LIMITED LIFE GAS TIGHT SUIT

TYCHEM® TK.

RESPIREX™

Water Companies | Shipping | Nuclear | Health Authorities | Petrochemical | Fire Brigades | Civil Resilience | Pharmaceutical

This fully encapsulating Type 1A - ET limited life gas tight suit is designed to protect the emergency responder against toxic, corrosive gases, liquids and solid chemicals.

The suit is manufactured in DuPont™ Tychem® TK, a high performance, seven layer, nonwoven, chemical barrier fabric that is also light in weight.

- Fully encapsulating design to allow breathing apparatus to be worn inside the suit
- Heavy duty 122cm (48”) long gas tight zip, fitted to the right hand side of the suit - flap with a Velcro closure fitted to cover the teeth of the zip
- Adjustable internal support belt and bat-wing sleeves for optimal wearer comfort
- Flexible, multi-laminated, anti-mist visor giving clear undistorted vision
- Seams welded and double taped
- Dual glove system consisting of a chemically protective laminated inner glove bonded to an outer neoprene glove for mechanical protection.
- Gloves fitted by means of Respirex locking cuff
- Integral socks with outer splash guards or Hazmax™ FPA safety boots - Exclusive to Respirex, these boots are highly chemically resistant and are CE marked to EN ISO 20345:2004 and EN345-2:1996
- Exhalation valves ensure that the pressure change within the suit does not exceed 400 pascals in one minute
- Tested to EN464 prior to despatch for leak-tightness
- Pressure test required annually from year five or after each use

** Maintenance free for first five years unless used (in which case the suit must be tested after use and then pressure tested annually)*

Specifications

Sizes S, M, L, XL, XXL (see over)

Accessories

- Air pass-through
- Attachments for lifeline, torch, anchor point, Diktron and Firefly DSU’s
- Hazmax™ boots
- Hazbag decontamination bag
- Training Suit

Protection

TYPE 1A
EN943-2:2002(ET)
Material tested for the 15 chemicals listed in EN943-2:2002(ET)

Material Resistance

EN14126:2003
Protective clothing against infective agents

Locking Cuff

Integral Sock

DuPont™ and Tychem® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company.

Specifications, configurations and colours are subject to change without notice.

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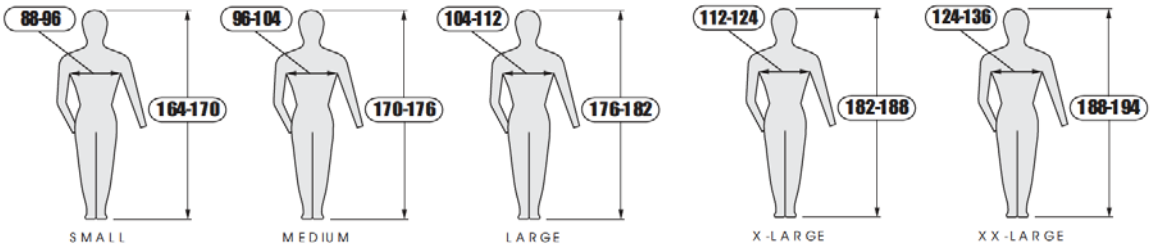
TYCHEM® TK.

Sizing



Material Performance

Tested In Accordance With	Performance Requirement	Typical Performance level	Performance Class Required For EN 943-2: 2002	Performance Class Achieved
EN 530:1994 Method 2 (inc. pressure drop)	Abrasion Resistance	> 2,000 Cycles	4	6
EN ISO 7854:1997 Method B (inc. pressure drop)	Flex Cracking Resistance	> 1,000 cycles	1	1
EN ISO 9073-4:1997	Trapezoidal Tear Resistance	Machine Direction 164.4 N Cross Direction 215.3 N	3	5
EN ISO 13934-1:1999	Tensile strength	Machine Direction 519.6 N Cross Direction 482.9 N	4	4
EN 863:1995	Puncture Resistance	49 N	2	2
EN ISO 6529:2001	Permeation Resistance when tested against 96% Sulphuric acid*	>480 min	1	6
EN 13274-4:2001 Meth 3	Resistance to ignition	No part ignited or continued to burn on removal from the flame	1	1
EN 13274-4:2001 Meth 3 (inc. pressure drop)	Resistance to flame	No part ignited or continued to burn on removal from the flame	1	1
ISO 5082:1982 Annex A2	Seam Strength	607 N	5	5

For Permeation Data please refer to the separate Respirex Materials Permeation Guide and the DuPont™ Tychem® TK material datasheet.

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