AlphaTec®

SUPER
TYPE FREEFLOW

Formerly known as TRELLCHEM® SUPER FREEFLOW

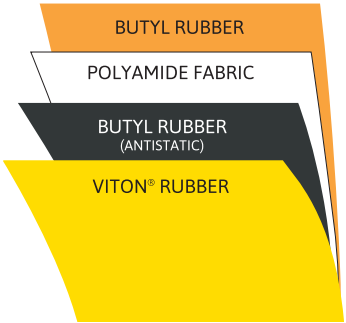
Air-fed gas-tight protection allowing extended work duration

- **Designed for use with an external air source, which allows longer working hours and provides improved wearer comfort**
- **Combination of antistatic butyl rubber with a Viton® top coating for outstanding resistance to attack from a wide range of chemicals**
- **Exceptional protection against alkalis, strong acids (e.g. hydrofluoric acid), petrochemicals, chlorinated solvents, aromatics and oils**
- **Maximises strength and durability while maintaining softness and flexibility, ensuring increased wearer comfort**
- **Approved for work in explosive atmospheres**

Applications

- Chemical Handling
- Decontamination
- Industrial and Tank Cleaning
- Petrochemicals

Material Construction



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AlphaTec® SUPER TYPE FREEFLOW

PRODUCT INFORMATION

	AlphaTec® SUPER TYPE FREEFLOW
Design	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)
Garment material	Outer: Butyl rubber and a top layer of Viton® rubber coated on polyamide fabric Inner: Butyl rubber
Seams	Stitched and sealed with a glued-on tape on both inside and outside.
Visor	• Type CV • Made from a rigid 2 mm impact and chemical resistant PVC • Covered by a replaceable, antistatic Tear-off/ATEX lens
Gloves & Attachments	AlphaTec® #38-628 Viton®/Butyl 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 simprle glove exchange.
Footwear & Attachments	Sewn-in sock/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.
Freeflow Valve	A swiveling airline passthrough,made from Acetal (POM) plastic and stainless steel. Placed on the right hand 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.
Air Distribution	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.
Airline Hose & Connection	0.5 m reinforced rubber breathing hose with a standard EURO connection type CEJN 342 male (nipple).
Air Supply Source	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. • Minimum design air flow: 220 litres/min • Maximum design air flow: 475 litres/min
Colour	Yellow with orange inside.
Sizes	XXS - XXXL
Included with each delivery	• 1 pair of cotton 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
Optional accessories	• Anti-fog lens • 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 • Customised marking, e.g. digits, letters, logos • AlphaTec® #58-800 Overglove for improved cut & puncture resistance • Other accessories are available upon request
Standards & Approvals	• 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) • Approved for use in ATEX zones 0, 1, 2/20, 21, 22 and chemical group IIA, IIB, IIC

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Performance Standards

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

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