



**FLAME
RESISTANT WEAR**

**SUPERIOR
ARC AND
FLASH FIRE
SAFETY**

755



FR-TECH™

SAFETY UNCOMPROMISED
Highest rated flame resistant apparel to
protect Canadian workers on the job

Superior flame resistance and arc flash protection

NEW FROM PIONEER

FR-Tech™ premium materials have been developed and tested by Pioneer to provide superior flame resistance, flash fire and arc flash protection, and are designed especially for the needs of Canadian workers.

What is a Flash Fire?

CGSB 155.20-2000 defines flash fire as “A rapidly moving flame front which can be a combustion explosion. Flash fire may occur in an environment where fuel and air become mixed in adequate concentrations to combust and where all sources of ignition have not been controlled. Hydrocarbon flash fire has a heat flux of approximately 84 kW/m² for relatively short periods of time, typically three seconds or less.” (CGSB) and “A fire that spreads by means of a flame front rapidly through a diffuse fuel, such as dust, gas, or the vapors of an ignitable liquid, without the production of damaging pressure.” (NFPA) Such conditions are a threat in the petrochemical, chemical, oil and gas industries. Non-FR clothing worn in these industries or related service industries can add to worker injuries by providing further fuel that could ignite in the flash fire to cause further wearer injuries. FR-Tech™ fabrics provide superior protection from flash fire.

What is TPP?

TPP (Thermal Protective Performance): Fabrics are tested with thermal energy to determine the level of energy needed to cause a second-degree burn injury. To pass *CGSB 155.20-2000* standards, a single-layer garment must have a minimum TPP value of 6. The higher the TPP value, the better the protection.

Pioneer FR-Tech™ garments exceed the criteria specified in the *CGSB 155.20-2000* standard for TPP values, both in spacer and contact tests.

ARC/HRC	ATPV
Class 1	Min. 4 cal/cm ²
Class 2	Min. 8 cal/cm ²
Class 3	Min. 25 cal/cm ²
Class 4	Min. 40 cal/cm ²

What are ARC and ATPV?

ARC (Arc Rated Category) is a rating indicating the electric arc resistance

of a garment. The material is tested to determine the *ATPV (Arc Thermal Protective Value)*, which is the incident energy on a material or several layers of material resulting in a 50% chance of sufficient heat passing through said material(s) to cause a second-degree burn. The chart above shows the ATPV level required for each ARC class level.

Other FR Standards:

ASTM F1506-10a – Standard Performance Specification for Textile Material for Wearing Apparel for Use by Electrical Workers exposed to Momentary Electric Arc and Related Thermal Hazards. Testing includes flame resistance (25 washes), arc rating, tear resistance, breaking strength, seam slippage, colourfastness, and laundering shrinkage.

The *ASTM 1506-10a* standard is referenced by the Canadian Electric Arc Standard *CSA Z462-15* and by *NFPA 70E-2015*. By passing the tests specified in the *ASTM 1506-10a* standard criteria, Pioneer FR-Tech™ garments meet *CSA Z462-15* and *NFPA-70E* arc requirements.

NFPA 2112 – 2012 Standard on Flame Resistant Garments for Protection of Industrial Personnel Against Flash Fire. Specifies the minimum design, performance, certification and testing requirements for flame-resistant fabric and garments for use in areas at risk from flash fires. Testing includes flame resistance (100 washes), heat transfer performance, heat resistance, thermal shrinkage, flash fire resistance (tested on manikin according to protocols specified in *ASTM 1930-13*), tensile strength, tearing strength, laundering shrinkage and colour fastness.

Features include:

- FR woven blend of 88% premium cotton and 12% high-tenacity nylon
- Combines the softness, breathability and comfort of cotton with the durability, strength and abrasion resistance of nylon
- Retains strength, FR and arc flash properties even after more than 100 washes
- Tested in independent Canadian labs to meet Canadian and international flame resistance and arc flash standards
- Flame resistance guaranteed for the life of the garment
- All componentry including zippers, reflective tape, thread and fasteners tested to FR standards
- Suitable for industrial wash

Understanding FR Standard

CGSB 155.20-2000

CGSB 155.20-2000 – Workwear for Protection Against Hydrocarbon Flash Fire. States the minimum requirements for performance of workwear worn for protection against unplanned exposure to hydrocarbon flash fire. Testing includes flame resistance (fabrics tested before and after wash/dry cycles), Thermal Protective Performance (TPP), heat resistance, and thermal shrinkage resistance. All components of the garments must meet required *CGSB 155.20-2000* standards, not only the outer shell material.

