FLAME PRO

531/535
Technical Rescue Suit

531 Jacket / 535 Trousers

Product Details

Size
Chest/Waist: XS - 4XL
Fit: Extra Short, Short, Regular, Tall, Extra Tall, XX Tall
Colour
Yellow
Code
531 Jacket / 535 Trouser

Intended Use

Technical rescue operations and associated activities such as assistance during disasters.

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

531 Technical Rescue Jacket

- Collar hanging loop
- Adjustable collar tab for better fit
- High shaped mandarin collar for better comfort and protection
- Two microphone loops at upper chest
- Velcro® loop for ID marking at right upper sleeve area
- Shoulder internal FR 3D spacer as additional padding
- Abrasion resistant and breathable elbow reinforcement for added comfort and safety
- Two large hip pockets, secured with Velcro®
- Adjustable torch strap at right chest area, grab tab for easier opening when wearing gloves
- Bellow radio pocket, adjustable for different radio heights, flap can accommodate radio antennas at both sides, grab tab for easier opening when wearing gloves
- Sleeve pocket, flap can accommodate pens at both sides, grab tab for easier opening when wearing gloves
- Napoleon pocket on left side as worn with whistle loop on the inside
- Glow in the dark strips, phosphorescent tape
- 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 lumber region when bending
- Grab tab at the storm guard for easier opening when gloves are worn, additionally storm guard attached using spot Velcro® closure
- Reinforcement fabric at cuff hem and jacket hem for better abrasion resistance
- Industrial wash, flame retardant heat applied segmented reflective tape
- Twin needle structural seams for added strength
- Strategic panelling that's ergonomically shaped for wearer comfort and ease of movement
- Inner stud fastening for easier inspection and repair of the outer shell
- Adjustable hip width using Velcro® tabs

535 Technical Rescue Trouser

- Removable braces with quick adjustment, braces feature 3D breathable padding for additional comfort
- Front waist adjustment for better fit
- Two large bellow combat style pockets, featuring glove hanging loops, secured with reinforced edge flaps
- Reinforced fabric at the knee with padding for additional comfort and safety – Ergonomically shaped abrasion resistant knee reinforcement panels.
- Elasticated waist band at the back
- 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 heat applied segmented reflective tape
- Twin needle structural seams for added strength
- Easier zip repair
- Ergonomically shaped knee panels
- All closures are easily operated whilst wearing gloves
- Glow in the dark strips, phosphorescent tape
- Adjustable ankle hems, secured with Velcro®

Wearer Fit Guide (Female Fit)

Available Sizes (Female)

Size	Size Code	Chest (cm)	Chest (inches)	Waist (cm)	Waist (inches)	Hip (cm)	Hip (inches)
Extra Small	XS	84 - 92	33” - 36”	68 - 76	27” - 30”	86 - 94	34” - 37”
Small	S	92 - 100	36” - 39”	76 - 84	30” - 33”	94 - 102	37” - 40”
Medium	M	100 - 108	39” - 42”	84 - 92	33” - 36”	102 - 110	40” - 43”
Large	L	108 - 116	42” - 45”	92 - 100	36” - 39”	110 - 118	43” - 46”
Extra Large	XL	116 - 124	45” - 49”	100 - 108	39” - 42”	118 - 126	46” - 49”
2x Large	2XL	124 - 132	49” - 52”	108 - 116	42” - 45”	126 - 134	49” - 53”
3x Large	3XL	132 - 140	52” - 55”	116 - 124	45” - 49”	134 - 142	53” - 56”
4x Large	4XL	140 - 148	55” - 58”	124 - 132	49” - 52”	142 - 150	56” - 59”

Available Fits (Female)

Size	Height (cm)	Height (Feet)	Inside Leg (cm)	Inside Leg (Feet)
Extra Short	84 - 92	33” - 36”	68 - 76	27” - 30”
Short	92 - 100	36” - 39”	76 - 84	30” - 33”
Regular	100 - 108	39” - 42”	84 - 92	33” - 36”
Tall	108 - 116	42” - 45”	92 - 100	36” - 39”
Extra Tall	116 - 124	45” - 49”	100 - 108	39” - 42”
XX Tall	124 - 132	49” - 52”	108 - 116	42” - 45”

WEARER FIT GUIDE (Male Fit)

Available Sizes (Male)

