

670/675  
**Valkyrie**

Industry Leading  
Structural  
Eco Suit

FLAME **PRO**

DATASHEET

Correct: October 2024





## 670/675 Valkyrie

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.

### Product Details

#### Code

670 Jacket | 675 Trouser

#### Size

Chest/Waist: XS-4XL

Fit: Extra Short | Short | Regular | Tall | Extra Tall | XX Tall

Total 48 sizes from standard range (One fit)

#### Colour

Gold | Navy

### EN Standards

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



Appropriate for:  
Structural Firefighting

### Features & Benefits

Improved ergonomic design provides highest comfort levels and ease of movement

3D Spacer in shoulder area to enable airflow to keep firefighters cool

Retro-reflective glow in the dark tape, giving 8 hours of charge seen at any time in any environment

Innovative fabric systems perform better for breathability and heat transfer

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

Kevlar® reinforcement in knees provide additional protection levels

## Valkyrie 670 Jacket

### Features & Benefits

- Collar hanging loop
- Adjustable collar tab for better fit
- High shaped mandarin collar for better comfort and protection
- One microphone loops at upper chest
- Internal FR 3D spacer shoulder and back padding
- Adjustable torch/radio strap at left chest area
- Bellow radio pocket, adjustable for different radio heights
- Napoleon pocket on left side as worn with whistle loop on the inside
- Adjustable cuff tabs for better fit
- Thumb loop to stop sleeving riding up when arms are extended
- Extended hem at the back to ensure full coverage of the lumbar region when bending
- Storm guard attached using spot Velcro® closure
- Industrial wash, flame retardant sew-on solid (or perforated) reflective tape, attached with twin needle stitching for added strength, 50mm wide
- Main zip attached to zip carrier for easier repair
- Strategic panelling that's ergonomically shaped for wearer comfort and ease of movement
- Anti-wicking panels on the cuff and body hem





## Valkyrie 675 Trouser

### Features & Benefits

- Fixed 'H' style braces with quick adjustment
- Front waist adjustment for better fit
- Ergonomically shaped abrasion resistant knee reinforcement panels with Kevlar padding for additional puncture protection. Internal fixed knee pads to ensure wearers comfort
- Reinforced leg hem for abrasion resistance
- Centralised fly zip with inner zip guard – fly zip is covered with a storm guard
- Industrial wash, flame retardant sew-on solid (or perforated) reflective tape, attached with twin needle stitching for added strength, 50mm wide
- Ergonomically shaped knee panels
- All closures are easily operated whilst wearing gloves
- Leg bottoms have a gusset and secured zip closure system to facilitate donning and doffing whilst wearing boots



# 670/675 Jacket & Trouser

## Size & Fit Guide

### Garment Size Guide

Jacket Size	Chest/Bust	Trouser Size	Waist	Seat/Hip
X-Small	84-92cm / 33-36"	X-Small	68-76cm / 27-30"	78-86cm / 31-34"
Small	92-100cm / 36-39"	Small	76-84cm / 30-33"	86-94cm / 34-37"
Medium	100-108cm / 39-42"	Medium	84-92cm / 33-36"	94-102cm / 37-40"
Large	108-116cm / 42-45"	Large	92-100cm / 36-39"	102-110cm / 40-43"
X-Large	116-124cm / 45-49"	X-Large	100-108cm / 39-42"	110-118cm / 43-46"
2X-Large	124-132cm / 49-52"	2X-Large	108-116cm / 42-45"	118-126cm / 46-49"
3X-Large	132-140cm / 52-55"	3X-Large	116-124cm / 45-49"	126-134cm / 49-53"
4X-Large	140-148cm / 55-58"	4X-Large	124-132cm / 49-52"	134-142cm / 53-56"

### How to measure & pick the right size

#### Height measurement

With bare feet together measure from the top of the head to the floor.

#### Chest / Bust measurement

Measure under the arms at the fullest part around the chest, horizontally with arms by your side.

#### Waist measurement

Measure around the natural waistline at the fullest part.