The standard categorizes FR garments into 3 different types:

TYPE 1 – Single-Layer

Pioneer example:

7700 88/12 COVERALL

Protective garment constructed from a single fabric.

Requirements include flame resistance before and after 50 washes, Thermal Protective Performance value of 6 or greater, heat resistance to 260°C, and thermal shrinkage of no more than 10%.

TYPE 2 – Multi-Layer

Pioneer example:

5523 WINTER PARKA

Protective garment consisting of outer shell fabric and inner lining fabric, and/or insulation material.

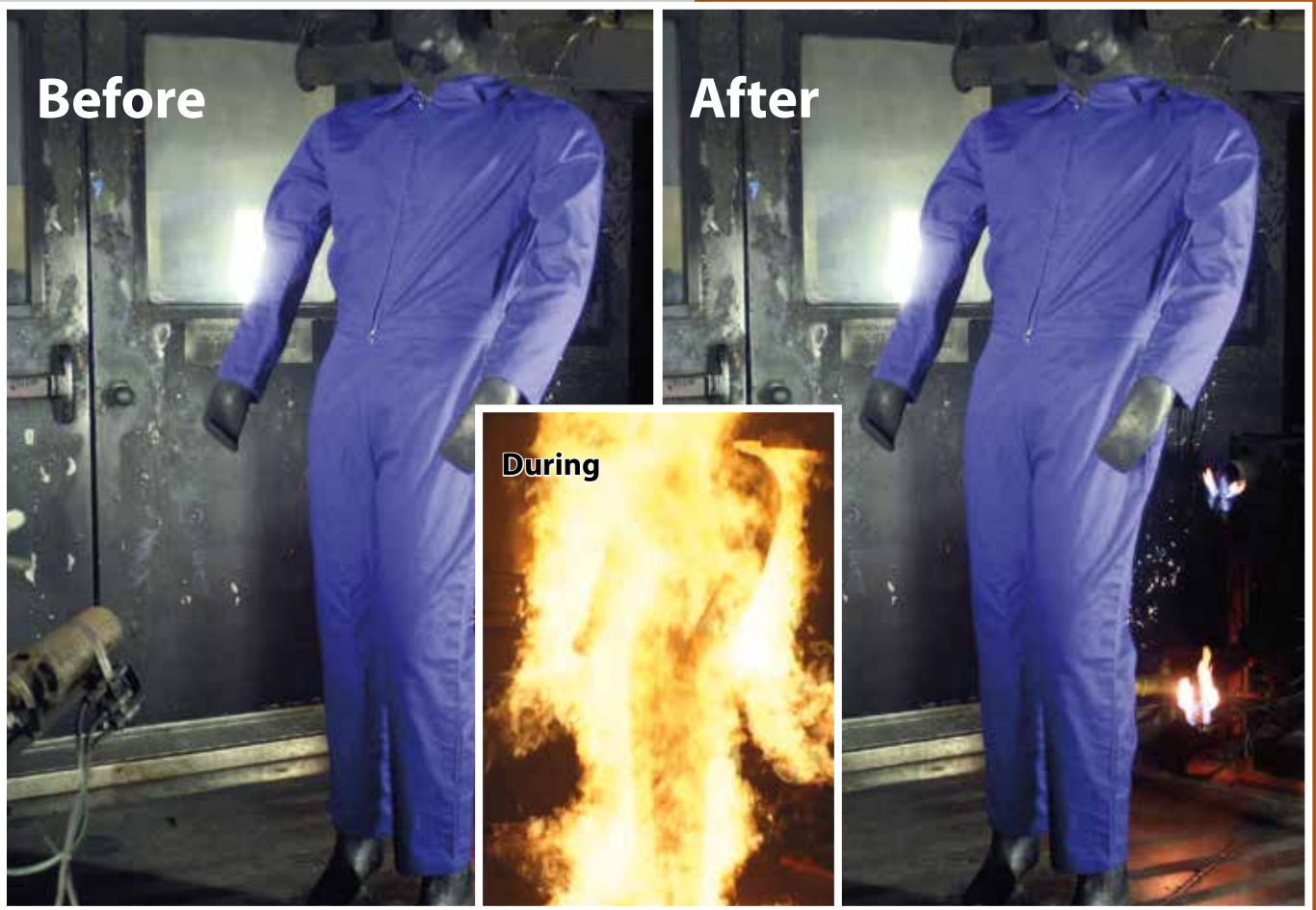
Requirements include flame resistance before and after washing, Thermal Protective Performance (TPP) value of 5 or greater, heat resistance to 260°C, and thermal shrinkage of no more than 10%.

