

GLS 300C SUIT

CHEMPROTEX™ 300



RESPIREX™

Fire Brigades

Nuclear

Petrochemical

Military

Civil Defence

Shipping

Industrial Cleaning

The GLS 300C suit in Chemprotex™ 300 is a single use air-fed gas-tight chemical protection suit for use with breathable air supplied from an external compressed air source providing positive pressure. 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.

- For use with Bartels Rieger two piece air control valve (ref. 941722), supplied separately
- Semi-rigid laminated visor
- Lightweight gas-tight zip fitted across the chest covered by double external storm flaps with 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 Ex atmospheres]
- The air distribution system in the hood and air permeable collar provide cooling air through the suit, making the wearer more comfortable and better able to focus on tasks
- The hood design provides high protection without the need for a tight-fitting face piece, which means:
 - Many wearers feel less constricted
 - Can be used by wearers with facial hair
 - Training needs are reduced
 - Face-fit testing is not required

Accessories

- Hazmax™ ESD Boots
- Hazbag
- Bartels + Rieger air control valve

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 1 and 2

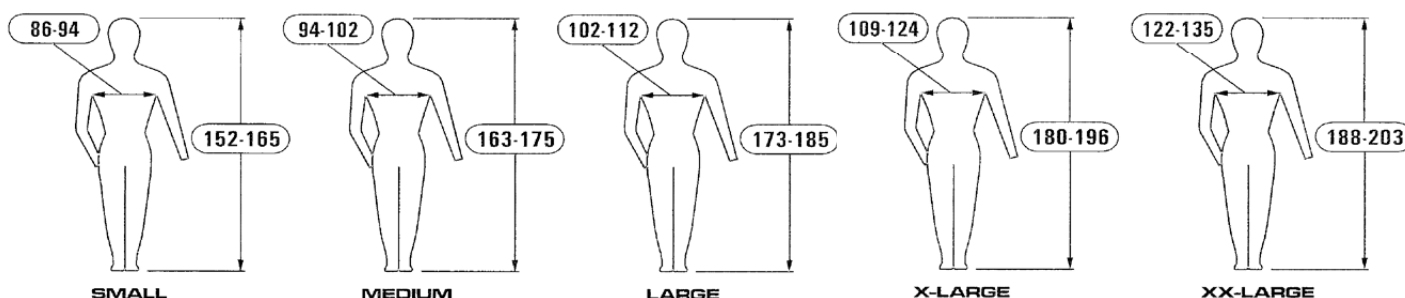
Tested in accordance with EN IEC 60079-32-2: (2015) and CEN/CLC/TR 16832:2015



GLS 300C SUIT

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 $3.6 \times 10^8 \Omega$ Reverse $3.4 \times 10^7 \Omega$	-

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 <math><200</math> pascals (starting at 1,000) over 4 mins	Pass
ISO 17491-12012 Method 2 (rigorous procedure)	Gas-Tight Pressure Test	Max pressure change <math><300</math> 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.