

4020 ELITE Bomb Disposal Suit

4020 ELITE SUIT OPTIMUM PROTECTION AND FLEXIBILITY

- FLEXIBLE DESIGN FOR KEY BOMB DISPOSAL MANOEUVRES
- EASE OF DONNING AND DOFFING
- INTEGRATED COOLING TO REDUCE OPERATOR FATIGUE
- QUICK RELEASE SYSTEM FOR EMERGENCY REMOVAL
- OUTSTANDING VISION, SITUATIONAL AWARENESS, REACH AND MANOEUVRABILITY

The 4020 Elite delivers unrivalled protection and mobility. Utilising advanced materials and world class garment engineering, the 4020 Elite provides 360° blast protection and survivability against pressure, fragments, blast wind and heat and flame, protecting the operator even if the device is located in a challenging or restrictive location. All suits undergo rigorous testing including blast trials, ballistic testing, impact attenuation and electronic and environmental testing.

The flexible design of the 4020 Elite allows for the performing of manoeuvres including climbing, crawling and crouching. Interchangeable armour pouches enable threat protection levels to be raised and integrated cooling systems extended wear and reduces operator fatigue. Optional capability including cameras and communication systems can be used with the 4020 Elite.

CORE BENEFITS



Advanced Protection

The 4020 Elite incorporates leading textile design to protect against blast and fragmentation. All seams are specially constructed to resist both ruptures and blasts, the Nomex® outer skin provides water resistance and fire protection, whilst dissipating static charges.



Superior Mobility

The lightweight, ergonomic construction of the 4020 Elite jacket and trousers, alongside a flexible breastplate provides the user with the vital operational flexibility for bomb disposal assignments, including crouching and climbing.



Quick Release System

The 4020 suit has a patented quick release system leaving no ballistic openings. The suit's jacket and trousers can be removed, unaided by the user in less than 30 seconds.



Proven Beyond Doubt

The 4020 Elite has been extensively blast tested against the NIJ 0117.01 Public Safety Bomb Suit Standard and other key military blast requirements, ensuring the highest levels of survivability and pressure reduction to protect the operator.

FULLY CBRN GARMENT COMPATIBLE

When used with the optional CBRN Visor, the 4020 Elite works with leading theatre-proven CBRN protection systems to deliver a complete EOD CBRN protective solution. The CBRN Visor features a slightly wider surface area to accommodate a CBRN facemask, whilst an air purification system attaches to the MOLLE strips on the rear of the suit jacket.



COMPONENTS AS STANDARD:

JACKET AND TROUSERS

- Protects against rupture, blast, fire and water ingress
- Tubular construction for maximum freedom of movement
- Integrated quick release system in both the jacket and trousers

BREASTPLATE

- Innovative three-piece telescopic construction for flexible movement
- Minimises the transmission of shockwave energy to the user's torso

INTEGRATED SPINE PROTECTION AND FORCED AIR VENTILATION SYSTEM

- Protects against blunt trauma
- Delivers cool air to the operator's torso and neck to reduce the effects of fatigue

INTEGRATED COOLING SYSTEM

- Provides cool air to head and body areas sufficient for a one-hour operation running at full power

HELMET

- An integrated powerful heated visor to prevent misting in hazardous environments
- Helmet with acrylic visor (600 m/s)
- Helmet with glass visor (730 m/s)
- Helmet with glass CBRN visor (730 m/s)

RECOMMENDED UPGRADES

- Communication Systems
- Cooling Systems
- CBRN Options
- EOD Tools and Accessories
- Body-Worn Monitoring Systems
- Hydration Systems
- Ballistic Hand and Boot Protection



SPECIFICATION

The 4020 Elite is available in five sizes: extra small, small, medium, large and extra large.

COLOURS

Paris Blue	Sage Green	Desert Tan
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**Base Suit - Ballistic Protection (V50 m/s):
17gr (1.1g) FSP V50**

Arms	Legs	Chest	Helmet	Visor
Upper: 500 Lower: 450	460	1900	575	Acrylic Faced: 600 Glass Faced: 730 CBRN: 730

BLAST PROTECTION

	Survivability probability (as measured on Bowen Curve)	Reduction in pressure at Lung
NIJ 0117.01 0.567 kg C4 at 0.6 m (kneeling)	>99%	Between 96.9-99.7%
1 kg C4 at 1.0 m (standing)	>99%	Between 98.1 and 98.5%
2 kg C4 at 2.0 m (standing)	>99%	Between 87.6 and 92.3%
10 kg C4 at 3.0 m (standing)	>99%	Between 99.0 and 99.7%

WEIGHT (MEDIUM SUIT)

Without Helmet	30.5 kg	67.2 lbs
With Helmet	35 kg	77.2 lbs
With CBRN Helmet	35.5 kg	77.8 lbs