TYPE 3 – Disposable

Pioneer example:

578 RAIN SUIT

Must meet flame resistance criteria before washing and should be worn over another approved FR garment. Exempt from all other requirements.



FR-Tech™ Outstanding Test Results

FLASH FIRE TESTING

N.C.S.U. PYROMAN™

Testing Protocol:

- Independent university laboratory testing
- Adherence to ASTM F1930-13 (Standard Test Method for Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin)
- Identically styled regular coveralls (size 42)
- All coveralls tested over 100% cotton t-shirts and briefs
- Coveralls must test to less than 50% bodily burn to pass

TEST TYPE:

Flash fire simulation on 10 oz FR-Tech™ coveralls

Exposure time:

- 3.0 seconds

Measurement time:

- 60.0 seconds

Second-degree burn average:

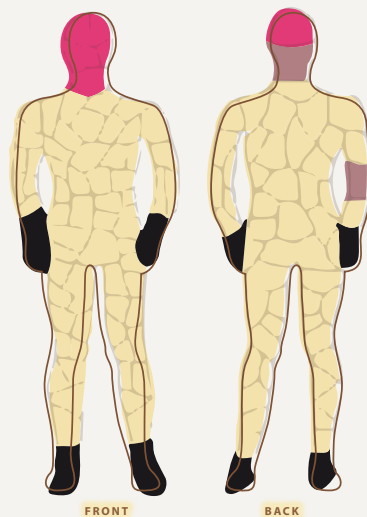
- 0.82%

Third-degree burn average:

- 6.284%

Total burn average:

- 7.11%



*Note that the 6.284% third-degree burn test result is entirely in the head area which is not protected by coverall. Hands and feet are excluded from this testing protocol.

- INVALID SENSOR
- NO BURN
- 2ND DEGREE BURN
- 3RD DEGREE BURN

Compare these superior test results with those of all other brands. Be extra-safe with Pioneer FR-Tech™ product!

PREMIUM FULL-FEATURED

88/12

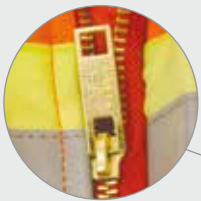
FLAME/ARC-RESISTANT GEAR



SAFETY UNCOMPROMISED
Highest rated flame resistant apparel to
protect Canadian workers on the job



FR-Tech™ 88% premium cotton blended with
12% high-tenacity nylon, 10 oz (340 GSM)



2-way FR
brass zipper



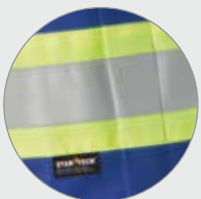
Sewn with inherently
FR thread



Gas detection mesh
front pocket



ATPV 14 cal/cm²
(Arc Thermal
Protective Value)



Double-stitched 4"
StarTech™ FR Protex®
contrast bands



Adjustable wrists
and ankles

FLAME RESISTANT SAFETY COVERALL

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 9.4 / contact test 5.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 14 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash
- Radiophone clip strap
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool
- 2 pass-through pockets
- Action back and elastic waist
- Sizes: 36-66
- Tall Sizes: 40-66

OVERALLS ALSO AVAILABLE:

- Royal #7710 (V2540280)
- Orange #7711 (V2540250)

ARC 2 Arc Rating
Category (HRC 2)



