



FLAME RESISTANT  
GARMENTS

# USER INFORMATION GUIDE



This User Information Guide provides advice relating to the use, care, maintenance, and risk reduction of your new Flame Resistant (FR) garment. Potential risks and risk reduction are also discussed to ensure optimal safety while using this item.

**IMPORTANT: PLEASE READ CAREFULLY BEFORE WEARING.**

IT IS THE WEARER'S RESPONSIBILITY TO READ, UNDERSTAND, AND COMPLY WITH THE GUIDELINES PROVIDED WITHIN.

## 1. **PRE-USE INFORMATION**

This PIP® FR garment is UL certified, meaning it is compliant with NFPA 2112-2023 Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire.

Established in 1896, the National Fire Prevention Association (NFPA) is the leading advocate for fire prevention, and the global source for public safety codes, standards, research, training, education, outreach and advocacy, to minimize the risk and effects of fire. This standard outlines the appropriate performance requirements and testing methods for both FR fabric and FR garments, as well as the proper labeling and quality control requirements for FR manufacturers, that are necessary to be considered compliant with NFPA 2112-2023.

### a. **Safety Considerations**

This PIP® FR garment provides limited protection:

- ✓ During short durations of thermal exposure or flash fires
- ✓ In the event of an electrical arc flash

**IMPORTANT: DO NOT USE THIS GARMENT IF IT IS DAMAGED.**

### b. **Limitations of Use**

This PIP® FR garment does not provide protection against:

- ✗ Any extended exposure to direct flame or high heat
- ✗ Fire rescue or intended for emergency operations
- ✗ Exposure to radiological agents, biological agents, or hazardous materials

For maximum protection, flame resistant collars must be worn closed, and sleeves and cuffs must be worn down and secured. Be aware that additional garments or personal protective equipment (PPE) may be required for complete protection.

Do not use this garment if it is soiled, damaged, or contaminated. Ensure that you clean this garment in accordance with the guidelines contained in this document. Please contact customer service if you have any questions.

**WARNING: ENSURE YOU ARE TRAINED IN RECOGNIZING THE HAZARDS WITHIN YOUR TRADE. EVEN WHEN USED AS DIRECTED, THIS GARMENT DOES NOT, UNDER ALL CIRCUMSTANCES, OFFER BURN INJURY PROTECTION OR PREVENT EXPOSURE TO HAZARDS. NOT UNDERSTANDING THE LIMITATIONS OF THIS GARMENT MAY RESULT IN A SERIOUS INJURY AND/OR DEATH.**

**c. Marking Recommendations and Restrictions**

The application of non-flame or non-heat resistant emblems (patches, embroidery, silkscreens, heat transfers, etc.) to the garment may compromise garment safety and should be avoided where possible. If used, the size should not exceed that of a credit card.

When marking your garment, ensure you:

- ▶ Use an industrial laundry marker and mark the inside only
- ▶ Do not mark through certification markings
- ▶ Do not remove any safety or cleaning labels

**d. Warranty Information**

All PIP FR garments are covered by a limited warranty from date of purchase. Please refer to the PIP Warranty Information laid out in the PIP Printed Price List for further information. You must follow all care requirements for laundering. Garments must be clean and properly maintained and repaired. Garment warranty does not extend to neglect, abuse, normal wear/tear or exposure to substances or hazards for which the garments are not intended.

**2. PREPARATIONS FOR USE**

**a. Sizing / Adjustment**

Size selection should maximize the function of the wearer without impeding upon movement. It should not be tight or loose. Significant alterations to the garment are not permitted as the protective qualities of the garment may be compromised.

**THIS SIZING CHART INDICATES THE RANGE OF KEY WEARER MEASUREMENTS THAT ARE ACCOMMODATED BY EACH SPECIFIC SIZE OF GARMENT, SHROUD/HOOD/BALACLAVA, GLOVE OR RAINWEAR.**

For accurate sizing, refer to the charts below. Garments should not impede upon movement or be too loose or too tight to ensure wearer comfort and safety.

**SIZE AND FIT GUIDE**

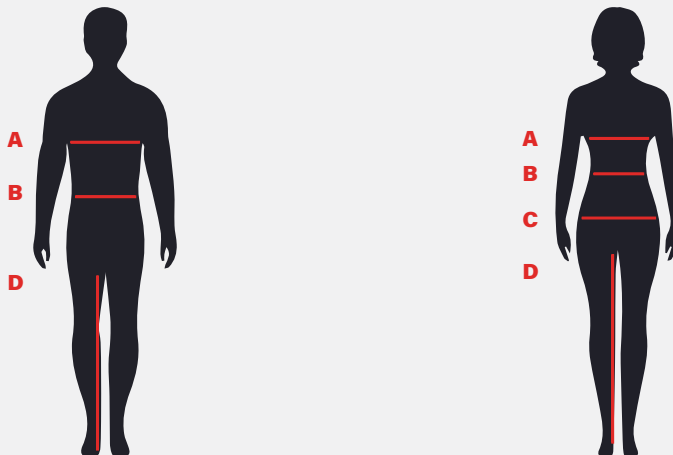
How To Measure

**CHEST (A):** Standing naturally, measure around the fullest part of the chest and shoulder, under the arms with your arms at resting position.

