

# Shaping the future of firefighting PPE



FLAME **PRO**

Protecting Life



# We're FlamePro.

**We used to be the new kids on the block, the ones you hadn't heard of...**

**Not your 'usual brand'.**

**But things change. Or at least, they should.**

When was the last time your kit was changed? Properly changed, with something more than a new kind of zip or one button instead of two?

Because at FlamePro, we believe in change. In actual innovation. That's what drives everything we do and is why we're now talking to an ever-increasing number of brigades throughout the UK and Europe.

**We don't assume the challenges you're facing;** we ask you to inform our products and designs.

**We don't guess what innovation looks like;** we rely on the expertise of the industry's best to tell us about technical fabrics and the optimum ergonomics.

**We don't ever stop because we think we've designed the perfect garment;** we understand that conditions are always changing and that we need to continuously evolve our products.

**We've been called 'market disruptors'.** Which is nice (we think) but really, we're just a business that believes fire fighters deserve better. In the face of such bravery, you deserve to know that your kit isn't something that will let you down. It isn't something that feels cumbersome to wear or causes you to waste time with unnecessary elements. It isn't something that works against you.

But we are changing it up a gear.

**Revolution, not evolution.**

**FLAME-PRO.COM**



**FLAME PRO**

Protecting Life





Protecting Life

# Why Trust FlamePro?

More is possible, so that's what we're bringing you. More innovation. More options. More comfort without compromise.

## Still need a little convincing?

### 1 Full service - products, care and maintenance

We design and manufacture an extensive range of fire garments and bring in the best for everything else. When it comes to aftercare, we offer a full care package including a laundry service with our exclusive nationwide partner. There's also our dedicated customer service team who love nothing more than to help you when you need it.

### 2 Lead time - from order to delivery in less than 10 weeks

Looking for a quick turnaround? We are in control of every step of our supply chain, from sourcing materials, to manufacturing and production, meaning our lead times are typically 6-8 weeks or less\*. This not only makes our lead time significantly less than our competitors but means we have built-in flexibility to get you what you need, when you need it.

### 3 Industry leading expert team - pushing boundaries of what's possible

We have a team of experts that are happy to rip up the rule book of traditional design and production of firefighter apparel. Instead, they revel in challenging the norms by searching for new fabrics and innovations to make the garments more practical and comfortable for those wearing them. What we will never do, however, is compromise on safety so you can have confidence that every garment is tested and certified to the highest possible standard.

### 4 Our ethos - continuous improvement in everything we do

We don't believe in sitting back marvelling at what we've produced. We pride ourselves in getting things right, but we know that what is right today might not be right for tomorrow and so we challenge ourselves, we listen to feedback and we support wearer trials to learn from everything we do.

### 5 Sustainable production - minimising our carbon footprint

Our garments travel less than 2,000 miles from manufacturing to warehouse. Whilst most of our competitors manufacture in the Middle East, we know that having production facilities in Europe means we're minimising our impact on the climate when we need to transport our products.

### 6 Wearability and style

We're proud of the fact our garments have been designed for real firefighters doing a very physical job. Whilst safety and protection are standard, ergonomics and comfort are at the forefront of our minds at all time. We're creating garments that not only save lives, but are what people want to wear and we'd go as far as to say they look pretty good too.

### 7 Customer obsession

We do what we do because firefighters deserve the very best. That extends to the relationships we build. We don't chase orders; we look for partners because ultimately you are the reason we are successful. Your input, feedback and collaboration mean we'll save even more lives, and we think that's something worth being obsessed with.

\*Orders over 50 pieces will be on a case to case basis

# FlamePro's life-saving garments are essential kit for firefighters around the world.

We understand what it means to be responsible for the lives of your firefighters, and the people they protect. We're on your side.

Committed to spearheading new technologies, FlamePro is guaranteed to go the extra mile for you. Our mission is to make firefighters' jobs safer and easier, the world over.

We know there is more to a suit than how much it can protect from heat. It needs to be light, it needs to be well fitting, it needs intelligent pocket placement and quick escape options. Every firefighter is important, every firefighter is different, and to us, it's firefighters that matter most.



**Protecting Life**

# Revolution *not* Evolution

*Meet Valiant*

# Valiant. The structural suit of the future.

The Valiant isn't just the latest version of an existing product. It's setting a completely new benchmark. Using all-new designs from our specialist in-house team and the latest in fabrics, membranes and components (including some specifically designed for these garments). Making this the best structural suit on the market.



