

### Durable air-fed protective suit providing biological, chemical and respiratory protection.

- **Specialized protection:** The AlphaTec BSL4 gas-tight protective suit is specially designed for Level 4 Biological Safety Laboratories, providing protection against infectious agents like bacteria, viruses and fungi, as well as radioactive particles. Additionally, it offers protection against chemicals in liquid, aerosol and solid forms.
- **Added comfort:** Designed for use with an external air source, this gas-tight protective suits allow for longer working hours and improved wearer comfort
- **High durability:** Made of strong polyester fabric, coated with PVC on both sides, AlphaTec BSL4 gas-tight suits are soft and durable



## Industries

- Biosafety Labs Levels 1-4
- Centers for Disease Control and Prevention

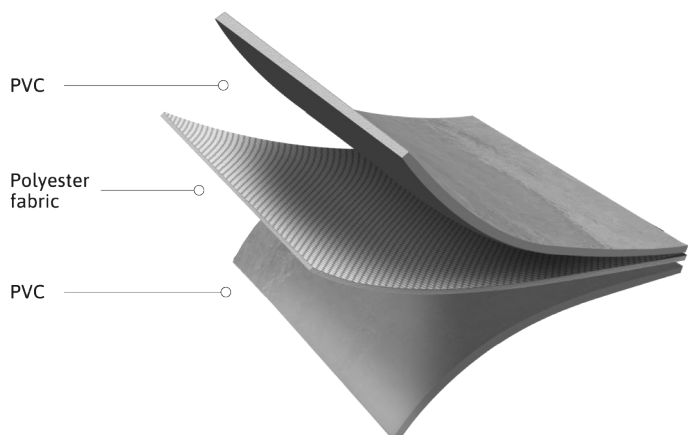
## Applications

- Clinical Research
- Medical Research
- Biohazard response

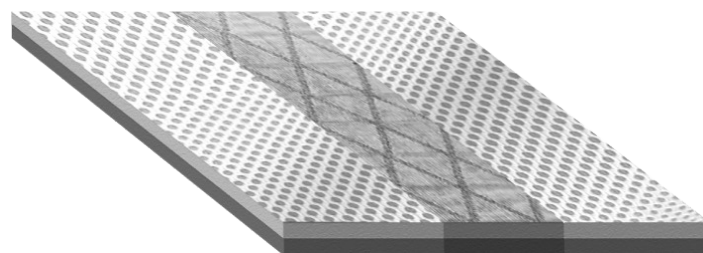
## KEY FEATURES & BENEFITS

- **Durable protective suit:** Designed and developed for Level 4 Biological Safety Labs
- **For use with an external air source:** Adds enhanced wearer comfort
- **Made of strong material:** Durable yet soft protective suit

## Material Diagram



## Seam Diagram



## Performance Standards



## Product Information

| Product Information |                                                                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Sizes     | S, M, L, XL, 2XL                                                                                                                                                                                                                                                                                                    |
| Color               | Orange                                                                                                                                                                                                                                                                                                              |
| Country Of Origin   | Lithuania                                                                                                                                                                                                                                                                                                           |
| Packaging Overview  | Individually packaged                                                                                                                                                                                                                                                                                               |
| Product Material    | Strong and flexible polyester fabric, coated with PVC on both sides.                                                                                                                                                                                                                                                |
| Product Reference   | BSL4                                                                                                                                                                                                                                                                                                                |
| Standards Overview  | <ul style="list-style-type: none"><li>• EN 14126:2003 (infective agent protection)</li><li>• EN 14605:2005 + A1:2009, type 3 (liquid-tight)</li><li>• Antistatic suit material (according to EN 1149-5:2018)</li><li>• The suit has been tested for inward leakage acc. EN 1073-1 + A1:2018, TIL class 5.</li></ul> |
| Seam Type           | Double welded                                                                                                                                                                                                                                                                                                       |
| Shelf Life          | 7 years                                                                                                                                                                                                                                                                                                             |

Suit components & accessories

| Suit Components and Accessories |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design Features                 | Encapsulating, air-fed design for use with external air supply via airline. Fitted with a D-ring on top of the hood, to be able to hang the suit on a hook.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Visor And Face Seal             | Extra large, wide vision visor (type VPI), made from a soft 1 mm transparent PVC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gloves And Attachments          | Gloves are not fitted upon delivery, but the suit should be used with biological and chemical protective gloves. The suit is fitted with a rigid plastic ring (small ring for size S-M / large ring for size L-2XL), over which the glove is pulled and then secured with waterproof tape or a rubber band.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Footwear And Attachments        | Welded-in socks (without boot flaps) made from 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 PVC. Placed on the front left-hand side of the suit to facilitate donning and doffing. Closes downwards to give the wearer the possibility to check zipper position (closed or open). D-rings are fitted to either end of the zipper, for better grip and easy opening and closing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Ventilation                     | <ul style="list-style-type: none"><li>• Airline Passthrough: A swiveling airline passthrough - the AlphaTec® BSL4 valve - placed on the right-hand side of the suit. The passthrough is fitted with a handle for adjusting the air flow &amp; a low-flow warning whistle</li><li>• External connection to air source: The airline passthrough is externally threaded for fitting of a HEPA filter and/or an air-line hose (not included).</li><li>• Air Distribution: Air is distributed in front of the visor as well as into sleeves and legs. Excess air is ventilated through six (6) exhaust valves in the back of the hood &amp; shoulders. The exhaust valves are fitted in a splash protective pocket.</li><li>• Air Supply System: The air supply source, mobile or stationary, shall have a working/inlet pressure of 3.0 - 5.0 bar (44 - 73 psi). Air Flow is adjustable by the user and operates between 250 - 515 liter/min. NOTE: The delivered air shall fulfill the requirements for breathing air according to local regulations.</li></ul> |
| Included With Each Delivery     | <ul style="list-style-type: none"><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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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