

## EVO Type CV/VP1

Unique, multi-layer, flame retardant, re-usable chemical barrier technology, Type 1 / Level A protection

Previously known as: TRELLCHEM® EVO Type CV / Type VP1

### Durable flame-retardant protective suit, guarding against chemicals and various hazards.

- **Advanced protection:** The AlphaTec® EVO Type CV/VP1 protective suit meets NFPA 1991(1990) standards, such including optional flash fire and liquefied gas protection requirements
- **Optimized durability:** Its patented multi-layer fabric, featuring butyl rubber, Viton™ and aramid ensures excellent chemical resistance and outstanding permeation times\*, as well as heightened durability
- **Specialized defenses:** This abrasion-resistant full protective suit has also been PyroMan™ tested to limit burn injuries and is ATEX approved for use in explosive atmospheres
- **Genuine versatility:** It is also designed to fit on top of all major SCBA brands and bottle sizes, for truly practical, multipurpose, specialist personal protective equipment

\*EN Type 1/EPA Level A protection



## Industries

- Food Processing
- Life Sciences
- Chemical
- Industrial
- Law Enforcement
- Fire and Rescue
- Defense
- Military
- Shipping
- Oil and gas

## Applications

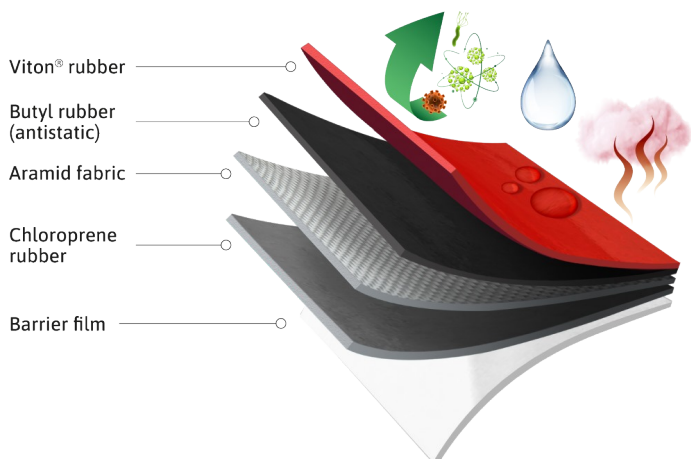
- CBRN Emergencies
- Chemical leaks
- Emergency Response
- Hazmat response
- Tank Cleaning
- Accidental release of toxic gases
- Biohazard response
- Plant Emergencies
- Maintenance of plant and machines
- Unexpected leakages spills or other releases
- Shipping

## KEY FEATURES & BENEFITS

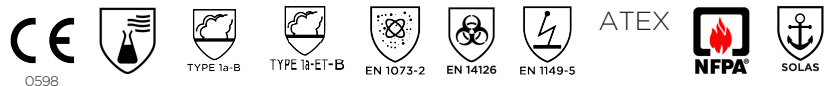
- **NFPA 1991(1990) compliance:** Chemical Flash Fire and Liquefied Gas protection
- **Patented multi-layer fabric:** Chemical resistance, superb permeation times\*
- **ATEX and PyroMan™ tested:** For explosive atmosphere and burn protection

\*permeation tested for 24 hours

## Material Diagram



## Performance Standards



## Product Information

Product Information	
Available Sizes	2XS, XS, S, M, L, XL, 2XL, 3XL
Color	Red, Olive Green
Country Of Origin	Lithuania
Packaging Overview	Individually packaged
Product Material	Outer aramid fabric with Viton <sup>®</sup> /butyl rubber. Inner chloroprene rubber and a multilayer barrier laminate
Product Reference	EVO Type CV/VP1
Standards Overview	<ul style="list-style-type: none"> <li>• NFPA 1991 (NFPA 1990) incl. the optional Chemical Flash Fire &amp; Liquefied Gas protection requirements*</li> <li>• EN 943-1:2015 + A1:2019</li> <li>• EN 943-2:2019</li> <li>• EN 1073-2:2002 (radioactive particle protection)</li> <li>• EN 14126:2003 (infective agent protection)</li> <li>• EN 1149-5:2008 (antistatic suit material)</li> <li>• Approved for use in ATEX zones 0, 1, 2/20, 21, 22 and chemical group IIA, IIB, IIC</li> <li>• SOLAS</li> </ul> <p>* Only encapsulating suits with sewn-in socks/booties.</p>
Seam Type	Stitched and covered with Viton <sup>®</sup> rubber tape on the outside and a barrier laminate tape on the inside
Shelf Life	10 years

Suit components & accessories

Suit Components and Accessories	
Design Features	<p><b>Type CV:</b> Encapsulating design with hump and visor, breathing apparatus worn inside the suit.</p> <p><b>Type VPI:</b> Encapsulating design with hump and larger visor, breathing apparatus worn inside the suit.</p> <p><b>Seams:</b> Stitched with aramid thread for superior strength and durability. Covered with a Viton rubber tape on the outside and a welded-on barrier laminate tape on the inside.</p>
Visor And Face Seal	<p>• Visor made from rigid 2 mm impact and chemical resistant PVC • Comes in two optional sizes; CV or the larger VPI • Covered by a replaceable, antistatic Tear-off/ATEX lens;</p>
Gloves And Attachments	<p>2-part system with AlphaTec® 02-100 barrier inner glove and AlphaTec® 38-628 Viton™/Butyl rubber glove. The gloves are attached with the AlphaTec® Bayonet glove ring system, which offers quick and simple glove exchange. NFPA 1991(1990) certified suits have a 3-part glove system with the above plus the AlphaTec® 58-800 Overglove for additional cut protection.</p>
Footwear And Attachments	<p>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. NFPA 1991(1990) certified suits have sewn-in socks.</p>
Zipper	<p>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 splash guard/flap.</p>
Ventilation	<p>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). Two AlphaTec® Exhaust valves in the back of the hood.</p>
Optional Features And Accessories	<p>• AlphaTec® Combined Regulating valve &amp; Airline passthrough • Anti-fog lens • AlphaTec® Hands-free Visor Light system • Internal waist belt &amp; leg shortener for size adjustment • Manometer holder and inside pockets &amp; loops for radio, PTT etc. • D-ring for holding small measuring instruments &amp; tools • Customized marking, e.g. digits, letters, logos • AlphaTec® 58-800 Overglove for improved cut &amp; puncture resistance • Other accessories are available upon request</p>
Included With Each Delivery	<p>• 1 pce inside hump protective foam • 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</p>

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