

# AlphaTec®

# LIGHT TYPE FREEFLOW

Formerly known as TRELLECHEM® LIGHT FREEFLOW

## Air-fed gas-tight protection intended for lighter industrial work

- Designed for use with an external air source, which allows longer working hours and provides improved wearer comfort
- Strong yet soft and durable material
- Ideal against alkalis, low concentration acids and cooling media, e.g. ammonia
- Intended for low hazard environments



The air is distributed through two diffusers/silencers, placed at the top of the hood to prevent fogging of the visor



Bayonet glove ring system for quick and simple glove exchange



Soft and flexible material, which at the same time offers strength and durability



Attached boots or sewn-in socks in the suit material



Gas-tight Protection



Air-fed

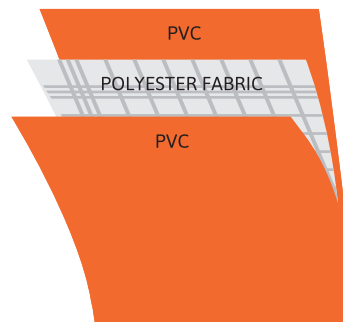


Re-usable

### Applications

- Chemical Handling
- Industrial and Tank Cleaning
- Petrochemicals

### Material Construction



## PRODUCT INFORMATION

	AlphaTec® LIGHT TYPE FREEFLOW
<b>Design</b>	Encapsulating design without hump, providing a slimmer fit than other encapsulating suit designs. For use with external air supply via airline (no SCBA is to be used).
<b>Garment material</b>	Strong and flexible polyester fabric coated on each side with PVC.
<b>Seams</b>	Stitched butt seams covered on the outside with a welded-on PVC tape.
<b>Visor</b>	<ul style="list-style-type: none"> <li>• Type CV</li> <li>• Made from a rigid 2 mm impact and chemical resistant PVC</li> </ul>
<b>Gloves &amp; Attachments</b>	AlphaTec® #08-354 Neoprene (chloroprene) rubber gloves in combination with rubber cuffs for added safety. Other glove options are available. The gloves are attached with a Bayonet glove ring system, which offers quick and simple glove exchange.
<b>Footwear &amp; Attachments</b>	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.
<b>Zipper</b>	Heavy duty gas-tight zipper coated with chloroprene rubber. The zipper is closing downwards, for added safety, and is protected by a flap/splash guard.
<b>Freeflow Valve</b>	A swiveling airline passthrough made from Acetal (POM) plastic and stainless steel. Placed on the side of the suit. Equipped with a warning whistle which sounds if the pressure drops below 3 bars. Fitted with an adjustable belt and foam padding for enhanced comfort.
<b>Air Distribution</b>	The air is distributed in front of the visor via inside polyurethane (PU) tubing and two diffusers/silencers. Excess air is ventilated through four overpressure valves in the back of the hood.
<b>Airline Hose &amp; Connection</b>	0.5 m reinforced rubber breathing hose with a standard EURO connection type CEJN 342 male (nipple).
<b>Air Supply Source</b>	The air supply system, mobile or stationary, shall have a working pressure of minimum 3 bars and a maximum of 6 bars. The delivered air shall fulfil the requirements for breathing air according to EN 12021. <ul style="list-style-type: none"> <li>• Minimum design air flow: 220 litres/min</li> <li>• Maximum design air flow: 475 litres/min</li> </ul>
<b>Colour</b>	Orange
<b>Sizes</b>	XXS - XXXL
<b>Included with each delivery</b>	<ul style="list-style-type: none"> <li>• 1 pair of cotton comfort inner gloves</li> <li>• 2 pcs extra locking pins for the Bayonet glove ring system</li> <li>• 1 pce Molycote lubrication for the O-rings in the Bayonet glove ring system</li> <li>• 1 pce grease stick for lubrication of the zipper</li> <li>• 1 pair of comfort silicone oversocks (only for suits with sewn-in socks)</li> <li>• 1 pce coat hanger</li> </ul>
<b>Optional accessories</b>	<ul style="list-style-type: none"> <li>• Anti-fog lens</li> <li>• Tear-off lens</li> <li>• Hands-free visor light system</li> <li>• Internal waist belt &amp; leg shortener for size adjustment</li> <li>• Inside pockets &amp; loops for radio, PTT etc.</li> <li>• D-ring for holding small measuring instruments &amp; tools</li> <li>• Customised marking, e.g. digits, letters, logos</li> <li>• AlphaTec® #58-800 Overglove for improved cut &amp; puncture resistance</li> <li>• Other accessories are available upon request</li> </ul>
<b>Standards &amp; Approvals</b>	<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>

### For additional information, visit us at [protective.ansell.com](http://protective.ansell.com) or contact us at:

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### Performance Standards



**EN 1149-5:**  
This applies  
only to the  
suit material.