

PRODUCT ^{V5a} CATALOGUE





ABOUT NCC APPAREL

ESTABLISHED IN 1997, NCC APPAREL IS AN AUSTRALIAN-OWNED FAMILY BUSINESS DEDICATED TO PROVIDING APPAREL TO AUSTRALIAN AND NEW ZEALAND SERVICE INDUSTRIES. WHILE OUR HERITAGE MAY STRETCH ACROSS SEVERAL GENERATIONS, OUR GARMENTS COMBINE MODERN TECHNOLOGY WITH HIGHLY ENGINEERED WORKWEAR THAT OFFERS LASTING COMFORT AND PROTECTION TO THE WEARER.

We have spent many years developing our designs to ensure every pattern is cut and stitched to last and live up to the demands of the most rigorous jobs. We take pride in offering innovative clothing solutions to a vast array of industries such as HOSPITALITY, MEDICAL, AGED CARE, CONSTRUCTION, INFRASTRUCTURE, OIL, GAS AND MINING INDUSTRIES. We also offer a wide range of FIRE-RETARDANT CLOTHING including WILDLAND FIREFIGHTING ENSEMBLES offering the latest technology in fabrics and trims.

nccapparel.com.au



OUR DESIGN CAPABILITIES

We have our own team of passionate inhouse Designers and Product Developers with collective experience of over 100 years in garment manufacturing and designing. NCC is an ISO 9001 Certified company with Technical Staff who are fully versed with Australian and New Zealand Standards. We use well-respected and recognized external Testing Laboratories to test all our fabrics and trims to ensure they meet the AS/NZS Quality Standards. Our experienced Technicians are happy to assist you in selecting the most suitable product specific to your industry.



MISSION STATEMENT

At NCC Apparel we strive to deliver high quality and functional workwear garments to our customers at the most competitive price in the right style, colour, size and fit complemented with exceptional service.

"WE BELIEVE IN DELIVERING FOR OUR CUSTOMERS"



CUSTOM MADE GARMENTS

Our team can be involved in all aspects of the design and development from customer design brief to final customer sign-off thus making for the best quality outcome for our customers.

We are always happy to provide advice to our customers on fabrics and design of their garments to suit any specific purpose be it for Hospitality, Medical, Industrial or Fire-Retardant Clothing.



EMPLOYEES ARE OUR MOST IMPORTANT ASSET

We regard employees as our Brand Ambassadors. It is through the hard work of our staff and management that allows us to bring to our customers innovative products and services at "value for money". At NCC we believe in investing in our people so we can provide the best possible service to our customers. Trained, Loyal and Passionate Workforce is an intangible asset that is not visible in the Balance Sheet of any business. Most businesses fail to recognise this, but we don't.

ETHICAL VALUES

NCC Apparel has strict Ethical Policies that we enforce upon all our suppliers and service-providers. We are committed to acting ethically and responsibly in all areas of our operation, consequently NCC Apparel has developed a Supplier Code of Conduct which forms the basis of all decisions and actions taken with regards to our supply chain:

- › Wages and benefits must be paid according to regulation
- › No Harassment or bullying within the workplace
- › No Child Labor
- › No Forced, Involuntary or Prison Labor
- › Zero tolerance to any form of discrimination in the workplace
- › Safe and hygienic working conditions must be provided to all workers

NCC recognises the importance in our society of increasing the economic growth of Aboriginal businesses. We are committed to ensuring that Aboriginal businesses are part of our supply chain and will always be happy to provide opportunities for them to participate in our procurement activities.

SUSTAINABILITY

NCC Apparel takes sustainability very seriously. We believe in meeting our own needs without compromising the ability of future generations to meet their own needs. NCC is committed to protecting our environment and provide quality to our lives and future generations.



Using recycled paper and plastic.



Using renewable, sustainable, and recycled materials in the manufacture of our garments.



Garment recycling programs with a focus on the reduction of landfill.



Using specialised services for recycling E-Waste.



We select our suppliers and service providers who share the same view on Sustainability.

FABRIC & MATERIAL SPECIFICATIONS

PERFORMANCE


SUN PROTECTION
UPF RATING 50+
AS/NZ 4399:2017

Our garments provide UPF 50+ UV protection compliant with AS/NZ 4399:2017.


PROTECTIVE CLOTHING FOR
WILDLANDS FIREFIGHTERS
AS/NZS 4824:2006

Garments specifically designed and certified to provide protection against wildland fires.


BIOMOTION

Biomotion, is the perceptual phenomenon in which highlighting the major joints of the body significantly increases recognition of the human form. By taking advantage of biomotion, clothing garments can increase visibility.


HI VIS GARMENT
DAY ONLY
AS/NZS 4602.1:2011

Class D garments are suitable for day use only and consist of High Visibility fabric. These garments provide no High Visibility protection at night. Background fabric complies with AS/NZS 1906.4:2010 High-Visibility materials for safety garments.


HI VIS GARMENT
DAY AND NIGHT
AS/NZS 4602.1:2011

Class D/N garments are suitable for either day or night use and consist of both High Visibility fabric and reflective tape. Both components comply with AS/NZS 1906.4:2010 High-Visibility materials for safety garments.


HI VIS GARMENT
NIGHT ONLY
AS/NZS 4602.1:2011

Class N garments are suitable for night use only. Reflective tape complies with AS/NZS 1906.4:2010 High-Visibility materials for safety garments.

