

FRONTAIR 2 SUIT

PVC 300 MICRON



RESPIREX™

Description

The Frontair 2 in blue tinted transparent 300 micron PVC is a single-use air-fed chemical protection suit 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 with a low flow warning alarm.

Applications



Nuclear



Pharmaceutical



Performance



EN1073-1:1998*

Class 5 (50,000) Nominal Protection Factor (NPF)

**The Frontair 2 suit has been assessed by a notified body as satisfying Annex II of the PPE regulation (EU) 2016/425 using technical standard EN1073-1:1998.*

Air Supply

Required Airflow: **265 l/m** (min) to **600 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. There are also videos on donning procedure.

Key Features

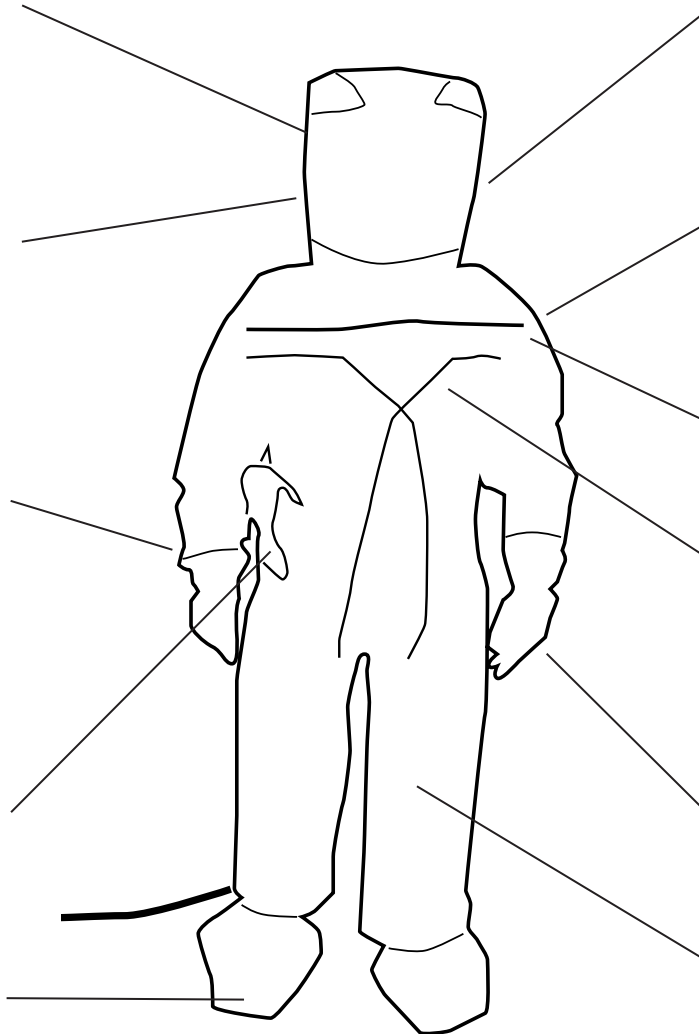
Clear **flexible visor** with wide horizontal and vertical fields of vision

Internal air distribution system provides **breathing and cooling air** to the user

Internal **adjustable waist belt** supports both the airline and the air distribution system, and also holds the suit in the correct wearing position

Variable flow control valve for the air system that can be adjusted by the wearer

Anti-slip feet with ankle ties



Six exhalation valves fitted with covers maintain a comfortable working pressure in the suit

Available as a **front or Rear entry design** with zip across the shoulders and a double zip flap

Tear-off **evacuation strip** across the chest of the suit

Clear **dosimeter window**

Five year shelf-life

Permanently attached **PVC gloves**

Reinforced **knee and elbow pads**

Accessories



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.

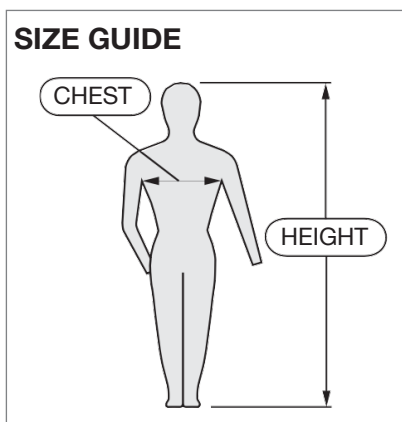


5 Micron Filter

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

Sizing Chart

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



Specifications

Frontair 2 Suit - PVC

Pack Size (max)	8 x 58 x 36 cm
Pack Weight (max)	3.8 kg
Carton Qty	3
Outer Carton Size	84 x 62 x 40 cm
Outer Carton Weight (max)	14.2 kg
Commodity Code	39262000

Specifications are based on an XL sized suit without optional accessories and are for guidance only

Material Properties

Tested in accordance with	Performance requirement	Level of performance	Class
EN 530:1994 Meth 2	Abrasion Resistance	2000 Cycles	6
Method B of ISO 7854:1995	Flex Cracking Resistance	100,000 cycles	6
ISO 9073-4:1989	Trapezoidal Tear resistance	Machine direction 19.9 Newtons Cross direction 13.5 Newtons	2
EN 863:1995	Puncture Resistance	14.5 Newtons	1
EN1146:1997 (single burner test)	Resistance to ignition	No part ignited or continued to burn on removal from the flame	Pass
EN25978:1993	Resistance to blocking	Blocking	1
EN374-3:1994	Permeation Resistance when tested against 48% Hydrofluoric acid**	33 min	2
ISO5082:1982 Annex A2	Seam Strength	163.3 Newtons	4

The samples submitted were tested in accordance with clause 4.2 and clause 4.4.1 of EN 1073-1:1998. Also tested for resistance to permeation by chemicals in accordance with clause B.2.10 of EN943-1:2002.

Anti-static properties are in accordance with EN1149-1:1996

Pretreatment : 5 cycles of cleaning in accordance with clause 5.1.1 of EN 1073-1:1998

Options



Emergency Breather

A mouthpiece in the hood that connects to an external P3 Filter and cover. To use, remove the cover from the P3 Filter and bite down on the mouthpiece and pull it free of its mounting.



Welders Version

A Proban oversuit for use with the Frontair 2 PVC suit.



Fall arrest

Fall arrest facility for use with an internal fall arrest harness with a back D ring fixing and used in conjunction with a retractable type fall arrester



RESPIREX™

Living + Breathing Personal Protection

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