*So stop compromising,  
and choose Valiant. An  
incredible garment for  
incredible people. ”*

**FLAME** **PRO**





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### **The Valiant Fabric System**

Five outer layer choices to suit your budget and requirements

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### **State-of-the-art 3D Spacer**

3D spacer on the shoulders for comfort whilst wearing breathing apparatus

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### **A Suit for Everyone**

Unrivalled 96 male and female size and fit options

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### **Uninhibited Comfort & Movement**

Ergonomically designed side panels enable extra movement and comfort

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### **Glow in the Dark as Standard**

Glow in the dark tape as standard - providing enhanced visibility in no-light scenarios

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# Valiant Product Specification

The Valiant isn't just the latest version of an existing product, it's a whole new suit. Created by our team of experts by combining new fabric and membrane technologies with existing high-performance layers and the latest components, you are guaranteed to benefit from the best solution on the market.

The Valiant structural fire suit is available in a range of fabric system options, many of which are stock fabrics - allowing us to offer industry leading delivery times. Many of the garment choices incorporate FlamePro's state-of-the-art, 3D spacer, high durability, high thermal performance system designed and tested to withstand more than 40 industrial washes at 60°C. In addition, the moisture barrier is designed to protect against blood-borne pathogens.

We've created male and female blocks for all of our new range so your female firefighters no longer have to compromise with the best male fit. This market-leading range of 96 size options minimises the number of suits that will need to be specially made.

## Product Details

### Size

**Chest/waist:** XS-4XL

**Fit:** Extra Short, Short, Regular, Tall, Extra Tall, XX Tall

Total 96 sizes from standard range (both male and female fits)

### Code

770 Jacket / 775 Trouser

### Colour

Gold, Navy, Orange

## EN Standards

- **BS EN ISO 13688:2013** / General PPE requirements
- **BS EN 469:2020** / Protective clothing for firefighters  
- Level 2 X2, Y2, Z2
- **MED Approved**




Appropriate for:  
Structural Firefighting



EN 469:2005  
Level 2



MED Approved



# ALWAYS VISIBLE

INTRODUCING DEFENDER

# Defender. Setting the new standard for Wildland suits.

The Defender brings a completely new standard to Wildland fire suits. With glow in the dark tape as standard, lightweight fabrics that provide brilliant protection yet are highly breathable and durable, and our industry-leading 96 size and fit options – the Defender Wildland suit is designed to set the new standard.

“

*Don't settle for what's gone before. Choose Defender.*”

FLAME PRO



### **Uninhibited Comfort & Movement**

Strategic panelling that is ergonomically shaped for wearer comfort and ease of movement

### **Glow in the Dark as Standard**

Photoluminescent glow in the dark tape for operational effectiveness

### **State-of-the-art 3D Spacer**

Shoulder reinforcement and 3D spacer over the main fabric for added comfort when wearing a backpack

### **Unrivalled Protection**

Ergonomically shaped knee panels with reinforced fabric to protect against thorns, gorse, and undergrowth



# Defender Product Specification

Designed to set the benchmark, the Defender Wildland suit includes military grade FR plastic hardware that passes heat resistance of 260°C, even after 40 wash and dry cycles – meeting the high demands of the latest Wildland standard.

With comfort and ergonomics at the forefront of the design, the Defender suit also uses 3D padding and carefully placed panelling to improve breathability; providing the much-needed airflow to reduce the risk of heat stress and ensure that wearers can be confident in high-intensity situations.

Our Defender suit also comes in a one or two-piece option – ensuring ultimate comfort and wearability.

## Product Details

### Size

**Chest/Waist:** XS-4XL

**Fit:** Extra Short, Short, Regular, Tall, Extra Tall, XX Tall

Total 96 sizes from standard range (both male and female fits)

### Code

902 Jacket / 903 Trouser / 992 Coverall

### Colour

Navy, Red, Yellow (not hi-vis)

Other colours are available subject to MOQ

## EN Standards

- **BS EN ISO 13688:2013** / General PPE requirements
- **BS ISO 16073-3:2019** / Wildland firefighting personal protective equipment - Part 3: clothing
- **BS EN ISO 15384:2020** / Protective clothing for firefighters - laboratory test methods and performance requirements for wildland firefighting clothing
- **BS EN 1149-5:2018** / Electrostatic properties / EN 1149-3:2004 Charge decay



Appropriate for: Rescue

FLAME PRO

GO BEYOND  
CONVENTIONAL

BRINGING INNOVATION  
DOWN TO EARTH

MEET APOLLO

# Apollo. Bringing innovation down to earth.

Apollo sets the standard for technical rescue suits. With comfort and ease of movement at the forefront of the design, Apollo is a technical suit like no other.

Don't settle for anything less than our new Apollo Technical Rescue ensemble. A suit that is truly dedicated to the challenges faced during technical rescues. Whether you are climbing, crawling or abseiling, Apollo has been designed to enable the activity rather than hinder it.