FABRIC


WICKING

Wicking fabric yarns have inbuilt technology that wicks moisture away from skin to the outside, keeping you dry.


STAY COOL

Wicking fabrics consist of a mesh knit construction that will keep the wearer cool and comfortable on warm days or when they're active.


WARM

Garments that are designed to keep you warm.


WATER RESISTANT

These fabrics have a water resistant woven outer layer and PU coated inner layer that is engineered especially to be water resistant.


WINDPROOF

Fabrics are 100% Windproof. PU Coating acts against wind penetration, removing the chill factor.


RAIL COMPLIANT

Garments specifically designed to provide protection for rail networks. They fully conform to national standards. Refer to the individual style features to determine which rail network is most appropriate.


COTTON

Cotton fabrics are highly absorbent, easy to handle and durable.


SNAG RESISTANT

Fabric specifically designed to potentially minimise the affects of incidental snagging during the laundering process.


STRETCH

The fabric is designed to stretch with your every move without compromising on the functional design of the garment.


ANTI-STATIC

Antistatic fabrics are designed to prevent Electrostatic Discharge effect when working with electronics, high-explosive vapours or super-clean lab works. Uncontrolled release from static build-up is a potential hazard in many industries. Antistatic fabrics have been specifically developed to provide the very best static control against incendiary spark, electronic equipment damage and facilitates the elimination of electrostatic charges from the surface of the fabric.

FABRIC & MATERIAL SPECIFICATIONS

FR


ATPV RATING
STANDARD IEC 61482-1-1:2019

Garments depicting this icon are a Hazard Risk Categories 2 or Personal Protection Equipment Class 2 (PPE2) and have an Arc Thermal Protection Value equal too or greater than 8cal/cm².


FR REFLECTIVE TAPE

FR-Silver Reflective tape offers excellent flame retardant protection.


LIMITED FLAME SPREAD
ISO 15025:2016 METHOD A
STANDARD ISO 11612:2015 A1

In the event of an incidental exposure to flame, the fabric will not ignite, create a hole or melt.


SMALL MOLTEN METAL SPLASH
ISO 11611:2015
STANDARD ISO 9150:1988

Able to withstand a minimum of 25 drops of small molten metal splash on the fabric.


RESISTANCE OF MATERIALS
TO PENETRATION BY LIQUID
EN 14325 REPELLENCY &
PENETRATION INDEX: 3
STANDARD EN
13034:2005+A1:2009

The fabric has a Class 3 repellency that is greater than 95%. Including Class 3 penetration that is less than 5% for at least four different types of liquid chemicals. Liquid chemicals: H₂SO₄ NaOH C₈H₁₀ C₄H₁₀O.


CHARGE DECAY
EN 1149-5:2018
STANDARD ISO 1149-3:2004
(METHOD 2, INDUCTION
CHARGING)

The time needed to dissipate a certain percentage of charge induced on the surface of material is less than 4 seconds.





WATER PENETRATION RESISTANCE

These fabrics have a water resistant woven outer layer and PU coated inner layer that is engineered especially to be water resistant.



AS/NZS1906.4:2010 HI VISIBILITY MATERIALS

This garment is suitable to be worn around high risk environments where the person needs to be seen at all times during times by personal using moving machinery and vehicles.



NENS 09

This is a guideline, not a standard. It is an industry-based document that has been set up by the Energy Network Association (ENA) and addresses a minimum performance level of clothing against electric arc hazards that may be encountered during the operation, construction and maintenance of electrical apparatus within the National Electrical Network Supply (NENS).



NFPA 2112

NFPA 2112 is intended to be referenced by those responsible of purchasing industrial FR work clothing. The standard provides a minimum requirement for personal protection when used in areas at any risk of short-duration thermal exposure from flash fire.



NFPA 70E®, STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE®.

The focus of NFPA 70E is more about protecting the employee who is put at risk of an injury from electrical hazards. It is a standard to help employees and employers address the right levels of safety within the workplace.

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FLAMEE

COMPLIANCE STARTS AT THE CORE OF EVERY ARC-RATED AND FLAME-RESISTANT GARMENT. IN OUR FLAMEBUSTER STOCK-SUPPORTED GARMENT RANGE WE USE THE HIGHEST QUALITY ADVANCED MATERIALS, EXPERTLY DESIGNED FOR A DYNAMIC MODERN WORKFORCE, AND ASSEMBLED USING ADVANCED TECHNOLOGIES TO DELIVER INNOVATIVE, FIT -FOR - PURPOSE, WEAR-FRIENDLY GARMENTS.



Operating in environments where the smallest details are crucial, we understand the importance of having the right tools for the job. That is why we place the highest level of care and attention to our Flamebuster

garments. NCC's Flamebuster range of Fire-Retardant clothing is especially designed for electrical, chemical, oil, gas, and mining industries. These industries have potential risk hazards such as incidental exposure to arc or flash fire. The potential risk of burns and other injuries in these industries are relatively high, and Flamebuster's fire-retardant clothing can protect your workers reduce the damage.

The fabrics used in our fire-retardant garments are resistant to flames and embers and are engineered

to be self-extinguishing. This means the fabric will not combust or burn if an incidental ignition occurs. This *feature will help to minimize the degree of burn injuries to the wearer. The flame-retardancy of the materials such as fabric, reflective tape and trims used in our Flamebuster range will last for the life of the garment, regardless of the laundering. Accordingly, our Flamebuster garments only utilize fully tested and accredited fabrics, raw materials and manufacturing process which can be produced upon request.

