

Previously known as: TRELLCHEM® LIGHT FREEFLOW

Reusable gas-tight chemical-protective suit, guarding against a wide range of hazards.

- **Elevated comfort:** The AlphaTec™ LIGHT FREEFLOW is a reusable, air-fed, gas-tight chemical-protective suit, designed with an external airline that boost comfort and removes the need for SCBA
- **Assured protection:** Made from flexible, comfortable polyamide fabric with PVC side coating, this protective suit protects wearers from a wide range of industrial chemicals
- **Enhanced features:** Beyond chemical resistance, this AlphaTec™ protective suit is also highly user-friendly, with a bayonet glove ring system enabling quick glove change and various glove combinations



Industries

- Life Sciences
- Industrial

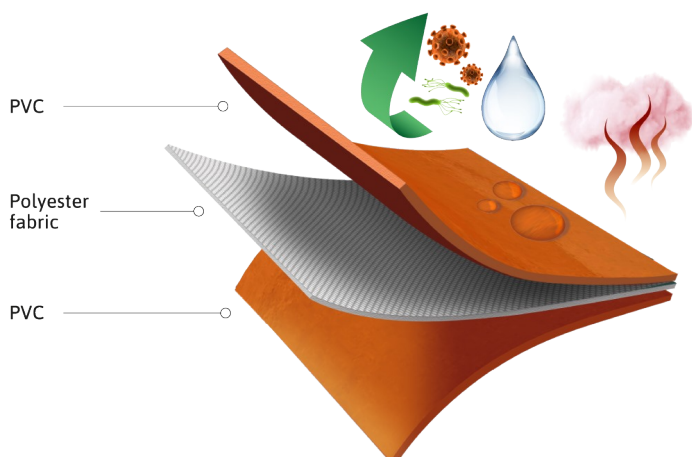
Applications

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

KEY FEATURES & BENEFITS

- ◊ **External airline:** Comfortable, SCBA-free personal protection
- ◊ **PVC-coated polyamide fabric:** Flexibility and strong chemical resistance
- ◊ **Bayonet glove ring system:** Quick and easy glove change with various possible combinations

Material Diagram



Seam Diagram



Performance Standards



Product Information

Product Information	
Available Sizes	2XS, XS, S, M, L, XL, 2XL, 3XL
Color	Orange
Packaging Overview	Individually Packed
Product Material	Strong and flexible polyester fabric coated on each side with PVC.
Product Reference	LIGHT FREEFLOW
Standards Overview	• EN 943-1:2015 + A1:2019 • EN 1073-1:2016 & A1:2018 (radioactive particle protection) • EN 14126:2003 (infective agent protection) • EN 1149-5:2008 (antistatic suit material)
Seam Type	Stitched butt seams covered on the outside with a welded-on PVC tape.
Shelf Life	7 years

Suit components & accessories

Suit Components and Accessories	
Design Features	• Encapsulating design type CV, without hump • For use with external air supply via airline (no SCBA is to be used)
Visor And Face Seal	• Visor type CV;• Made from a rigid 2 mm impact and chemical resistant PVC;
Gloves And Attachments	AlphaTec® 08-354 Neoprene (chloroprene) rubber gloves in combination with rubber cuffs for added safety. The gloves are attached with the AlphaTec® Bayonet glove ring system, which offers quick and simple glove exchange.
Footwear And Attachments	Sewn-in socks made of the suit material. Alternatively attached PVC safety boots approved according to EN 20345. The boots are fixed with an ergonomically designed ring attachment, for simplified boot exchange.
Zipper	Heavy duty gas-tight zipper coated with chloroprene rubber. The zipper closes downwards, for added safety, and is protected by a flap/splash guard.
Ventilation	A swiveling airline passthrough/Freeflow valve is placed on the side of the suit. The air is distributed in front of the visor via inside polyurethane (PU) tubing and two diffusers/silencers. Excess air is ventilated through four AlphaTec® Exhaust valves in the back of the hood.
Optional Features And Accessories	• Anti-fog lens;• Tear-off lens;• AlphaTec® Hands-free Visor Light system;• Internal waist belt & leg shortener for size adjustment;• Inside pockets & loops for radio, PTT etc.;• D-ring for holding small measuring instruments & tools;• Customized marking, e.g. digits, letters, logos;• AlphaTec® 58-800 Overglove for improved cut & puncture resistance;• Other accessories are available upon request
Included With Each Delivery	• 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

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