“

*Apollo. Enable the activity, don't hinder it.*”

FLAME PRO





**State-of-the-art 3D Spacer**

Shoulder reinforcement and 3D Spacer for enhanced comfort

**Strategically Placed Panelling**

Ergonomically shaped for wearer comfort and ease of movement

**Exceptional Protection**

Reinforced fabric cuff and jacket hem for better abrasion resistance

**Glow in the Dark as Standard**

Provides enhanced visibility in low-light areas and operational effectiveness



# Apollo Product Specification

Apollo is a standalone solution that is not only lightweight and ergonomic, it comes packed with features including an internal 3D spacer on the shoulders for added comfort, glow in the dark strips for visibility in low-light areas and strategic panelling that is shaped for wearer comfort and ease of movement. Making it the ideal solution for technical rescue.

## Product Details

### Size

**Chest/Waist:** XS-4XL

**Fit:** Extra Short, Short, Regular, Tall, Extra Tall, XX Tall

Total 48 sizes from standard range (unisex fit)

### Code

531 Technical Rescue Jacket / 535 Technical Rescue Trousers

### Colour

Navy, Hi Vis Yellow/Navy

## EN Standards

- **BS EN ISO 13688:2013** / General PPE Requirements
- **BS EN 1149-5:2018** / Electrostatic properties
- **BS EN ISO 20471:2013+A1:2016** / High Visibility Clothing
- **BS EN ISO 11612:2015** / Clothing to protect against heat and flame
- **BS EN 343:2019** / Protection against rain
- **BS EN 16689:2017** / Protective clothing for firefighters, clothing for technical rescue



Appropriate for: Wildland

FLAME PRO



# VALKYRIE

ARISE THE INDUSTRY LEADING  
STRUCTURAL ECO SUIT

MEET VALKYRIE

# Valkyrie. Arise the industry leading structural eco suit

The Valkyrie is an entry-level structural firefighters suit which we have designed and built from the ground-up. Available in multiple assembly options featuring our own innovative fabrics alongside industry-leading Kevlar protection reinforcement while still providing enhanced levels of breathability and improved heat transfer performance. We have confidence in this eco suit being the highest performing available on the market today.



*Valkyrie - the rise of a new industry standard suit.*

**FLAME PRO**



### **Enhanced Mobility & Fit**

3D Spacer on the shoulder provides improved wearer comfort

### **Design from the Ground-up**

Improved ergonomic design provides highest comfort levels and ease of movement

### **Meeting the Highest Industry Demands**

Innovative fabric systems perform better for breathability and heat transfer

### **Added Levels of Flexibility & Choice**

Multiple fabric assembly options and best size and fit options in the market

### **Industry-leading Protection**

Kevlar reinforcement in elbows and knees provide additional protection levels



# Valkyrie Product Specification

Valkyrie is our latest innovative solution for the entry-level structural firefighters suit. It retains the highest levels of protection, improved comfort and flexible fit whilst still maintaining the value you can expect from FlamePro.

Created from the ground-up, this design-lead solution continues to feature our highest quality fabrics, multiple assembly options and ergonomic styling for improved comfort and mobility. Add glow in the dark as standard for visibility in low-light conditions, Kevlar reinforced elbows and knees proving unrivalled protection as well as 3D spacers previously unknown on eco fire-suit designs.

Valkyrie is the economical choice with the highest levels of comfort and protection.

## Product Details

### Size

**Chest/Waist:** XS-4XL

**Fit:** Extra Short, Short, Regular, Tall, Extra Tall, XX Tall

Total 48 sizes from standard range (unisex fit)

### Code

670 Jacket / 675 Trouser

### Colour

Gold, Navy, Orange

## EN Standards

- **BS EN ISO 13688:2013** / General PPE requirements
- **BS EN 469:2020** / Protective clothing for firefighters
  - Level 2 X2, Y2, Z2
- **MED Approved**



Appropriate for:  
Structural Firefighting

# Garments



# 660/650

## Firefighter two-piece

### Fabric - Kermel Aramid

660 Jacket / 650 Trouser

#### Our work horse.

The 660/650 is celebrated for its strength and flexibility. It's MED approved so don't be surprised if you see this suit on the high seas. Available in various colours and fabrics, we have a setup which can meet your needs and keep you safe when it matters most.

**Outer Shell Fabric**  
Kermel Aramid

**Moisture/Thermal**  
Tritec combined, ePTFE moisture barrier

**Inner Fabric**  
Tritec combined

#### Colour Options

 Navy  Beige  Orange



Appropriate for:  
Structural Firefighting



EN 469:2005  
Level 2



MED Approved



# 612/638

## Firefighter two-piece

### Fabric - Kermel Aramid

#### 612 Jacket / 638 Trousers

**Long trousers, short jacket, complete protection.**  
The 612/638 is strong yet flexible. In addition to being a fantastic combo for structural firefighting it is also MED approved so will work nicely for marine firefighting. This is available in various colours and fabrics so we'll be able to meet your specifications.