Our Wildland Fire Fighting ensembles use the latest technology in treated fabrics and are extensively used in Wildland Fire Fighting. These off the shelf ensembles come in two colours: Wildland GOLD and Wildland LIME.

Protecting your greatest asset your employees.

flamebuster.com.au

* It is important that FR garments are always maintained in a clean state. Avoid any combustible matter to be imbedded in the garment, such as grease, oil and petroleum-based liquids.

BUSTER

FLAMEBUSTER



FLAMEGUARD® FR FABRICS



FLAMEGUARD® SERIES OF FABRICS USED IN FLAMEBUSTER® GARMENT ARE OFFERED IN FR TREATED AND INHERENT STYLES. THEY ARE BREATHABLE FABRICS WITH A HIGHER UPF PROTECTION CATEGORY. ALL FLAMEGUARD® FABRICS ARE TESTED IN ACCORDANCE TO AUSTRALIAN AND INTERNATIONAL STANDARDS FOR PROTECTION AGAINST FIRE RELATED RISKS.

FLAMEGUARD® INHERENT FABRICS

- › Inherent FR fabrics are specifically engineered through means of Nano technology and fibres that are naturally FR.
- › They are light weight fabrics with strong characteristics.
- › Inherent FR fabrics help to protect the wearer from body burn around potentially high-risk environments fire hazards in the workplace.
- › It is applicable to end users most likely to be exposed to fire hazards in the industrial, electrical, emergency and firefighting industries.
- › Inherent FR fabrics are not harmful to the human skin.

FLAMEBUSTER® ARC FLASH PROTECTION



FLAMEBUSTER® GARMENTS ARE SPECIFICALLY DESIGNED FOR THE DEMANDS OF EVERYDAY WORKWEAR. THEY ARE HIGHLY VISIBLE FLAME RESISTANT (FR) GARMENTS THAT ARE TOUGH WEARING, WHILST NOT COMPROMISING ON SAFETY OR COMFORT.

International, Australian and New Zealand standards including guidelines, are an integral part of providing protection to the work force. Flamebuster® garments have been designed to meet and exceed those requirements without compromising on value, comfort and quality.

The garments deliver personal protection to workers against the devastating effects of flash fire or arc flash events. Including, incidental exposure to naked flames. The high visibility features ensure that workers are always clearly visible, whilst being suitable for anybody who needs access to the correct level of protection. This especially applies for workers who are potentially working with live electricity or gas.

Flamebuster® garments used for the protection against arc flash are made from an assortment of Flameguard® inherent FR fabrics with the option of treated FR fabric should the request arise.



LEVELS OF FR PROTECTION



NFPA 70E®, Standard for Electrical Safety in the Workplace®.

The focus of NFPA 70E is more about protecting the employee who is put at risk of an injury from electrical hazards. It is a standard to help employees and employers address the right levels of safety within the workplace.

Employers must therefore be knowledgeable of the requirements. We are providing a guide of what those levels of protection are and recommend employers to read and understand the actual requirements of NFPA 70E®, to ensure the appropriate level of safety is adopted.

Arc rated clothing that is designed for the protection against electrical hazards must have a High Risk Category (HRC) between 1 and 4. The higher the HRC the greater the protection.

High risk categories are determined through Arc Thermal Protection Values (ATPV), and those values define an Arc Rating. An arc rating is expressed in Calories/cm² (Cal/cm²).

The higher the Cal/cm² number, the greater the protection.

- > HRC1 = ATPV minimum 4 Cal/cm²
- > HRC2 = ATPV minimum 8 Cal/cm²
- > HRC3 = ATPV minimum 25 Cal/cm²
- > HRC4 = ATPV minimum 40 Cal/cm²



ENA NENS 09-2014 National Guideline for the Selection Use and Maintenance of Personal Protective Equipment for Electrical Arc Hazards.

This is a guideline, not a standard. It is an industry-based document that has been set up by the Energy Network Association (ENA) and addresses a minimum level of clothing against electric arc hazards that may be encountered during the operation, construction and maintenance of electrical apparatus within the National Electrical

Network Supply (NENS). ENA NENS 09-2014 is a guideline through a hierarchy of controls to assist employees and employers in making a knowledgeable decision of which clothing to select that provides the minimum level of protection against an arc flash event. It only applies to workers within the electricity supply industry who are required to work on or near low and high voltage electrical apparatus in Australia.

According to the guidelines garments which are considered as outer wear but may be worn in direct contact with the skin are base garments. A base garment is a coverall, a long-sleeved shirt and a trouser. The recommended minimum ATPV for base garments is 4 Cal/cm². HRC1 Employers will need to be knowledgeable of the requirements and study the actual requirements of NFPA 70E®, to ensure the appropriate level of safety is adopted for their employees.



NFPA 2112 Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire.

NFPA 2112 is intended to be referenced by those responsible of purchasing industrial FR work clothing. The standard provides a minimum requirement for personal protection when used in areas at

any risk of short-duration thermal exposure from flash fire. Therefore, employers must be knowledgeable of those requirements. We recommend employers to read NFPA 2112 standard, to ensure the appropriate garments are chosen.

It provides information about design, construction, evaluation, and certification of materials used in the manufacturing of FR garments. It is not intended to provide personal protection against wildland firefighting, technical rescue, structural firefighting, proximity firefighting, or any other firefighting operations or hazardous materials emergencies.