CSA Z96-09 Class 1 Level 2 and Class 1 Level FR

FR-Tech™ Flame Resistant Safety Coverall

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 9.4 / contact test 5.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 14 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Double-stitched StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- Sewn with inherently FR thread
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash • Radiophone clip strap
- Gas detection mesh front pocket • 2-way FR brass zipper
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool • 2 pass-through pockets
- Adjustable wrists and ankles • Action back and elastic waist



PROD. NO.	MOD. NO.	Colour	Sizes
V2540180	7700	Royal	36-66
V254018T	7700T	Royal	40T-66T
V2540150	7701	Orange	36-66
V254015T	7701T	Orange	40T-66T



FR-Tech™ Flame Resistant Safety Overall

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 9.4 / contact test 5.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR — should be worn with an approved FR long-sleeved garment
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 14 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Double-stitched StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- Sewn with inherently FR thread
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash • Radiophone clip strap
- Gas detection mesh front pocket • 2-way FR brass zipper
- Adjustable elastic suspenders • 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool
- 2 pass-through pockets



PROD. NO.	MOD. NO.	Colour	Sizes
V2540280	7710	Royal	S-5XL
V2540250	7711	Orange	S-5XL





FR-TECH™ 88/12 SAFETY WEAR



Vented back

Pit zips

FR-Tech™ Flame Resistant 7 oz Safety Coverall

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 7 oz (240 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.4 / contact test 6.3
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 8.9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Double-stitched StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- Sewn with inherently FR thread
- Flame resistance guaranteed for the life of the garment
- Vented arms and back with FR zipper closure and hook and loop closure
- Suitable for industrial wash
- Radiophone clip strap
- Gas detection mesh front pocket
- 2-way FR brass zipper
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool • 2 pass-through pockets
- Adjustable wrists and ankles • Action back and elastic waist



PROD. NO.	MOD. NO.	Colour	Sizes
V2540680	7720	Royal	36-66
V254068T	7720T	Royal	40T-60T
V2540650	7721	Orange	36-66
V2540650T	7721T	Orange	40T-60T



FR-Tech™ Flame Resistant Surveyor's Vest

- Flame resistance and comfort combined
- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000 — must be worn with an FR/arc rated sleeved garment
- Thermal Protective Performance (TPP) value: with the spacer 9.4 / contact test 5.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- ATPV 14 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash
- Metal snap front, radiophone clip strap and pocket
- Multiple front pockets including cell phone pockets, 4 inner pockets, big back pouch with zipper opening
- D-ring access slot and hanger loop
- Reinforced shoulder seam, herringbone contrast binding



PROD. NO.	MOD. NO.	Colour	Sizes
V2540340	7734	Red	S-4XL
V2540370	7735	Black	S-4XL
V2540380	7736	Royal	S-4XL



FR-Tech™ Flame Resistant 7 oz Work Shirt

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 7 oz (240 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.4 / contact test 6.3
- 7743 - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 8.9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- 7743 - Double-stitched StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- Sewn with inherently FR thread
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash
- Non-conductive FR buttons • 2 patch pockets with flap



PROD. NO.	MOD. NO.	Colour	Sizes
V2540430	7741	Light Blue	S-4XL
V2540440	7742	Navy	S-4XL
V2540450	7743	Navy	S-4XL



FR-Tech™ Flame Resistant 7 oz Work Pant

- FR-Tech™ 88% premium cotton blended with 12% high-tenacity nylon, 7 oz (240 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.4 / contact test 6.3
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- Meets NFPA 2112-2012
- ATPV 8.9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- 7763 - Double-stitched StarTech™ FR reflective tape, Protex® hi-viz reflective trim
- Sewn with inherently FR thread
- Flame resistance guaranteed for the life of the garment
- Suitable for industrial wash
- Non-conductive FR buttons
- FR brass zipper • 4 pockets: 2 front, 2 back
- 7762/7763 - 2 cargo utility pockets with flaps



PROD. NO.	MOD. NO.	Colour	Sizes
V2540530	7761	Navy	See chart below
V2540540	7762	Navy	See chart below
V2540550	7763	Navy	See chart below



