

FALCON

HIGH COMFORT & HIGH PROTECTION

CBRN OVERSUIT

The Falcon is a comfortable and highly protective one piece CBRN oversuit harnessing much of the technology used in the Phoenix Lightweight Protection suit. At around 30% lighter than conventional systems, it provides qualified CBRN vapour protection with the added benefit of water/oil repellence and fire retardant coatings, thus making the Falcon an extremely versatile CBRN protection system for use in multiple CBRN threat environments.

Constructed using a lightweight activated carbon liner, combined with a rugged and anti-rip outer, the Falcon has been designed to offer the wearer maximum comfort whilst still offering a high level of CBRN protection within both a military and civil environment.

Lightweight and breathable, the Falcon can be configured with a range of respirators, including Powered Air Purifying Respirator systems (PAPRs).

HIGHLIGHTS

- Conforms to NATO standards
- Greater comfort and low physiological burden
- Maximum protection
- High air permeability
- Up to 20 times launderable
- Up to 20 year shelf life
- Compatible with a range of accessories
- Fire retardant and water/oil repellent
- Standalone garment or overgarment
- Rugged and durable
- Available in various colours and camo patterns

The Falcon provides demonstrable improvement in comfort at high and low temperature and humidity. Impact on body temperature at high humidity is also lower when measured against conventional overgarments.



PROPERTY	RESULT
Material Composition	Outer Shell: Rip-stop polyester/cotton Liner: 100% activated carbon fibre laminated to a 100% polyester protective scrim
Mass in g/m ² - outer shell material - liner carbon material (with 70g/m ² carbon load)	175 g/m ² ± 10% 134 g/m ² ± 10%
Flame retardancy	Index 3
Materials chemical permeation: - CWA - other CBRN challenges	Disclosure upon specific request - conditional terms may apply

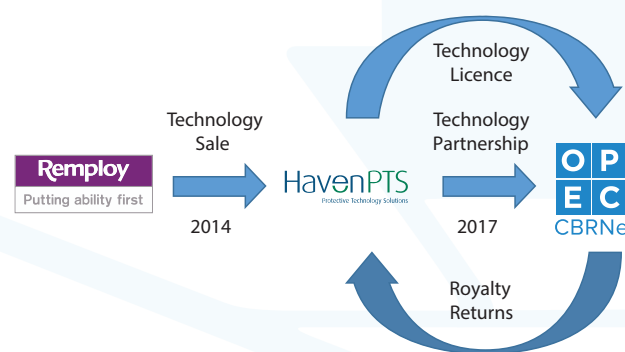
The Falcon suit has been designed as an integrated system for use with protective gloves and over-boots and a negative pressure respiratory system. The suit can also function using a Powered Air Purifying Respirator (PAPR).

The Falcon CBRN Protection Suit is designed for use by appropriately trained and CBRN aware personnel. It forms part of a specialised layer of protection against airborne challenge agents and is not intended for use by personnel who are not familiar with the requirements of a CBRN protection protocol.

Quality, Safety & Environment

OPEC CBRNe has been established under parent company OPEC Systems. OPEC's people are the single most important factor in driving the company forward and, as such, we ensure the highest level of health, safety and welfare for our staff.

For more information please contact Chris Jackson,
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About OPEC CBRNe

Remploy → Haven → OPEC CBRNe

OPEC CBRNe is a designer and manufacturer of high comfort, high protection Level C CBRN suits.

Through the sale of the former Remploy organisation in 2014, OPEC CBRNe gained the rights to Remploy's Intellectual property.

Since then we have innovated and improved those systems to provide the lightest, most comfortable CBRN PPE, without compromising on protection.

Our leading product, the Kestrel, was selected by Australian DoD as their system of choice in 2019. With expertise in supplying large volumes as well as smaller MOQ's, we have manufacturing capability across the world in locations including UK, Asia and USA.