FLAMEBUSTER SHIRTS

FSU014A TORRENT HRC2 HI VIS REFLECTIVE SHIRT WITH GUSSET SLEEVES

FEATURES

- › Two front pockets with concealed heat resistant press studs
- › Full gusset sleeves with concealed heat resistant press stud
- › Left chest pocket with pen divide
- › Chest pockets with bellow at the hem
- › Concealed placket with urea buttons
- › Gas detector loops at shoulder
- › Twin needle stitching with reinforced stress points
- › Day/ night use
- › FR perforated reflective tape
- › Domestic wash
- › Garment complies AS/NZS 4602.1:2011
- › ATPV 8+ cal/cm2
- › HRC 2 inherent protection

FABRIC

- › Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- › XS - 6XL & 8XL

FABRIC & MATERIAL



Yellow/Navy

Orange/Navy

FSU015A TORRENT HRC2 HI VIS CLOSED FRONT REFLECTIVE SHIRT WITH GUSSET SLEEVES

FEATURES

- › Half placket front
- › Two front pockets with concealed heat resistant press studs
- › Full gusset sleeves with concealed heat resistant press stud
- › Left chest pocket with pen divide
- › Chest pockets with bellow at the hem
- › Concealed placket with urea buttons
- › Gas detector loops at shoulder
- › Twin needle stitching with reinforced stress points
- › Day/Night Use
- › FR perforated reflective tape
- › Domestic wash
- › Garment complies AS/NZS 4602.1:2011
- › ATPV 8+ cal/cm2
- › HRC 2 inherent protection
- › UPF 50+

FABRIC

- › Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- › XS - 6XL & 8XL

FABRIC & MATERIAL



Yellow/Navy

Orange/Navy

FLAMEBUSTER SHIRTS

FSU028A TORRENT HRC2 HI VIS REFLECTIVE SHIRT WITH X PATTERN AND GUSSET SLEEVES

FEATURES

- > Two front pockets with concealed heat resistant press studs
- > Full gusset sleeves with concealed heat resistant press stud
- > Left chest pocket with pen divide
- > Chest pockets with bellow at the hem
- > Concealed placket with urea buttons
- > Gas detector loops at shoulder
- > Twin needle stitching with reinforced stress points
- > Day/Night Use
- > FR perforated reflective tape
- > Domestic wash
- > Garment complies AS/NZS 4602.1:2011
- > ATPV 8+ cal/cm²
- > HRC 2 inherent protection
- > UPF 50+
- > Suitable NSW Rail

FABRIC

- > Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- > XS - 6XL & 8XL

FABRIC & MATERIAL



Orange

FSU031A TORRENT HRC2 HI VIS CLOSED FRONT REFLECTIVE SHIRT WITH X PATTERN AND GUSSET SLEEVES

FEATURES

- > Closed front placket
- > Two front pockets with concealed heat resistant press studs
- > Full gusset sleeves with concealed heat resistant press stud
- > Left chest pocket with pen divide
- > Chest pockets with bellow at the hem
- > Concealed placket with urea buttons
- > Gas detector loops at shoulder
- > Twin needle stitching with reinforced stress points
- > Day/ night use
- > FR perforated reflective tape
- > Domestic wash
- > Garment complies AS/NZS 4602.1:2011
- > ATPV 8+ cal/cm²
- > HRC 2 inherent protection
- > UPF 50+
- > Suitable NSW Rail

FABRIC

- > Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- > XS - 6XL & 8XL

FABRIC & MATERIAL



Orange

FLAMEBUSTER

SHIRTS & PANTS

FSV035

TORRENT HRC2 HI VIS REFLECTIVE SHIRT WITH GUSSET SLEEVES

FEATURES

- › Two front pockets with concealed heat resistant press studs
- › Full gusset sleeves with concealed heat resistant press stud
- › Left chest pocket with pen divide
- › Chest pockets with bellow at the hem
- › Concealed placket with urea buttons
- › Gas detector loops at shoulder
- › Twin needle stitching with reinforced stress points
- › Day/ night use
- › FR perforated reflective tape
- › Domestic wash
- › Garment complies AS/NZS 4602.1:2011
- › ATPV 8+ cal/cm²
- › HRC 2 inherent protection

FABRIC

- › Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- › XS - 6XL & 8XL

FABRIC & MATERIAL



Orange



FLAMEBUSTER

FPU017

TORRENT HRC2 REFLECTIVE CARGO TROUSER

FEATURES

- › Front angled pockets
- › Cargo pockets at hips and side thigh
- › Heat resistant button at the center front
- › Gusseted crotch
- › All plastic fly zipper
- › Darted knees for better movement
- › Belt loops
- › FR perforated reflective tape
- › Reinforced stress points
- › Domestic wash
- › ATPV 8+ cal/cm²

FABRIC

- › Modacrylic, Cotton, Para-aramid, Nylon, Anti-static, 240 gsm Ripstop

SIZE

- › 77R - 112R
- › 87ST - 132ST

FABRIC & MATERIAL



Navy



FLAMEBUSTER TROUSERS

FPV018 TORRENT HRC2 REFLECTIVE STRAIGHT LEG TROUSER

FEATURES

- > Front angled pockets
- > Heat resistant button at the center front
- > Gusseted crotch
- > All plastic fly zipper
- > Darted knees for better movement
- > Belt loops
- > FR perforated reflective tape
- > Reinforced stress points
- > ATPV 8+ cal/cm²
- > HRC 2 inherent protection

