SIMPLAIR HALF C BLOUSE

REUSABLE AIR-FED CHEMICAL PROTECTION HALF SUIT

RESPIREX™

Description

Air supplied half-suit in orange neoprene material, fabrics providing upper body protection from liquid chemicals (**Type PB[3] and PB[4]**). The blouse is designed to be worn with matching protective trousers and chemical safety boots.

The Simplair Half C Blouse is **NIOSH** approved to **Type C** Continuous Flow Class, approval No: TC-19C-378.

Not available for sale in the UK or EU.



Applications

Pharma-ceutical

Petro-Chemical

Performance

Type C
Continuous Flow Class
Niosh approval No: TC-19C-378

Air Supply

Required Pressure: **13** to **39 psi**

The breathing air source must provide at least Grade D or better breathable air as specified by C.G.A. commodity specification G-7-1. This respirator must be supplied with clean breathable air at all times.

Product Documentation

The NIOSH certificate and user instructions can all be downloaded from the product page on the Respirex website, links are in the downloads tab.

: www.respirex.com : +44 (0)1737 778600

Features

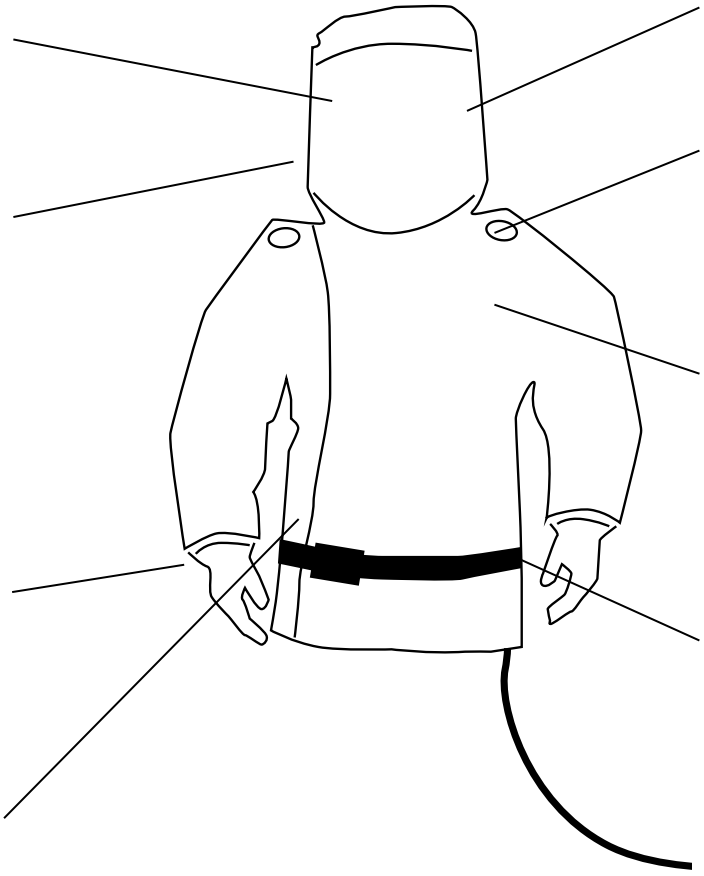
Internal air system providing **breathing and cooling air** to the user

Choice of **durable rigid PVC visor** which minimises visual distortion, with a **dispoible outer visor**

Heavy duty open ended **gas tight zip** fitted from neck to waist

Liquid-tight tight **Locking cuff system** for easy glove changes

Adjustable internal waist belt with a foam back pad comfortably supports the air system



Exhalation valves maintain a comfortable working pressure in the suit

Three-point hanging system helps prevent distortion during storage

Can be **used between 12psi and 39psi** (dependent on air supply hose length)

External waist belt fitted to provide a seal to the bottom of the blouse

The air pigtail PVC yellow 3/8" bore hose terminates in a ¼" **male quick disconnect fitting** (NIOSH Approved: Foster, Hanson, Schrader, Snap-Tite)

Accessories



Reusable Trousers

Chemically-protective reusable high waisted trousers available in a range of materials.



HAZMAX™ Boots

A chemically-protective anti-static safety boot with an integral steel toe cap and mid sole, vulcanized rubber sole for superior slip resistance and kick off lug for hands free removal.



Suit Care Accessories

Cleaning agent, deodoriser, anti-fogging spray and zipper lubricant are available for maintaining your re-usable garment



Three-Point Hanger

A three-point hanger designed to prevent damage to your garment from incorrect storage



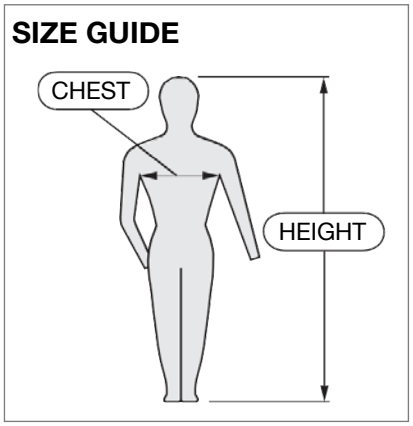
5 Micron Filter

An in-line filter designed to remove dust and particulate contamination down to five microns, with an easy to change filter element.

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Sizing

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



Material Performance

		Neoprene
Abrasion Resistance	EN 530 Method 2	> 2,000
Flex Cracking Resistance	EN ISO 7854 Method B	> 5,000
Tear Resistance	EN ISO 9073-4	> 40 N
Tensile Strength	EN ISO 13934-1	> 500 N
Puncture Resistance	EN 863	> 10 N
Resistance to Ignition	EN 13274-4 Method 3	Pass
Seam Permeation Resistance	EN ISO 6529	> 240 min
Seam Strength	EN ISO 13935-2	> 500 N

Chemical Permeation

	CAS NO.	Neoprene
Hydrochloric acid, 36%	7647-01-0	> 480 mins
Hydrofluoric acid 48%	7664-39-3	> 480 mins
Hydrofluoric acid 73%	7664-39-3	> 240 mins
Nitric acid, 10%	7697-37-2	> 480 mins
Nitric acid, 60% - 70%	7697-37-2	> 480 mins
Phosphoric acid,85%	7664-38-2	> 480 mins
Sodium hydroxide, 40%	1310-73-2	> 480 mins
Sulphuric acid 10% - 50%	7664-93-9	> 480 mins
Sulphuric acid 96%	7664-93-9	> 240 mins

A garments resistance to chemical permeation depends on the material selected. A selection of common industrial chemicals is shown in the table above, but for the full list please check the Respirex permeation guide - visit www.respirex.com or scan the QR code.

RESPIREX™

Living + Breathing Personal Protection

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