#### Seat / Hip measurement

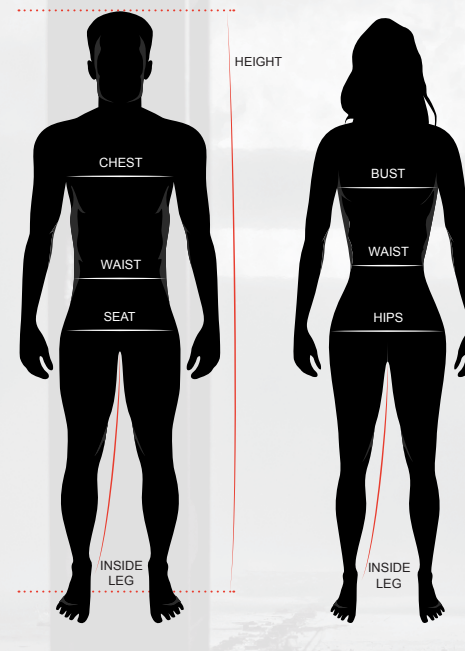
With the feet together, measure around fullest part.

#### Inside leg measurement

In bare feet take the measurement from the top of the inside leg and measure down the inside leg to the floor.

### Length Size Guide

Size Guide	Height – use for garment length	Inside Leg – use for trouser length
X-Short	152-160cm / 5'0"-5'3"	68cm / 27"
Short	160-172cm / 5'3"-5'8"	73cm / 29"
Regular	172-180cm / 5'8"-5'11"	78cm / 31"
Tall	180-188cm / 5'11"-6'2"	83cm / 33"
X-Tall	188-196cm / 6'2"-6'5"	88cm / 35"
XX-Tall	196-204cm / 6'5"-6'8"	93cm / 37"





## 670/675 Valkyrie Washing & Care Guidelines

We recommend care and maintenance in line with BS 8617, which can be obtained from BSI shop ([shop.bsigroup.com](http://shop.bsigroup.com)).

### General PPE Maintenance Guidelines

- Wash the PPE regularly using specially adapted programs for contaminated emergency clothing
- The garments should be cleaned after incidents where they have been affected by fire gases, or if they have been soiled by soot, the by-products of combustion, blood, body fluids, tar, fuel, resin, paint, acid or other dangerous substances
- Contaminated clothing should be transported so that gases are enclosed
- Contaminated clothing should be cleaned separately from other garments
- Do not hang the garment in direct sunlight as UV radiation will eventually weaken the outer fabric
- Lubricate the zip if it doesn't feel smooth

### Before Washing

- Ensure all zips within the garments are fastened, including inspection zips on the inside of the garment
- Ensure all Velcro® closures are fastened
- Ensure all buttons are closed
- Ensure all pockets are empty
- Remove any detachable ID tags
- Remove all carabiner snap hooks
- Relax any adjustable closures, typically in the cuff, collar, ankle or waist
- Check fluorocarbon finish before each wash by using a spray test. Re-apply impregnation if needed. Always re-do the impregnation after chemical cleaning

### After Washing & Drying

- Ensure closures are functioning after wash
- Ensure the fit of garment is still suitable, the garment is not too loose or close fitting
- Check there is a sufficient overlap between jacket and trouser when performing stretching movements of legs and arms
- Make sure there is no damage or soiling
- The garments should be dry on the inside and outside
- Perform a spray test to ensure the fluorocarbon finish is functioning
- Check seam integrity and look for broken stitches
- Check reflective tape condition

### Important Notes

- Ensure cleaning is performed by a trained specialist, do not clean in a private household
- Follow product care label instructions
- Do not use domestic washing detergents, powders, softeners or whitening agents
- Do not use a tumble dryer
- Do not iron retro-reflective tape
- Do not wash with combustible materials



Washing Machine  
40 Degrees



Tumble Dry Settings  
Two dot:  
Mid Temperature



Ironing  
Two dot:  
High Temperature



Dry Cleaning  
P: Dry cleaning with  
Perchlorethylene



Do Not Bleach