		Width										
		30	32	34	36	38	40	42	44	46	48	50
Length	30											
	32											
	34											



FR SAFETY VESTS

100% Cotton Flame Resistant Safety Vest

- 100% FR treated preshrunk cotton knit
- Material and all components meet CGSB 155.20, 2000 — must be worn with an FR/arc rated sleeved garment
- Thermal Protective Performance (TPP) value: with the spacer 7.5 / contact test 5.9
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Cell phone pocket
- Snap front
- D ring access slot



PROD. NO.	MOD. NO.	Colour	Sizes
V2510150	128	Orange	XS-5XL
V2510170	129	Black	XS-5XL



Flame Resistant Hi-Viz Vest

- FR treated polyester mesh
- Meets EN ISO 14116 Index 1
- Must be worn over an FR sleeved garment
- CSA Z96-09 Class 2 Level 2
- 5 point tear-away
- StarTech™ FR reflective tape
- D ring access slot
- Adjustable 1 size up at front



PROD. NO.	MOD. NO.	Colour	Sizes
V2510850	6914A	Hi-Viz Orange	S/M, L/XL, 2/3XL, 4/5XL
V2510860	6916A	Hi-Viz Yellow/Green	S/M, L/XL, 2/3XL, 4/5XL



Flame Resistant Cotton Duck Quilted Vest

- 100% FR treated preshrunk 10 oz (350 GSM) cotton duck
- 5.3 oz (180 GSM) modacrylic FR insulation
- Shell material meets CGSB 155.20, 2000 — must be worn with an FR/arc rated sleeved garment
- Thermal Protective Performance (TPP) value of shell fabric: with the spacer 10.4 / contact test 8.3
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 12 cal/cm² (Arc Thermal Protective Value) (shell fabric only)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 5 storage pockets: 2 front slash, 3 inner
- Full brass zipper



PROD. NO.	MOD. NO.	Colour	Sizes
V2510370	1375F	Black	S-3XL

Flame Resistant 100% Cotton Unlined Vest

- 100% FR treated preshrunk 10 oz (350 GSM) cotton duck
- Material and all components meet CGSB 155.20, 2000 — must be worn with an FR/arc rated sleeved garment
- Thermal Protective Performance (TPP) value: with the spacer 10.4 / contact test 8.3
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 12 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Double snap adjustable front
- 5 storage pockets: 2 front, 2 inner, 1 cell phone
- 2 radiophone clip straps
- D ring access slot
- 3 pen slots



PROD. NO.	MOD. NO.	Colour	Sizes
V2510470	1385F	Black	S-4XL

Flame Resistant Modacrylic Mesh Vest

- 100% FR 3 oz (110 GSM) modacrylic mesh
- Meets CGSB 155.20, 2000 for Type 3 garments — must be worn with an FR sleeved garment
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 5 point tear-away
- FR hook and loop front closure
- D ring access slot



PROD. NO.	MOD. NO.	Colour	Sizes
V2510750	6911	Hi-Viz Orange	S/M, L/XL, 2/3XL, 4/5XL
V2510760	6917	Hi-Viz Yellow/Green	S/M, L/XL, 2/3XL, 4/5XL





FR SINGLE-LAYER SAFETY WEAR

Flame Resistant Cotton Safety Jacket

- 100% cotton, FR treated, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 11 / contact test 8.2
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9.5 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Brass FR non-locking zipper plus snap storm placket
- 4 storage pockets: 2 chest, 2 front
- Radiophone clip strap



PROD. NO.	MOD. NO.	Colour	Sizes
V2550110	5554	Royal	S-5XL
V2550150	5553	Orange	S-5XL



Flame Resistant Cotton Safety Overall

- 100% cotton, FR treated, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 11 / contact test 8.2
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9.5 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 2-way brass FR non-locking zipper
- Adjustable elastic suspenders
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 ruler
- 2 pass-through pockets
- Radiophone clip strap



PROD. NO.	MOD. NO.	Colour	Sizes
V2550210	5566	Royal	S-5XL
V2550250	5573	Orange	S-5XL

