FRONTAIR 2 PARTICULATE SUIT

BLUE LAMINATE

RESPIREX

Nuclear Pharmaceutical

The Frontair 2 one piece suit in Blue Laminate is a single use garment that provides the highest level of protection against particulate contamination with added chemical protection (see the blue laminate permeation data sheet).

- Designed for use with breathable air supplied from an external compressed air source providing positive pressure
- Air dissipation system completely contained within the garment that provides breathing and cooling air to the user
- 360° swivelling airline system with adjustable waist belt
- Internal waist belt supports both the airline and the air distribution system, and also holds the suit in the correct wearing position
- Chemically protective laminated glove welded to the suit material
- Anti-slip feet with ankle ties
- Choice of rear entry model with double zip flap and self adhesive tape, or self dress front entry model with single zip flap and adhesive tape
- Six exhalation valves fitted with covers
- Clear visor with horizontal and vertical fields of vision
- The air system is fitted with a variable flow control valve that can be adjusted by the wearer

Specifications

Required Airflow:	265 l/m (min) to 600 l/m (max)
Sizes:	S, M, L, XL, XXL (see over)

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 ingression of contamination down to 5 microns in size from entering the garment.

Protection

EN1073-1:1998
Class 5 (50,000) Nominal Protection Factor (NPF)


Flow Control Valve


Anti-Slip Foot

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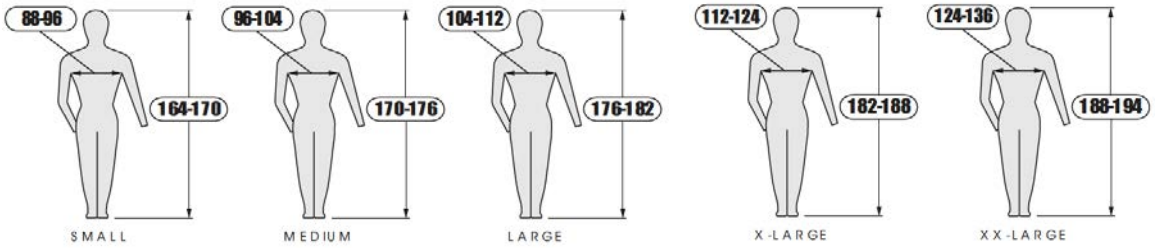
Sizing



Performance Requirements Of Materials

Tested In Accordance With	Performance Requirement	Level Of Performance	Class
EN 530:1994 Meth 2	Abrasion Resistance	2000 cycles	6
EN ISO 7854:1997 Meth B	Flex Cracking Resistance (visual assessment)	1000 cycles - Pass 2500 cycles - Fail	1
EN 863:1995	Puncture Resistance	13.6 Newtons	2
EN ISO 9073-4:1997	Trapezoidal Tear Resistance	Length 76.3 Newtons Width 53.1 Newtons	3
EN ISO 13934-1:1999	Tensile strength	Length 159.1 Newtons Width 92.5 Newtons	2
EN 13274-4:2001 Meth 3 (single burner test)	Resistance to ignition	No part ignited or continued to burn on removal from the flame	Pass
EN 25978:1993	Resistance to blocking	Slight blocking	2
EN 374-3:2003	Permeation Resistance when tested against 96% Sulphuric acid	>480 min	6
EN ISO 13935-2:1999	Seam Strength	166.8 Newtons	4
EN 1149-1:2006	Surface resistance**	Face <3.6 x 108 Ω Reverse <3.4 x 107 Ω	-

Materials Resistance

FINABEL 0.7.C
Chemical Warfare Agents

EN14126:2003

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