

770/775  
**Valiant**

**Structural Suit  
of The Future**

**FLAME PRO**

**DATASHEET**  
Correct: July 2024



# Structural Suit of The Future

FLAME PRO

## 770/775 Valiant

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.

### Product Details

#### Code

770 Jacket | 775 Trouser

#### Size

Chest/Waist: XS-4XL

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

Total 96 sizes from standard range (Two fits)

#### 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

Choice of 6 different outer shells dependant on requirement

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

Tape certified through 60 washes (50% longer lasting)

Puncture resistant Kevlar

Ergonomically shaped abrasion resistant knee reinforcement panels with Kevlar padding for additional puncture protection

Internal fixed knee pads to ensure wearers comfort

96 size options

## Valiant 770 Jacket

### Features & Benefits

- Extended back panel ensures coverage of the lower back when bending
- Front storm-guard placket over the zip with strategic Velcro® closure and easy-grip grab tab
- High quality, heavy-duty, FR zip attached to a zip carrier for simple replacement or repair
- Abrasion resistant internal 3D spacer padding on shoulder and back to aid air circulation and increase comfort while wearing BA
- Two large inner pockets made from lightweight fabric
- Inner stud fastening allows easy inspection and repair of the outer shell
- Inner zip allows easy inspection and repair of the moisture barrier
- Mandarin collar with adjustable collar tab for better fit
- Adjustable cuffs with easy-grip grab tabs and knitted inner cuff
- Thumb loops keep the sleeve from riding up
- Bellows radio pocket with flap adjustment to accommodate various radio sizes and antennas both sides
- Sleeve pocket with pen slots and easy-grip grab tab
- Napoleon pocket on left side with whistle loop on the inside
- Pen pocket under the storm-guard
- Rank tab on front storm-guard
- Adjustable torch strap with easy-grip grab tab
- Two microphone loops on upper chest
- Velcro® strip on chest for name and ID
- Collar hanging loop

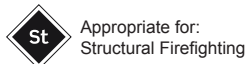


Appropriate for:  
Structural Firefighting

## Valiant 775 Trouser

### Features & Benefits

- Front fastening trouser with high quality fly zip, inner zip guard and protective outer storm-guard (zip design allows quicker repair)
- Removable braces with 3D padding for comfort whilst wearing BA and also quick adjustment
- Side waist adjusters with tunnel elastics ensure the best fit
- 3D spacer pad at the back increases lumbar protection and comfort when wearing BA
- Two large bellows combat pockets on thigh incorporate easy-grip grab tabs and carabiner-style glove hanging loop
- Ergonomic, padded and shaped knee panels with Kevlar puncture resistance also feature removable, internal, washable knee pads for protection and comfort
- Reinforced inner leg sections and leg seam at the ankle add durability to high abrasion areas



# 770/775 Valiant Size Guide

Size	Size Code	Chest (cm)	Chest (inches)	Waist (cm)	Waist (inches)
Extra Small	XS	84-92cm	33"-36"	68-76cm	27"-30"
Small	S	92-100cm	36"-39"	76-84cm	30"-33"
Medium	M	100-108cm	39"-42"	84-92cm	33"-36"
Large	L	108-116cm	42"-45"	92-100cm	36"-39"
Extra Large	XL	116-124cm	45"-49"	100-108cm	39"-42"
2X Large	2XL	124-132cm	49"-52"	108-116cm	42"-45"
3X Large	3XL	132-140cm	52"-55"	116-124cm	45"-49"
4X Large	4XL	140-148cm	55"-58"	124-132cm	49"-52"

## How to measure & pick the right size

### Chest / Bust measurement

Measure the circumference of your chest/bust below the armpit, measure the widest point.

### Waist measurement

Measure tightly around the waist and pick size accordingly, if your measurements fall in-between two sizes, we recommend picking the larger one, remember to check your inside leg measurement.

### Hip measurement

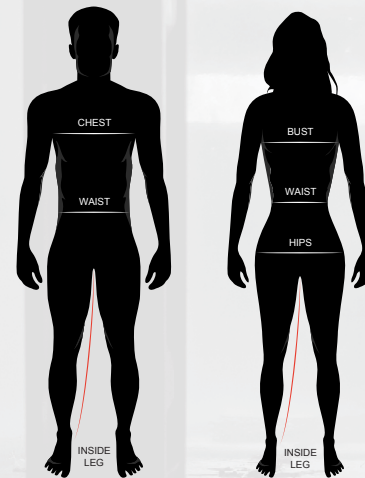
Measure tightly around the widest part of the hip, also measure the waist and pick size accordingly. If your measurements fall in-between two sizes, we recommend picking the larger one, remember to check your inside leg measurement.

### Inside leg measurement

Measure the distance between crotch and ankle and pick size that is the same or slightly longer than your measurement.

# 770/775 Valiant Fit Guide

Size	Height (cm)	Height (feet)	Inside Leg (cm)	Inside Leg (inches)
Extra Short	156-164cm	5'2"-5'5"	68cm	27"
Short	164-172cm	5'5"-5'8"	73cm	29"
Regular	172-180cm	5'8"-5'11"	78cm	31"
Tall	180-188cm	5'11"-6'2"	83cm	33"
Extra Tall	188-196cm	6'2"-6'5"	88cm	35"
XX Tall	196-204cm	6'5"-6'8"	93cm	37"



## 770/775 Valiant 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  
Perchloroethylene



Do Not Bleach