Flame Resistant Cotton Coverall

- 100% cotton, FR treated, 10 oz (340 GSM)
- Meets CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 11 / contact test 8.2
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9.5 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Sewn with inherently FR thread
- 2-way brass zipper
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool
- Pass-through pocket on right side
- Action back and elastic waist
- Adjustable wrists and ankles



PROD. NO.	MOD. NO.	Colour	Sizes
V2520310	5559	Royal	36-60
V252031T	5559T	Royal	40T-60T

Flame Resistant Cotton Safety Coverall

- 100% cotton, FR treated, 10 oz (340 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 11 / contact test 8.2
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9.5 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 2-way FR brass non-locking zipper
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool
- 2 pass-through pockets
- Adjustable wrists and ankles
- Action back and elastic waist
- Radiophone clip strap



PROD. NO.	MOD. NO.	Colour	Sizes
V2520210	5558A	Royal	36-66
V252021T	5558AT	Royal	40T-66T
V2520250	5555	Orange	36-66
V252025T	5555T	Orange	40T-66T
V2520270	5558BK	Black	36-66
V252027T	5558BKT	Black	40T-66T



FR SINGLE-LAYER SAFETY WEAR

Women's Flame Resistant Cotton Safety Coverall

- 100% cotton, FR treated, 10 oz (340 GSM)
- Meets CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 11 / contact test 8.2
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9.5 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Full 2-way YKK brass zips from waist to ankle
- Unique zip design for convenient washroom access
- 8 storage pockets: 2 back, 2 chest, 2 side, 1 ruler, 1 sealed inside left chest pocket
- Action back and elastic waist
- Adjustable wrists and ankles
- Radiophone clip strap



Unique zip design for convenient washroom access



PROD. NO.	MOD. NO.	Colour	Sizes
V2520970	5558BW	Black	Women's XS-2XL

FR MULTI-LAYER SAFETY WEAR

Flame Resistant Quilted Cotton Safety Overall

- Shell fabric 100% cotton, FR treated
- 5.3 oz (180 GSM) modacrylic FR insulation
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: contact test 18.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 46 cal/cm² (Arc Thermal Protective Value)
- ARC 4 Arc Rating Category (HRC 4)
- All metal components are concealed to ensure no arc flash conductivity
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 2-way FR brass non-locking zipper with storm placket
- Tough double-stitched seams
- 7 storage pockets: 2 back, 2 chest, 2 side, 1 tool
- Adjustable elastic suspenders and elastic waist
- 3/4 zipper plus snaps on each side
- Hammer loop



PROD. NO.	MOD. NO.	Colour	Sizes
V2560311	5524A	Royal	S-5XL
V2560351	5534A	Orange	S-4XL
V2560370	5524BK	Black	S-5XL

Flame Resistant Quilted Cotton Safety Parka

- Shell fabric 100% cotton, FR treated
- 6.5 oz (220 GSM) modacrylic FR insulation
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: contact test 18.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 46 cal/cm² (Arc Thermal Protective Value)
- ARC 4 Arc Rating Category (HRC 4)
- All metal components are concealed to ensure no arc flash conductivity
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- FR brass non-locking zipper
- Tough double-stitched seams
- Fleece hand warmers
- Underarm gussets for extra mobility
- 6 storage pockets: 2 back, 2 chest, 2 side
- Action back, elastic waist and aramid storm cuffs
- Radiophone clip strap
- Concealed metal snaps
- 523/524/523BK hood (sold separately)



See page 768
for hoods.

PROD. NO.	MOD. NO.	Colour	Sizes
V2560210	5523	Royal	S-5XL
V2560250	5533	Orange	S-5XL
V2560271	5523BKA	Black	S-5XL

Flame Resistant Quilted Cotton Safety Coverall

- Shell fabric 100% cotton, FR treated
- 6.5 oz (220 GSM) modacrylic FR insulation
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: contact test 18.8
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 46 cal/cm² (Arc Thermal Protective Value)
- ARC 4 Arc Rating Category (HRC 4)
- All metal components are concealed to ensure no arc flash conductivity
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 2-way FR brass non-locking zipper
- Tough double-stitched seams
- 6 storage pockets: 2 back, 2 chest, 2 side
- Action back, elastic waist and aramid storm cuffs
- Adjustable ankles
- 3/4 zipper plus snaps on each side
- Radiophone clip strap
- Concealed metal snaps
- 523/524/523BK hood (sold separately)