**Outer Shell Fabric**  
Kermel Aramid

**Moisture/Thermal**  
Tritec combined, ePTFE moisture barrier

**Inner Fabric**  
Tritec combined

#### Colour Options

 Navy  Beige  Orange



Appropriate for:  
Structural Firefighting



EN 469:2005  
Level 2



MED Approved

# 637

## Firefighting coverall

Fabric - Kermel Aramid

### 637 Coverall

This coverall shines brightest when being used offshore, it's MED approved and ready for action. If that's not your normal locale don't worry, the 637 would work great tackling a structural fire or on a helideck. A true allrounder, available in multiple colours, you can't go wrong with the 637.



**Outer Shell Fabric:**  
Kermel Aramid

**Moisture/Thermal**  
Tritec combined, ePTFE moisture barrier

**Inner Fabric**  
Tritec combined, ePTFE moisture barrier

#### Colour Options

 Navy  Beige  Orange



Appropriate for:  
Structural Firefighting



EN 469:2005  
Level 2



MED Approved

# 402/403/422

## Firefighter two-piece

### Fabric - Microfibre Polyester

402 Jacket / 403 Trouser / 422 Coverall

#### Waterproof. Flexible. Breathable.

The 402 / 403 / 422 combo ticks all the boxes for a water rescue suit. It's been used for rope rescue, animal rescue, HVP. Your team will be well equipped to tackle any rescue mission in this combo. Available in Red or Navy.



#### Outer Shell Fabric

Microfibre Polyester

#### Description

Lightweight 2/2 twill microfibre polyester base fabric laminated with highly breathable micro-porous membrane technology

#### Colour Options

 Navy  Red



Appropriate for:  
Rescue, Wildland and  
High Volume Pumping



EN 343



# Accessories



# Hoods

## 177 Firefighter Flash Hood



### Product Details

Firefighter flash hood. Double layer fire hood with reinforced flat lock seams.

#### Fabric

50% Kermel, 50% FR Viscose

#### Colours

Navy/Beige

### EN Standards

**BS EN ISO 13688:2013** / General PPE Requirements

**BS ISO 16073-9:2019** / Wildland firefighting personal protective equipment - part 9:hoods

**EN 13911:2017** / Protective clothing for firefighters - Requirements and test methods for fire hoods for firefighters



EN 13911:2017



Appropriate for:  
Structural Firefighting and  
Wildland

## 178 Firefighter Snood



### Product Details

Wildland firefighter snood - neck tube. For use in wildland firefighting operations and associated activities such as rescue work, assistance and during disasters.

#### Fabric

50% Kermel, 50% FR Viscose

#### Colours

Navy/Beige

### EN Standards

**BS EN ISO 13688:2013** / General PPE Requirements

**BS EN ISO 11612:2015** / Protective clothing, clothing against heat and flame, performances: A1, B1, C1



Appropriate for:  
Rescue & Wildland

# Boots

## Jolly 9016



EN 20345



EN 15090



Appropriate for:  
Structural Firefighting

## Jolly 9305



EN 20345



EN 15090



Appropriate for:  
Structural Firefighting

## Jolly 6530



EN 15090:  
2012



ISO 16073-6:2021



Appropriate for :  
Wildland and Structural  
Firefighting

## Tuffking 9687



MED Approved



EN 50321



EN 20345



EN 15090



Appropriate for:  
Rescue, Wildland and  
High Volume Pumping

# Gloves

## Diamond

Holík  
international



EN 659:2003  
+A1:2008



Appropriate for:  
Structural Firefighting

## Maris Short

Holík  
international



EN 659:2003  
+A1:2008



Appropriate for:  
Structural Firefighting

## Cheyenne Plus

Holík  
international



EN 659:2003  
+A1:2008



Appropriate for:  
Structural Firefighting

## Josephine

Holík  
international



MED Approved



EN 659:2003  
+A1:2008



Appropriate for:  
Structural Firefighting

## Tiffany

Holík  
international



EN 659:2003  
+A1:2008



Appropriate for:  
Rescue &  
High Volume Pumping

## Lesley Plus Rescue

Holík  
international



EN 420:2003  
+A1:2009



EN 388  
Class 5



Appropriate for:  
Rescue &  
High Volume Pumping



# Helmets

## MSA Gallet F1XF



Appropriate for:  
Structural Firefighting

## Rosenbauer Heros Titan



Appropriate for:  
Structural Firefighting

## MSA F2XR Rescue Helmet



Appropriate for:  
Rescue, Wildland and  
High Volume Pumping

### How can we help?

For more information on any of our innovative garments and accessories, and to discuss your specific requirements please contact.

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**FLAME-PRO.COM**



A series of 20 horizontal dotted lines for writing.





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