FABRIC

- > Modacrylic, Cotton, Para-aramid, Nylon, Anti-static, 240gsm Ripstop

SIZE

- > 77R - 112R
- > 87ST - 132ST

FABRIC & MATERIAL



Navy



FPV029 TORRENT HRC2 REFLECTIVE CARGO TROUSER WITH BIO-MOTION

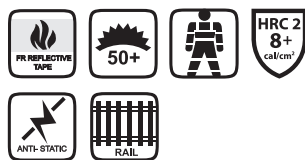
FEATURES

- > Front angled pockets
- > Cargo pockets at hips
- > Heat resistant button at the center front
- > Gusseted crotch
- > All plastic fly zipper
- > Darted knees for better movement
- > Belt loops
- > FR perforated reflective tape
- > Reinforced stress points
- > Domestic wash
- > Bio-motion technology
- > ATPV 8+ cal/cm²
- > HRC 2 inherent protection

SIZE

- > 77R - 112R
- > 87ST - 132ST

FABRIC & MATERIAL



Navy



FLAMEBUSTER COVERALLS

FCT005A TORRENT HRC2 HI VIS REFLECTIVE COVERALL

FEATURES

- > Concealed placket with two way zipper & button down heat resistant press studs
- > Two front pockets with concealed heat resistant press studs
- > Full gusset sleeves with concealed heat resistant press stud
- > Front angled pockets
- > Left chest pocket with pen divide
- > Cargo pockets at hips and thighs
- > Gas detector loops at shoulder
- > Danted knees for better movement
- > Twin needle stitching with reinforced stress points
- > Day/night use
- > FR perforated reflective tape
- > Domestic wash
- > Garment complies AS/NZS 4602.1:2011
- > ATPV 8+ cal/cm2
- > HRC 2 inherent protection

FABRIC

- > Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- > 77R - 117R
- > 87ST - 132ST

FABRIC & MATERIAL



Yellow/Navy



Orange/Navy

FLAMEBUSTER

FJU032

TORRENT HRC2
REFLECTIVE
WET WEATHER
3 IN 1 JACKET





FLAMEBUSTER JACKETS

FJV032

TORRENT HRC2 REFLECTIVE WET WEATHER 3 IN 1 JACKET

FEATURES - OUTER JACKET

- > Fully concealed heat resistant zip front with storm flap & press studs
- > Fully seam sealed Waterproof 13000mm
- > FR segmented reflective tape
- > Bio-motion configuration
- > Detachable hood with heat resistant cord and stopper & adjustable tab
- > Hood is secured at collar with concealed heat resistant press studs
- > 2 x gas loops at shoulder
- > RHS napoleon pocket with concealed heat resistant all plastic zip
- > Adjustable cuff tabs with FR hook and loop tape
- > Front patch pockets secured with flaps and with side hand warmer pockets
- > ID patch holder inside LHS hip pocket
- > LHS internal stuff pocket
- > Internal universal heat resistant zipper to attach optional FR fleece jacket
- > ATPV 8+cal/cm2
- > HRC 2 protection
- > UPF 50+
- > Day/night use

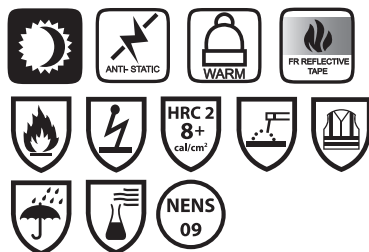
FABRIC - OUTER JACKET

- > Outer Layer: 98% Polyester 2% Carbon
- > Middle Layer: PU
- > Backing Layer: 60% Protex 40% Cotton

SIZE

- > XS-6XL & 8XL

FABRIC & MATERIAL



FEATURES - INNER JACKET

- > Heat resistant all plastic zip front
- > FR segmented reflective tape
- > FR knitted ribbed cuffs and hem
- > Contrast dirt panel at undersleeves
- > Side pockets
- > Fabric loops above cuffs and under collar to connect with optional jacket
- > Tightly knitted to help mitigate excessive pilling
- > LHS internal stuff pocket
- > CF zipper connects with options FR wet weather jacket
- > ATPV 8+cal/cm2
- > HRC 2 protection
- > UPF 50+
- > Day/night use

FABRIC - INNER JACKET

- > 60% Modacrylic, 39% Cotton, 1% AS, 300gsm



Yellow/Navy



Orange/Navy



Orange/Navy

FLAMEBUSTER JACKETS

FJU033

TORRENT HRC2 REFLECTIVE WET WEATHER JACKET

FEATURES

- > Fully concealed heat resistant zip front with storm flap & press studs
- > Fully seam sealed Waterproof 13000mm & Windproof
- > FR segmented reflective tape
- > Bio-motion configuration
- > Detachable hood with heat resistant cord and stopper & adjustable tab
- > Hood is secured at collar with concealed heat resistant press studs
- > 2 x gas loops at shoulder
- > RHS napoleon pocket with concealed heat resistant all plastic zip
- > Adjustable cuff tabs with FR hook and loop tape
- > Front patch pockets secured with flaps and with side hand warmer pockets
- > ID patch holder inside LHS hip pocket
- > LHS internal stuff pocket
- > Internal universal heat resistant zipper to attach optional FR fleece jacket
- > ATPV 8+cal/cm2
- > HRC 2 inherent protection
- > UPF 50+
- > Day/night use