**WAIST (B):** Measure over undergarments at the natural waistline (usually approx. 0.4in below the navel).

**HIP (C):** Measure over undergarments at hips (usually the widest part and is approx. 25cm below the waistline).

**INSEAM (D):** Measure from crotch to floor, with shoes.



## Sizing Charts

### MEN'S

#### SHIRTS

Recommended size	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
<b>CHEST</b>	35	38	41	44.5	47.5	50.5	54	57	60

#### OUTERWEAR AND THERMAL TOPS

Recommended size	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
<b>CHEST</b>	36	38	40	42	44	46	48	50	52

#### PANTS AND THERMAL BOTTOMS (All Bottoms)

Recommended size	30	32	34	36	38	40	42	44	46	48	50	52
<b>WAIST</b>	30	32	34	36	38	40	42	44	46	48	50	52

(Garment in-leg length 30", 32" and 34" available in all sizes)

#### OVERALLS, COVERALLS, AND BIBS

Recommended size	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
<b>CHEST</b>	36	38	40	42	44	46	48	50	52
<b>WAIST</b>	32	34	36	38	40	42	44	46	48
<b>IN-LEG</b>	30	30	30	30	30	30	30	30	30

### WOMEN'S

#### SHIRTS, OUTERWEAR AND THERMAL TOPS

Recommended size	XS	S	M	L	XL	2XL	3XL	4XL	5XL
<b>BUST</b>	33.5	35.5	37.5	39.5	41.5	43.5	45.5	47.5	49

#### PANTS AND THERMAL BOTTOMS (All Bottoms)

Recommended size	2	4	6	8	10	12	14	16	18	20	22	24
<b>WAIST</b>	23.5	25.5	27.5	29.5	31.5	33.5	35.5	37.5	39.5	41.5	43.5	45.5
<b>HIP</b>	34	36	38	40	42	44	46	48	50	52	54	56

Garment in-leg length 29.5" (Short), 31.5" (Regular) and 33.5" (Tall) available in all sizes

#### OVERALLS, COVERALLS, AND BIBS

Recommended size	XS	S	M	L	XL	2XL	3XL	4XL	5XL
<b>BUST</b>	33.5	35.5	37.5	39.5	41.5	43.5	45.5	47.5	49
<b>WAIST</b>	25.5	27.5	29.5	31.5	33.5	35.5	37.5	39.5	41.5
<b>HIP</b>	36	38	40	42	44	46	48	50	52
<b>IN-LEG</b>	29	30	31	31	31	31	31	31	31

Available in coveralls and bibs.

**NOTE:** if your chest and/or waist measurement falls between sizes, choose the larger size.

### b. Recommended Storage Practices

Garments should be appropriately cleaned before storing in a cool, dry environment and away from direct light.

### **3. INSPECTION FREQUENCY AND DETAILS**

Conduct visual inspections regularly.

Ensure that:

- ▶ All components (e.g., buttons, snaps, shanks, zippers, buckles, hook & loop, etc.) are checked.
- ▶ Any garment showing damage or defects is removed from service until it is repaired or replaced.

### **4. DONNING AND DOFFING PROCEDURES**

**DONNING** - THE ACT OF PUTTING ON A GARMENT

**DOFFING** - THE ACT OF REMOVING A GARMENT

To wear this garment correctly ensure:

- ▶ Sleeves are rolled down and cuffs closed
- ▶ Front closures are fully engaged, protecting the neck
- ▶ Shirt tails are tucked in

### **5. PROPER USE CONSISTENT WITH NFPA 2113**

For further information, refer to NFPA 2113, Standard on Selection, Care, Use and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire.

### **6. MAINTENANCE AND CLEANING**

Proper care, maintenance, and cleaning is critical to ensuring optimal performance, protection, and life expectancy of your PIP® FR garment. Failure to follow the provided care instructions may defect the properties of the garment and increase the risk for injury, as well as invalidate all warranties expressed here within.

#### **a. Cleaning Instructions and Precautions**

This garment should be cleaned after every wear according to the instructions on the label. Only synthetic detergents should be used on this FR garment. Do not use bleach, starch, fabric softeners or detergents containing hydrogen peroxide on this garment as they could negatively affect the flame-resistant properties.



To maximize FR protection, garments must be kept clean. Residual contaminants, especially petroleum-based substances, can compromise flame resistance. Any garment that is heavily soiled or emits a petroleum-like odor should be removed from service and properly cleaned before reuse.

#### **b. Maintenance Criteria and Methods of Repair**

If this garment becomes damaged, it should be repaired by an experienced service provider using fabric and findings equal to that used in the original construction of the garment.

Significant alterations to the garment are not permitted as the protective qualities of the garment may be compromised.

### **7. RETIREMENT AND DISPOSAL CRITERIA**

Garments should be retired when a serious defect is found, such as open seams, broken closures, tears, or other visible damages.

If the garment cannot be correctly repaired or adequately cleaned, it should be removed from service. Dispose of garment properly and in accordance with local regulations.