

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
- Chemical
- Industrial

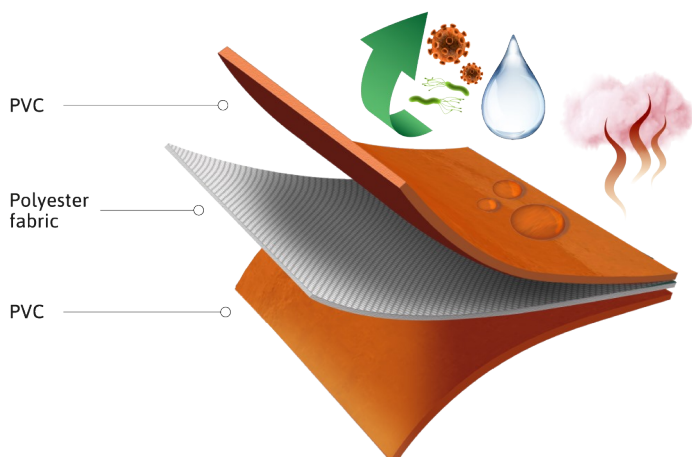
## Applications

- Maintenance of plant and heavy equipment
- 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

- **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                                                                                                                                                                                                                                                      |
| Country Of Origin   | Lithuania                                                                                                                                                                                                                                                   |
| Packaging Overview  | Individually Packed                                                                                                                                                                                                                                         |
| Product Material    | Strong and flexible polyester fabric coated on each side with PVC.                                                                                                                                                                                          |
| Product Reference   | LIGHT FREEFLOW                                                                                                                                                                                                                                              |
| Standards Overview  | <ul style="list-style-type: none"><li>• EN 943-1:2015 + A1:2019</li><li>• EN 1073-1:2016 &amp; A1:2018 (radioactive particle protection)</li><li>• EN 14126:2003 (infective agent protection)</li><li>• EN 1149-5:2008 (antistatic suit material)</li></ul> |
| 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                   | <p>• Encapsulating design type CV, without hump</p> <p>• For use with external air supply via airline (no SCBA is to be used)</p>                                                                                                                                                                                                                                                                                       |
| 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/booties 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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