

SELLPROTEX BT SUIT

AIR-FED PARTICULATE PROTECTIVE SUIT



RESPIREX™

Description

The Sellprotex BT **two-piece suit** is a single use garment that provides the highest level of **protection against particulate contamination**. The suit is designed for use with breathable air supplied from an external positive pressure compressed air source

Applications



Nuclear



Pharmaceutical



Protection



IL Class 5 | EN 1073-1:1998*
Radioactive Particulate Protective Clothing

**The Sellprotex suit has been assessed by a notified body as satisfying Annex II of the PPE regulation (EU) 2016/425 using technical standard EN 1073-1:1998 Protective clothing against radioactive contamination Part 1: Requirements and test methods for ventilated protective clothing against particulate radioactive contamination*

Air Supply

Required Airflow: **120 l/m** (min) to **300 l/m** (max)

The air flowing into the garment must conform to EN 12021:2014 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.

Product Documentation



The CE Certificate, Declaration of Conformity and user instructions can all be downloaded from the product page on the Respirex website, links are in the downloads tab.

Key Features

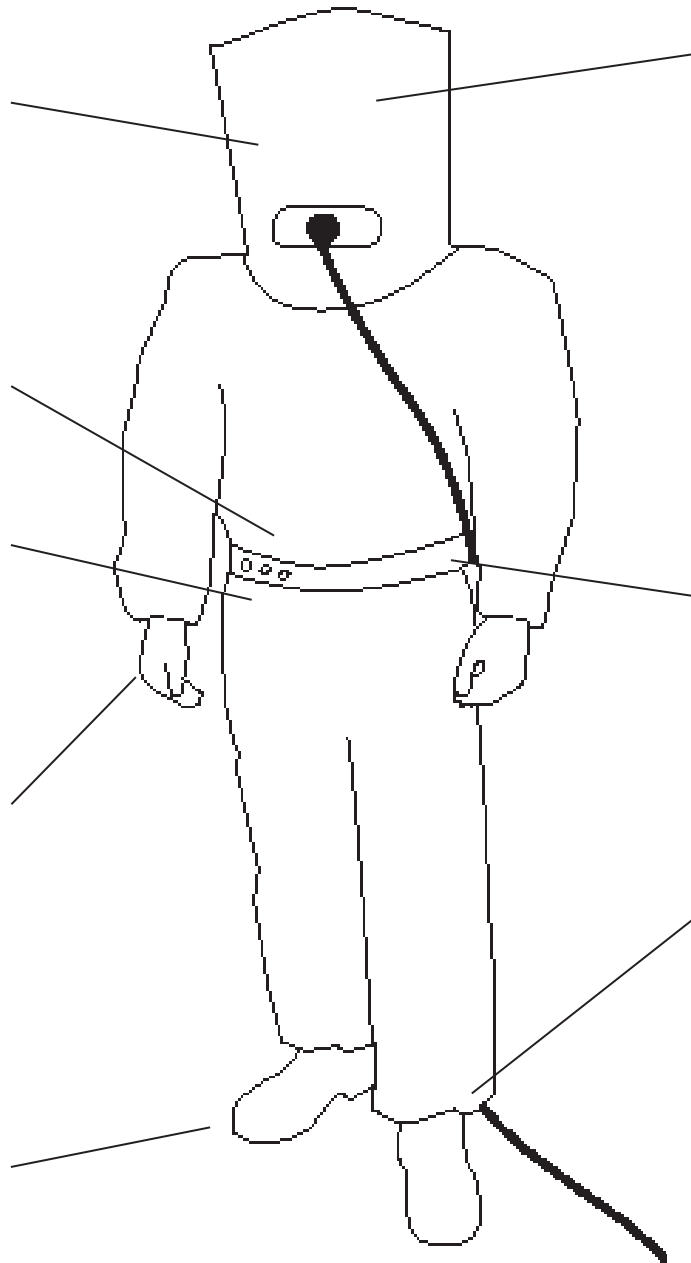
Clear visor with horizontal and vertical fields of vision

Elasticated waist for blouse for further tape sealing after donning

Elasticated waist for trousers, with adjustable braces

Elasticated cuffs

For use with the customers own safety footwear



Two covered exhalation valves maintain a comfortable working pressure inside the suit

Five year shelf-life

360° swivel airline system with adjustable waist belt

Integral sock feet with outer legs or boot foot with reinforced slip resistant sole and ankle ties providing sealed protection or **elasticated ankles**

Accessories



Isotec Boots

A chemically resistant anti-static safety boot that is resistant to heat and flame, conforming to the fire fighter boot standard EN 15090:2012 F3A.



Portable Air Filter Cabinet

A portable breathing air system for use by up to four people designed to remove oil, particles and odors. The multi-stage purification includes a coalescence filter with automatic condensate drain, particle filter and activated carbon filter. Validated according to ISO 12500-1, 12500-2 and 12500-3.

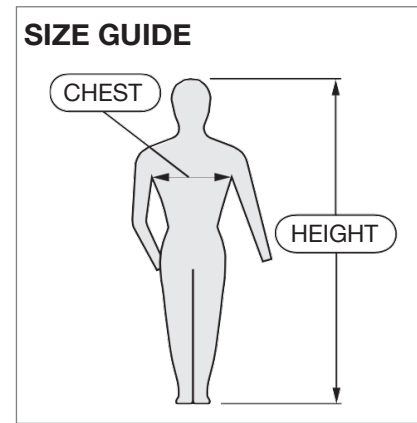


5 Micron Filter

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

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

300 Micron PVC		Result	EN1073-2:2002 Class
Abrasion Resistance	EN 530 Method 2	> 2,000	6
Flex Cracking Resistance	EN ISO 7854 Method B	> 100,000	-
Tear Resistance	EN ISO 9073-4	Machine Direction 24.7 N Cross Direction 31.1 N	3
Tensile Strength	EN ISO 13934-1	Machine Direction 222.8 N Cross Direction 214.1 N	-
Puncture Resistance	EN 863	20 N	2
Resistance to Ignition	EN 13274-4 Method 3	No part ignited or continued to burn on removal from the flame	Pass
Seam Strength	EN ISO 13935-2	292.2 N	4
Resistance to penetration by liquids - Spray Test	EN ISO 17491-4 Method B High-level	< 3x total calibrated stain area	-
Permeation Resistance - Fabric	EN 374-3, 48% HF	Mean breakthrough time 308 min	-
Permeation Resistance - Seams	EN 374-3, 48% HF	Mean breakthrough time 268 min	-



RESPIREX™

Living + Breathing Personal Protection

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