AlphaTec®
ADVANCED CHEMICAL PROTECTION

VPS Type T

Versatile, multi-layer, re-usable chemical barrier technology

Previously known as: TRELLCHEM® VPS Type T

Abrasion- and flame-resistant, re-useable protective suit with chemical barrier technology.

- **Genuine versatility:** The AlphaTec™ VPS Type T is a flame-retardant, versatile gas-tight suit that offers excellent chemical resistance and durability to both hazmat teams and industrial users
- **Heightened protection:** Tested and approved in accordance to EN 943-1 and EN 943-2 standards, this full chemical protection suit provides excellent defense against a wide variety of chemicals
- **Advanced ergonomics:** This full-body protection suit is designed with a non-encapsulating design with a face seal and without hump (Type T) breathing apparatus that ensure users feel unrestricted while working in restrained environments

Industries

- Food Processing
- Chemical
- Industrial
- Fire and Rescue
- Defense
- Law Enforcement
- Military
- Energy
- Shipping

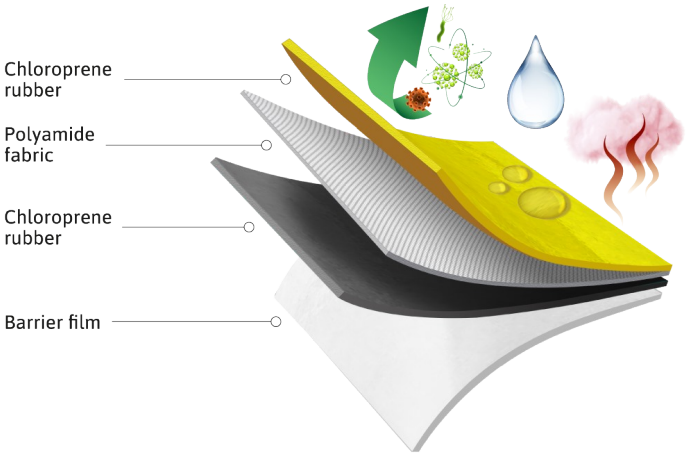
Applications

- Maintenance of plant and machines
- Plant Emergencies
- Accidental release of toxic gases
- Biohazard response
- Unexpected leakages spills or other releases
- Tank Cleaning
- CBRN Emergencies
- Chemical leaks
- Emergency Response
- Hazmat response

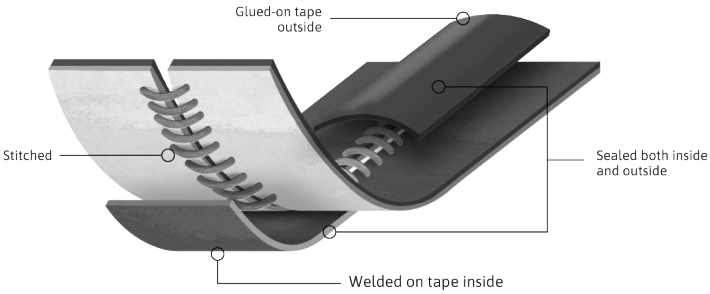
KEY FEATURES & BENEFITS

- **Versatile gas-tight suit:** Chemical-resistant and durable
- **EN 943-1 and EN 943-2 approved:** Protects from solid, liquid and gaseous chemicals
- **Non-encapsulating design:** Fitting for work in limited spaces

Material Diagram



Seam Diagram



Performance Standards

Product Information

Product Information	
Available Sizes	2XS, XS, S, M, L, XL, 2XL, 3XL
Color	Yellow, Black
Packaging Overview	Individually Packed
Product Material	Outer: Polyamide fabric coated with chloroprene rubber; Inner: Chloroprene rubber and a multilayer barrier laminate
Product Reference	VPS Type T
Standards Overview	• EN 943-1:2015 + A1:2019 • EN 943-2:2019 • EN 1073-2:2002 (radioactive particle protection) • EN 14126:2003 (infective agent protection) • SOLAS
Seam Type	Stitched and covered with chloroprene rubber tape on the outside and a barrier laminate tape on the inside
Shelf Life	7 years

Suit components & accessories

Suit Components and Accessories	
Design Features	Non-encapsulating design with face seal and without hump (type T), breathing apparatus worn outside the suit.
Visor And Face Seal	Anatomically designed rubber face seal.
Gloves And Attachments	2-part system with AlphaTec® 02-100 barrier inner glove and AlphaTec® 38-560 Butyl rubber glove. The gloves are attached with the AlphaTec® Bayonet glove ring system, which offers quick and simple glove exchange.
Footwear And Attachments	Sewn-in socks/booties made of the suit material. Alternatively attached black nitrile rubber safety boots with European approval as Firemen's boots. The boots are fixed with an ergonomically designed ring attachment, for simplified boot exchange.
Zipper	AlphaTec® HCR zipper, which includes a barrier film for increased chemical resistance. The zipper is closing downwards, for added safety, and is protected by a flap/splash guard.
Ventilation	• A ventilation system is included as standard. For the safety of the wearer, it provides a constant level of overpressure inside the suit;• The AlphaTec® Regulating valve has 3 ventilation rates (2, 30 and 100 l/min) plus zero/off position;• CEJN 221 male coupling for connection to the SCBA (requires separate connection hose);• One AlphaTec® Exhaust valve on the chest
Optional Features And Accessories	• Waist belt, internal;• D-ring for holding small measuring instruments & tools;• Customized marking, e.g. digits, letters, logos;• AlphaTec® 58-800 Overglove for improved cut & puncture resistance;• AlphaTec® SCBA Cover;• Other accessories are available upon request
Included With Each Delivery	• 1 pce AlphaTec® Mini Hood for protection against inward leakage between mask and face seal, in case of jet spray from behind;• 1 pair of comfort inner gloves;• 2 pcs extra locking pins for the Bayonet glove ring system;• 1 pce Molycote lubrication for the O-rings in the Bayonet glove ring system;• 1 pce grease stick for lubrication of the zipper;• 1 pair of comfort silicone oversocks (only for suits with sewn-in socks);• 1 pce coat hanger;• 1 pce AlphaTec® Storage bag

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