PROD. NO.	MOD. NO.	Colour	Sizes
V2560111	5522A	Royal	S-4XL
V2560151	5532A	Orange	S-4XL
V2560170	5522BK	Black	S-4XL



FR MULTI-LAYER SAFETY WEAR

Hood for Flame Resistant Quilted Cotton Safety Parka or Coverall

- Shell fabric 100% cotton, FR treated
- Meets CGSB 155.20, 2000
- Sewn with inherently FR thread
- FR drawstring with toggle
- Large hook and loop closure
- Concealed metal snap
- Snaps onto parka or coverall



PROD. NO.	MOD. NO.	Colour	Sizes
V2561140	523A	Royal	Fit-All
V2561150	524	Orange	Fit-All
V2561170	523BK	Black	Fit-All



FR HOODIES AND PULLOVERS

Flame Resistant Modacrylic Fleece Hoodie

- Flame resistance and comfort combined
- Modacrylic blend fleece material meets CGSB 155.20, 2000
- Antistatic
- 474 - CSA Z96-09 Class 1 level 2
- ATPV (or EBT) testing in process
- 474 - StarTech™ FR reflective tape
- FR metal zipper front with placket
- Removable snap on/off drawstring hood
- 2 pockets
- Rib cuffs and hem
- Sewn with inherently FR thread



PROD. NO.	MOD. NO.	Colour	Sizes
V2590280	473	Black	XS-5XL
V2590380	474	Black	XS-5XL



Flame Resistant Zip Style Heavyweight Cotton Safety Hoodie

- 100% FR treated preshrunk cotton, 12 oz (400 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 12 / contact test 10.5
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 23 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- 2 front slash pockets
- FR brass non-locking zipper
- Tough double-stitched seams
- Liberal sizing
- Detachable snap hood



PROD. NO.	MOD. NO.	Colour	Sizes
V2570470	337SF	Black	XS-7XL
V2570450	338SF	Orange	XS-7XL



Flame Resistant Pullover Style Heavyweight Cotton Hoodie

- 100% FR treated preshrunk cotton, 12 oz (400 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 12 / contact test 10.5
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 23 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Sewn with inherently FR thread
- Liberal sizing
- Tough double-stitched seams
- Front pouch pocket
- Non-detachable hood



PROD. NO.	MOD. NO.	Colour	Sizes
V2570170	335	Black	XS-7XL



Flame Resistant Zip Style Heavyweight Cotton Hoodie

- 100% FR treated preshrunk cotton, 12 oz (400 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 12 / contact test 10.5
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 23 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Sewn with inherently FR thread
- 2 front slash pockets
- FR brass non-locking zipper
- Tough double-stitched seams
- Liberal sizing
- Detachable snap hood



PROD. NO.	MOD. NO.	Colour	Sizes
V2570270	337	Black	XS-7XL



Flame Resistant 1/4 Zip Cotton Pullover

- 100% FR treated preshrunk cotton, 12 oz (400 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 12 / contact test 10.5
- 334SF - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 23 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- 334SF - Double-stitched StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Standup collar with FR 1/4 zip
- Elastic rib cuffs and hem
- Front pouch pocket



PROD. NO.	MOD. NO.	Colour	Sizes
V2570570	334	Black	XS-5XL
V2570670	334SF	Black	XS-5XL



334

334SF



356

359

FR FLEECE PANTS

Flame Resistant Cotton Fleece Pant

- Flame resistance and comfort combined
- 100% FR treated preshrunk cotton
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 12 / contact test 10.5
- 359 - CSA Z96-09 Class 3 Level 2 and Class 3 Level FR when worn with Class 2 Level 2 and Class 2 Level FR top featuring reflective arm bands
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 23 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- 359 - StarTech™ FR reflective tape
- Elastic drawstring waist
- Comfort fit
- 2 front pockets, 1 back pocket



PROD. NO.	MOD. NO.	Colour	Sizes
V2570870	356	Black	S-4XL
V2570970	359	Black	S-4XL



