GLS 300B SUIT

CHEMPROTEX™ 300

RESPIREX™

Fire Brigades | Nuclear | Petrochemical | Military | Civil Defence | Shipping | Industrial Cleaning

The GLS 300B suit in Chemprotex™ 300 is a single use gas-tight chemical protection suit designed for use with breathing apparatus worn outside the suit, a facemask and filter or airline respirator. The suit combines the benefits of a lightweight high-performance chemical barrier fabric with a gas-tight construction to method 2 of ISO 17491-1. It incorporates permanently attached antistatic chemical gloves, sock feet and a lightweight gas-tight zip.

- One-piece construction
- Integral hood with patented facemask seal providing a type 3 liquid jet seal with an outer chemical barrier fabric. Please see list of approved facemasks.
- Lightweight gas-tight zip fitted across the shoulders in rear of suit, with double external cover flaps with a hook and loop fastener
- Chemically protective antistatic glove permanently attached to the suit material
- Integral socks in Chemprotex™ 300 material with splash-guard outer legs allowing the wearing of customer's own boots. (Boots not included)
- Must be worn with ESD footwear to ensure a conductive path to ground [when used in explosive atmospheres]

Tested for use with the following facemasks:

- MSA™ Auer 3S
- Draeger™ Panorama Nova

Please check www.respirexinternational.com for details of the latest tested facemasks.

Accessories

- Hazmax™ ESD Boots
- Hazbag

Testing & Certification:

TYPE 3, EN14605:2005+A1:2009
Liquid-Tight Chemical Protective Clothing

TYPE 4, EN14605:2005+A1:2009
Spray-Tight Chemical Protective Clothing

TYPE 5, EN13982-1:2004+A1:2010
Particulate Protective Clothing

TYPE 6, EN13034:2005+A1:2009
Limited Spray-Tight Chemical Protective Clothing

ATEX Tested for use in explosive environments:

Dust Ex atmospheres: **Zones 20, 21 and 22**

Gas Ex atmospheres: **Zones 0, 1 and 2**

Tested in accordance with EN IEC 60079-32-2: (2015) and CEN/CLC/TR 16832:2015

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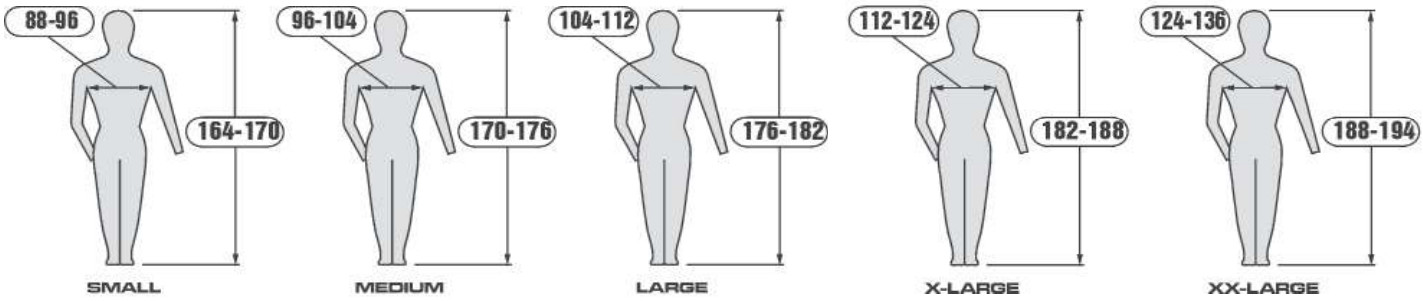
CHEMPROTEX™ 300

Sizing



Physical Properties of Material

Tested In Accordance With	Performance Requirement	Level Of Performance	Class
EN 530:1994 Method 2	Abrasion Resistance	2,000 cycles	6
EN ISO 7854:1997 Method B	Flex Cracking Resistance (visual assessment)	1,000 cycles - Pass 2,500 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 Method 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 ISO 13935-2:1999	Seam Strength	166.8 Newtons	4
EN 1149-1:2006	Surface resistance**	Face $<3.6 \times 10^8$ Ω Reverse $<3.4 \times 10^7$ Ω	-

Whole Suit Performance

Tested In Accordance With	Performance Requirement	Level Of Performance	Class
ISO 17491-1:2012 Method 1	Gas-Tight Pressure Test	Max pressure change <200 pascals (starting at 1,000) over 4 mins	Pass
ISO 17491-12012 Method 2 (rigorous procedure)	Gas-Tight Pressure Test	Max pressure change <300 pascals (starting at 1,650 pascals) over 6 mins	Pass

Tested In Accordance With	Performance Requirement	Class
EN ISO 17491-3:2008	Type 3 Liquid jet test	Pass
EN ISO 17491-4:2008 Method B	Type 4 High level liquid spray test	Pass
EN ISO 13982-2:2004	Type 5 Inward leakage test	Pass
EN ISO 17491-4:2008 Method A	Type 6 Low level liquid spray test	Pass

Permeation

For details of the chemical permeation performance of Chemprotex™ 300 and its performance against chemical warfare and infective agents, please refer to the separate Chemprotex™ 300 brochure.

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