Size	Size Code	Chest (cm)	Chest (inches)	Waist (cm)	Waist (inches)	Seat (cm)	Seat (inches)
Extra Small	XS	84 - 92	33” - 36”	68 - 76	27” - 30”	78-86	31” - 34”
Small	S	92 - 100	36” - 39”	76 - 84	30” - 33”	86-94	34” - 37”
Medium	M	100 - 108	39” - 42”	84 - 92	33” - 36”	94-102	37” - 40”
Large	L	108 - 116	42” - 45”	92 - 100	36” - 39”	102-110	40” - 43”
Extra Large	XL	116 - 124	45” - 49”	100 - 108	39” - 42”	110-118	43” - 46”
2x Large	2XL	124 - 132	49” - 52”	108 - 116	42” - 45”	118-126	46” - 49”
3x Large	3XL	132 - 140	52” - 55”	116 - 124	45” - 49”	126-134	49” - 53”
4x Large	4XL	140 - 148	55”-58”	124 - 132	49” - 52”	134-142	53” - 56”

Available Fits (Male)

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

Measuring Guide

Measurements must be taken wearing clothing usually worn underneath Wildland Fire garments. The tape measure should be fairly loose and not pulled too tight.

- **Height** - with bare feet together measure from the top of the head to the floor
- **Chest/Bust** - measure under the arms at the fullest part around the chest horizontally with arms by your side
- **Waist** - measure around the natural waistline at the fullest part
- **Seat/hips** - with the feet together measure around fullest part
- **Inside leg** - in bare feet take the measurement from the top of the inside leg and measure down the inside leg to the floor

Two-Piece (Jacket & Trouser)

Once measurements are taken compare them to the fit guide measurement tables to find your Jacket and Trouser size. When fitting the Trouser if the waist and seat/hip measurements fall into different size categories then choose the larger size. If the height and inside leg measurements fall into different length categories then choose the Jacket length based on the height measurement and the trouser length based on the inside leg measurement.

Both the Male and Female garments can be worn by either gender, there is no visible difference to the garments. Only the fit is different. The wearer should choose their sizes based on the body measurements to ensure the best fit. Please note both Jacket and Trouser must be the same fit, Male Jacket with Male Trouser or Female Jacket with Female Trouser.

*If the height and inside leg lengths skip a length category, for example Height = Regular, & Inside leg: = X-Tall then please call customer service for further sizing assistance

Please note when using the measurement tables that all manufacturing tolerances and standard garment overmeasures have been taken into account. This ensures any slight variances in manufacture or fabric shrinkage after washing will not affect the fit of the garments.

Example wearer 1		Example wearer 2	
Body Measurement	**Size Category**	**Body Measurement**	**Size Category**
Height = 179cm	Regular	**Height = 184cm**	Tall
Chest/Bust = 105cm	Medium	**Chest/Bust = 120cm**	XL
Waist = 94cm	Large	**Waist = 106cm**	XL
Seat/Hip = 100cm	Medium	**Seat/Hip = 125cm**	XL
Inside Leg = 83cm	Tall	**Inside Leg = 79cm**	Regular
This wearer would choose the following male sizes: Jacket: Medium/Regular Trouser: Large/Tall		This wearer would choose the following female sizes: Jacket: XL/Tall Trouser: XL/Regula	

Washing, Maintenance & Repair Instructions

General PPE Maintanance 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 soiled by soot, 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
- Pressure 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 zipper if it starts to go slow
- If heavily soiled then use special procedures for washing

Before Washing

- Ensure all zips within the garments are fastened
- Ensure all Velcro® closures are fastened
- Ensure all buttons are closed
- Ensure all pockets are empty
- Remove any detachable ID tags
- Relax any adjustable closures, typically in the cuff, collar, ankle, waist

After Washing And Drying

- Ensure closures are functioning after wash
- Ensure the fit of garment is still suitable, the garment is not too loose or close fitting
- There is a sufficient overlap between jacket and trouser when performing stretching movements of legs and arms
- There is no damage or soiling
- The clothing is dry on inside and outside
- Check seams integrity or broken stitches
- Check reflective tape condition

Repairs

The garment should be inspected regularly for any damages, repairs should be performed by a trained specialist, modifications to garment are not allowed. Any repair or modification made by unauthorised service centre will void the warranty.

Washing Instructions

60 **Wash machine**
Temperature set to 60°C

Tumble Dry Settings
One Dot: Low temperature max 50°C

Ironing
One Dot: Low temperature

P **Dry cleaning**
P: Dry cleaning with perchlorethylene

Do not use bleach

Important Notes

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

Storage

Store the garment in dry conditions, not in direct sunlight. Do not store in airtight containers or vacuum packed, do not store at temperatures less than -32°C or above 82°C, do not store in con-tact with contaminants such as (not limited to) oils, solvents, acids or alkalis.