

WG Bomb Disposal Suit & Helmet

Product Code: 4010-19



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Key Features



CBRN Protection Available



**Available in 5 Sizes XS, S, M, L, XL
Three Colours available**



Mix & Match Trouser & Jacket Sizes



**Water & Heat Resistant & Anti-Flammable &
Anti-Static Construction Materials**



Helmet, One Size Fits All



Overview

The WG Bomb Disposal Suit is created to be used by both civil and service personnel who engage primarily in IEDD activities where there is a risk of exposure to explosive events. Providing the operator with maximum protection and dexterity and minimum hinderance to operator movement.

The outer shell provides protection from tearing effects of dynamic blast, flash and flame. Whilst the inner layers of the suit provide further protection and resistance to fragmentation. Using inherently antistatic materials which repel water and many contaminants.

The suit provides high levels of protection again diverse threats in a way that it is compatible with User's needs for mobility, dexterity, access, vision, ease of use and system durability.

Components

Ballistic Later – Trousers and jacket

Outer Layer – Trousers and jacket attached to armour later for convenience of donning

Frontal Plate – Flexible plate included blast de-coupler

Helmet – Full face helmet including heated visor

Ventilation System– Comprising of fans, battery boxes, control system and spine protection system

Carry Bag for the complete system

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Blast Protection

Silverback 4020 Blast Pressure Results

C4 Charge Size (kg)	Dist /m	Percentage Lung Survivability versus Bowen Reflected Pressure Curve (%)	Percentage Reduction in Internal Pressure at Chest Compared to External Pressure (%)	Measured Ear Pressure (kPA)	Percentage Reduction in Internal Pressure at Ear Compared to External Pressure (%)
0.567	0.6	>99	96.9 to 99.7	54 to 90	99.4 to 99.6
1.0	1.0	>99	98.1 to 98.5	-	-
2.0	2.0	>99	87.6 to 92.3	-	-
10.0	3.0	>99	99.0 to 99.7	75 to 103	99.6 to 99.7

Ballistic Protection

V50 Tested to STANAG 2920 with 17 grain FSP

Helmet Visor	575ms
Chest with Plates	600ms
Torso back ctr	1,900ms
Torso back Upper arms	560ms
Lower arms	560ms
Legs front & back	500ms
	450ms
	460ms

Capability

Cooling System. Integrated to the jacket, powered by two independent fans that force air to the torso and head.

Spine protector - located at the back of the jacket.

Quick Release facility provided for both jacket and legs to enable doffing in seconds

Available in three colours

Various wires and radio communication systems can be used. Ear pieces, microphones and PRR Systems can be provided to interface with an existing system or connected to industry standard items.

Optional Accessories

As well as the Cooling system, the jacket has a back pocket which houses an optional cooler to be fitted to circulate cool dry air around the torso and upper legs to enhance comfort.

CBRN Protection system is available for the suit

Colours available -