FABRIC

- > Outer Layer: 98% Polyester 2% Carbon
- > Middle Layer: PU
- > Backing Layer: 60% Protex 40% Cotton

SIZE

- > XS-6XL & 8XL

FABRIC & MATERIAL



Yellow/Navy

Orange/Navy

FJU034

TORRENT HRC2 REFLECTIVE FLEECE

FEATURES

- > Heat resistant all plastic zip front
- > FR segmented reflective tape
- > FR knitted ribbed cuffs and hem
- > Contrast dirt panels
- > Side pockets
- > Fabric loops above cuffs and under collar to connect with optional jacket
- > Tightly knitted to help mitigate excessive pilling
- > LHS internal stuff pocket
- > CF zipper connects with options FR wet weather jacket
- > ATPV 8+cal/cm2
- > HRC 2 protection
- > UPF 50+
- > Day/night use

FABRIC

- > 60% Modacrylic, 39% Cotton, 1% AS, 300gsm

SIZE

- > XS-6XL & 8XL

FABRIC & MATERIAL



Yellow/Navy

Orange/Navy



FLAMEBUSTER WOMENS

FSL016A TORRENT HRC2 WOMENS HI VIS REFLECTIVE SHIRT WITH GUSSET SLEEVES

FEATURES

- > Two front pockets with concealed heat resistant press studs
- > Full gusset sleeves with concealed heat resistant press stud
- > Left chest pocket with pen divide
- > Chest pockets with bellow at the hem
- > Concealed placket with urea buttons
- > Gas detector loops at shoulder
- > Twin needle stitching with reinforced stress points
- > Day/Night Use
- > FR perforated reflective tape
- > Domestic wash
- > Garment complies AS/NZS 4602.1:2011
- > ATPV 8+ cal/cm2
- > HRC 2 inherent protection
- > UPF 50+

FABRIC

- > Moda-acrylic, Cotton, Para-Aramid, Nylon, AS 195gsm

SIZE

- > 6 - 24

FABRIC & MATERIAL



Yellow/Navy

Orange/Navy

FPL019 TORRENT HRC2 WOMENS REFLECTIVE CARGO PANT

FEATURES

- > Front angled pockets
- > Cargo pockets at hips
- > Heat resistant button at the center front
- > All plastic fly zipper
- > Darted knees for better movement
- > Belt loops
- > FR perforated reflective tape
- > Reinforced stress points
- > ATPV 8+ cal/cm2
- > HRC 2 inherent protection

FABRIC

- > Modacrylic, Cotton, Para-aramid, Nylon, Anti-static, 240 gsm Ripstop

SIZE

- > 6 - 24

FABRIC & MATERIAL



Navy



FLAMEBUSTER

JACKETS & TROUSERS

FWPJ105

RANGER REFLECTIVE FIRE - FIGHTING JACKET

FEATURES

- › Shaped stand up collar with FR Hook and Loop closure
- › LHS Radio loop with continuous bartack for better durability
- › RHS Mobile phone chest pocket
- › Press stud closure
- › Silver FR reflective tape
- › Front lower bellow cargo pockets with flap & drainage holes
- › Adjustable tabs at sleeves
- › UPF 50+
- › Garment is certified to AS/NZ 4824:2006

FABRIC

- › Treated Proban 100% Cotton drill 320gsm

SIZE

- › 3XS - 6XL

FABRIC & MATERIAL



Lime Yellow

FWPP106

RANGER REFLECTIVE FIRE - FIGHTING TROUSER

FEATURES

- › Concealed elastic waist band with internal drawcord and centre front press stud closure
- › Internal access pockets with FR hook and loop closure
- › Side bellow cargo pockets with flap closure and drainage holes
- › Silver FR reflective tape
- › Twin press stud closure at hem
- › UPF 50+
- › Garment is certified to AS/NZ 4824:2006

FABRIC

- › Treated Proban 100% Cotton drill 320gsm

SIZE

- › REG 3XS - 6XL
- › ST M - 6XL

FABRIC & MATERIAL



Lime Yellow

FLAMEBUSTER

JACKETS & TROUSERS

FWPJ107

WILDLANDER REFLECTIVE FIRE - FIGHTING JACKET

FEATURES

- > Shaped stand up collar with FR Hook and Loop closure
- > LHS radio loop with continuous bartack for better durability
- > RHS mobile phone chest pocket
- > Press stud closure
- > FR triple trim perforated reflective tape
- > Bio-motion
- > Front lower bellow cargo pockets with flap & drainage holes
- > Adjustable tabs at sleeves
- > UPF 50+
- > Garment is certified to AS/NZ 4824:2006
- > Garment complies to to AS/NZ 4602.2:2013 Class 2

FABRIC

- > Treated Proban 100% Cotton drill 320gsm

SIZE

- > 3XS - 6XL

FABRIC & MATERIAL



Gold

FWPP108

WILDLANDER REFLECTIVE FIRE - FIGHTING TROUSER

FEATURES

- > Concealed elastic waist band with internal drawcord and CF press stud closure
- > Internal access pockets with FR hook and loop closure
- > Side bellow cargo pockets with flap closure and drainage holes
- > FR triple trim perforated reflective tape
- > Twin press stud closure at hem
- > UPF 50+
- > Garment is certified to AS/NZ 4824:2006
- > Garment complies to to AS/NZ 4602.2:2013 Class 2

