; Velcro fastening; Press stud fastening.
- Cuff options: Locking cuff; Soft cuff; Double elasticated; Elasticated inner and straight outer; 'O' ring.
- Leg options: Double elasticated with stirrup; Single elasticated with stirrup and straight outer; Integral sock; Fixed boot or removable boot.
- Gloves that are compatible with the suit material
- A wide range of approved airline couplings can be fitted to the suit, however it is recommended that large bore couplings are used



Simplair A.E. Suit with Rigid Visor

## Specifications

Required Airflow:                    360 l/m (min) to 440 l/m (max)

## Sizing

	Small	Medium	Large	X-Large	XX-Large
Height (cm)	164-170	170-176	176-182	182-188	188-194
Chest (cm)	88-96	96-104	104-112	112-124	124-136

## Air Supply

The air flowing into the garment must conform to EN 12021:1999 Annex A. In the event that partial contamination may exist in the factory ring main from which the suit draws its air supply, a Respirex in-line filter unit should be fitted to the air system; this will prevent the ingress of contamination down to 5 microns in size from entering the garment.

## Protection



### EN943-1:2002

Worn in conjunction with suitable gloves and safety boots the Simplair air supplied suit is CE marked to the requirements of TYPE 2 "Non Gas Tight" protective clothing

*Specifications, configurations and colours are subject to change without notice.*