FABRIC

- > Treated Proban 100% Cotton drill 320gsm

SIZE

- > REG 3XS - 6XL

FABRIC & MATERIAL



Gold



**Flame
Buster®**

JACKETS & TROUSERS



MEASUREMENT CHART

MEN'S SHIRTS, POLOS, OUTERWEAR - FLEECIES, JACKET, WET WEATHER JACKET & FREEZERWEAR JACKET

SIZE	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL	8XL
TO FIT NECK	34/35	36/37	38/39	41/42	43/44	46/47	48/49	51/52	53/54	55/56	59/60
TO FIT CHEST	87	92	97	102	107	112	117	122-127	132-137	142-147	162-167

TROUSERS, SHORTS (REGULAR)

SIZE	67R	72R	77R	82R	87R	92R	97R	102R	107R	112R	117R	122R
TO FIT CHEST	77	82	87	92	97	102	107	112	117	122	127	132
WAIST	67	72	77	82	87	92	97	102	107	112	117	122
INLEG	70	73	76	79	81	83	84	85	86	86	87	87

TROUSERS, SHORTS (STOUT)

SIZE	87ST	92ST	97ST	102ST	107ST	112ST	117ST	122ST	127ST	132ST
TO FIT CHEST	97	102	107	112	117	122	127	132	137	142
WAIST	87	92	97	102	107	112	117	122	127	132
INLEG	71	74	76	78	81	82	82	84	85	85

TROUSERS (LONG)

SIZE	74L	79L	84L	89L	94L
TO FIT CHEST	87	92	97	102	107
WAIST	74	79	84	89	94
INLEG	82	82	85	87	89

COVERALLS & ROUGHALLS (REGULAR)

SIZE	67R	72R	77R	82R	87R	92R	97R	102R	107R	112R	117R	122R
TO FIT CHEST	77	82	87	92	97	102	107	112	117	122	127	132
INLEG	73	77	77	78	78	83	84	86	88	88	90	90

COVERALLS & ROUGHALLS (STOUT)

SIZE	87ST	92ST	97ST	102ST	107ST	112ST	117ST	122ST	127ST	132ST
TO FIT CHEST	97	102	107	112	117	122	127	132	137	142
INLEG	74	74	75	77	79	82	83	83	85	87

COVERALLS & ROUGHALLS (LONG)

SIZE	74L	79L	84L	89L	94L
TO FIT CHEST	87	92	97	102	107
INLEG	84	85	88	90	92

UNISEX ELASTIC PANTS											
STOCK SIZE	2XS	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
WOMENS EQUIVALENT SIZES	6-8	10	12	14-16	18-20	22-24	26-28	30-32	34-36	38-40	42-44
TO FIT WAIST	62-67	72	77	82-87	92-97	102-107	112-117	122-127	132-137	142-147	152-157
INLEG	74	75	76	77	78	79	80	81	81	81	81

VEST											
SIZE	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL	8XL
TO FIT CHEST	87	92	97	102	107	112	117	122-127	132-137	142	147-152

HEADWEAR - HATS & CAPS					
SIZE	XS	S	M	L	XL
TO FIT HEAD	54	56	58	60	62

WOMENS SHIRTS AND PANTS										
SIZE	6	8	10	12	14	16	18	20	22	24
TO FIT BUST	80	85	90	95	100	105	110	115	120	125
TO FIT WAIST	62	67	72	77	82	87	92	97	102	107
LOW WAIST (4CM BELOW NATURAL WAISTLINE)	69	74	79	84	89	94	99	104	109	114
"HIP (20CM BELOW WAISTLINE)"	87	92	97	102	107	112	117	122	127	132

MATERNITY SHIRTS AND PANTS										
SIZE	6	8	10	12	14	16	18	20	22	24
TO FIT BUST	85	90	95	100	105	110	115	120	125	130
TO FIT UNDER BELLY	74	79	84	89	94	99	104	109	114	119
TO FIT HIP	92	97	102	107	112	117	122	127	132	137

FLAMEBUSTER WOMENS SHIRTS AND PANTS										
SIZE	6	8	10	12	14	16	18	20	22	24
TO FIT BUST	80	85	90	95	100	105	110	115	120	125-130
TO FIT WAIST	62	67	72	77	82	87	92	97-102	107-112	117
LOW WAIST (4CM BELOW NATURAL WAISTLINE)	69	74	79	84	89	94	99	104-109	109-114	124
"HIP (20CM BELOW WAISTLINE)"	87	92	97	102	107	112	117	122-127	132-137	142

WOMENS HOSPITALITY JACKETS & PHARMACY/ DENTIST JACKETS										
SIZE	6	8	10	12	14	16	18	20	22	24
TO FIT BUST	80	85	90	95	100	105	110	115	120	125
TO FIT WAIST	62	67	72	77	82	87	92	97	102	107
HIP (20CM BELOW WAISTLINE)	87	92	97	102	107	112	117	122	127	132

MEASUREMENT CHART

KID'S VEST				
SIZE	0-2	4-6	8-10	12-14
TO FIT CHEST	54-59	60-66	67-74	75-80

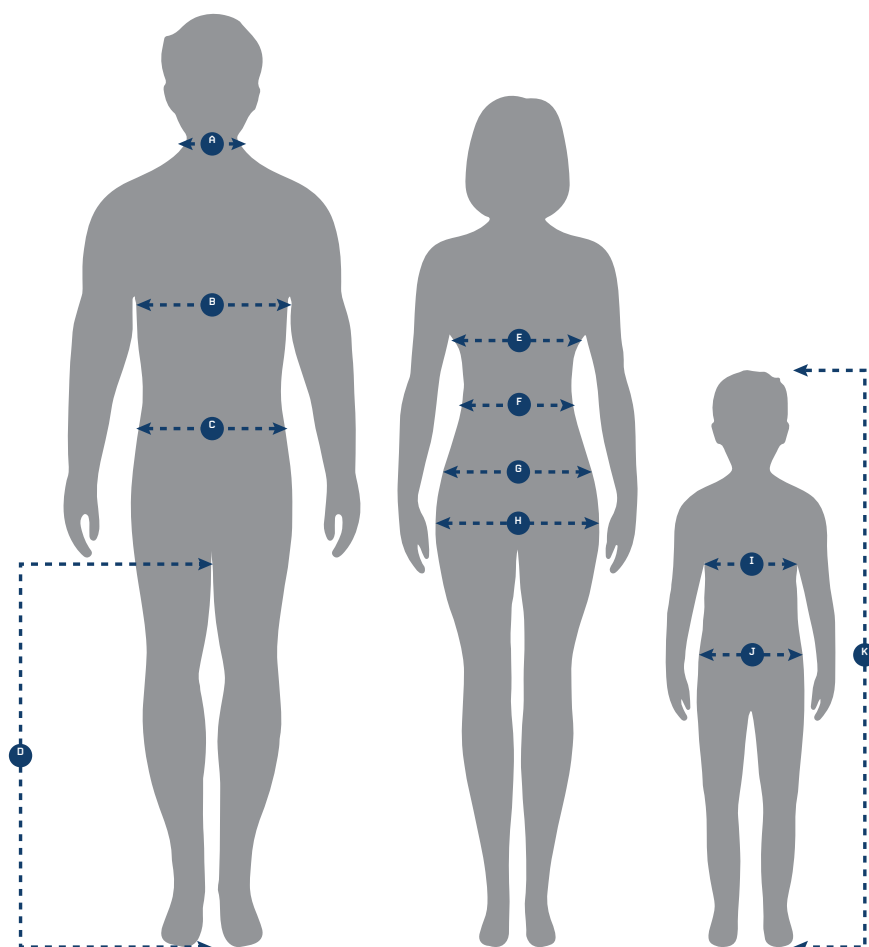
KID'S GOWN			
SIZE	S	L	2XL
AGE GROUP	0-4	5-12	13+
TO FIT CHEST	48-60	61-80	81+

KID'S PAJAMAS			
SIZE	S	M	L
AGE GROUP	1-3	4-6	8-10
TO FIT CHEST	52-56	58-68	72-82

FLAMEBUSTER WILDLAND FIRE - FIGHTING JACKET												
SIZE	3XS	2XS	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
TO FIT CHEST	77	82	87	92	97	102	107	112	117	122	127	132

FLAMEBUSTER WILDLAND FIRE - FIGHTING TROUSER (REGULAR)												
SIZE	3XS	2XS	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
TO FIT WAIST	57	62	67	72-77	82-87	92-97	102-107	112-117	122-127	132-137	142-147	152-157
INLEG	78	78	78	79	80	81	82	82	82	82	82	83

FLAMEBUSTER WILDLAND FIRE - FIGHTING TROUSER (STOUT)								
SIZE	M	L	XL	2XL	3XL	4XL	5XL	6XL
SIZE	82-87	92-97	102-107	112-117	122-127	132-137	142-147	152-157
TO FIT WAIST	75	76	77	77	77	77	77	78
INLEG	78	78	78	79	80	81	82	82



HOW TO MEASURE YOURSELF

* ALL MEASUREMENTS ARE BODY MEASUREMENTS IN CM AND PROVIDED AS A GUIDE ONLY.

* CHECK CATALOGUE STYLES FOR AVAILABLE SIZES

All information in this catalogue is intended to be true and correct at time of print. However, in the course of time, unforeseen changes may occur which may result in information being out of date. For up to date information, please contact your sales representative for more information.

MALE/UNISEX

A - NECK

Measure around your neck at collar level. Keep one finger between the measuring tape and neck.

B - CHEST

Standing naturally, measure around the fullest part of the chest, keeping the tape at under arm level. Keep one finger between tape and body.

C - WAIST

Measure around waist keeping one finger between tape and body. Measure at the navel.

D - INLEG

Measure the inside leg from the crotch to top of the heel of the shoe.

MEASURING TIPS

- > The above measurements are relating to body measurements in centimeters. These are not garment measurements.
- > For best results, ask someone to measure you with a tape measure. Keep the tape tight but not stretched and follow the above instructions.

FEMALE

E - BUST

Standing naturally, measure around the fullest part of the chest / bust, keeping the tape at under arm level.

F - WAIST

Measure around the waist, placing one finger between tape and body. Measure above the navel, at the narrowest part of your waist.

G - LOW WAIST

Measure around the waist, placing one finger between tape and body. Measure 4cms below your navel.

H - HIPS

Standing naturally, measure around the fullest part of the hips. Keeping the tape level and straight. Placing one finger between tape and body.



Head Office

64-66 Cyber Loop
Dandenong South VIC 3175

(03) 8689 9100
info@nccapparel.com.au

nccapparel.com.au