FR UNDERWEAR

Flame Resistant Modacrylic Underwear Set

- Flame resistance and comfort combined
- Modacrylic blend jersey knit
- Antistatic
- ATPV (or EBT) testing in process
- 4401 - Crew neck
- 4402 - Rib cuffs and ankles



PROD. NO.	MOD. NO.	Colour	Sizes
V2591470	4401	Heather Grey	XS-4XL
V2592470	4402	Heather Grey	XS-4XL



4401

4402

Flame Resistant Long-Sleeved Cotton Shirt

- 100% FR treated preshrunk cotton knit, 7.5 oz (250 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.5 / contact test 5.9
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- Sewn with inherently FR thread
- Left chest pocket
- Crew collar neck
- Comfort knit cuffs



PROD. NO.	MOD. NO.	Colour	Sizes
V2580310	333	Light Grey	S-5XL
V2580380	333	Navy	S-5XL
V2580370	333BK	Black	S-5XL

Flame Resistant Long-Sleeved Cotton Safety Shirt

- 100% FR treated preshrunk cotton, 7.5 oz (250 GSM)
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.5 / contact test 5.9
- CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Meets ASTM F1506-10a, NFPA 70E and CSA Z462-15
- ATPV 9 cal/cm² (Arc Thermal Protective Value)
- ARC 2 Arc Rating Category (HRC 2)
- StarTech™ FR reflective tape
- Sewn with inherently FR thread
- Self fabric crew neck
- Chest pocket with hook and loop closure



PROD. NO.	MOD. NO.	Colour	Sizes
V2580550	3395F	Orange	S-5XL
V2580570	3405F	Black	S-5XL

Flame Resistant Cotton Denim Shirt

- 100% FR treated preshrunk cotton denim
- Material and all components meet CGSB 155.20, 2000
- Thermal Protective Performance (TPP) value: with the spacer 7.8 / contact test 6.6
- Sewn with inherently FR thread
- 2 spade chest pockets with buttons
- Button-down collar
- Stitched-on front placket with press snaps
- Pen slot on left chest pocket flap



PROD. NO.	MOD. NO.	Colour	Sizes
V2580110	330	Stonewash Denim	S-4XL



FR PVC RAINWEAR

Flame Resistant PVC Long Rain Coat

- 48" length
- .35 mm FR treated PVC/poly/PVC
- Meets CGSB 155.20, 2000 Type 3
- 100% waterproof
- Zip and snap front placket
- Detachable snap hood



PROD. NO.	MOD. NO.	Colour	Sizes
V3510560	580	Yellow	S-5XL



Flame Resistant PVC Heavy-Duty 3-Piece Rain Suit

- Heavy-duty .45 mm FR treated PVC/polyester/PVC
- Meets CGSB 155.20, 2000 Type 3
- 100% waterproof
- 3 pieces: jacket with snaps and detachable snap hood, double bib reversible pant with elastic suspenders



PROD. NO.	MOD. NO.	Colour	Sizes
V3510160	571	Yellow	S-5XL



Flame Resistant PVC 2-Piece Rain Suit

- .35 mm FR treated PVC/poly/PVC
- Meets CGSB 155.20, 2000 Type 3
- 100% waterproof
- 2 patch pockets
- 2 pieces: jacket with zip and snap front placket, detachable snap hood and bib pant with self fabric suspenders



PROD. NO.	MOD. NO.	Colour	Sizes
V3510360	578	Yellow	S-6XL



Flame Resistant PVC 2-Piece Rain Suit

- .35 mm FR treated PVC/poly/PVC
- Meets CGSB 155.20, 2000 Type 3
- 100% waterproof
- 2 pieces: jacket with zip and snap front placket, detachable snap hood and bib pant with self fabric suspenders



PROD. NO.	MOD. NO.	Colour	Sizes
V3510460	579	Premium Orange	S-5XL

NEW

See page 797 for non-FR PVC rainwear

Element FR™ PVC 3-Piece Suit

- 13 oz/yd² PVC on polyester
- Material and all components meet CGSB 155.20, 2000 Type 3
- R85 - CSA Z96 striping package featuring retroreflective striping
- R85 - Jacket is CSA Z96-09 Class 2 Level 2, jacket and pants are Class 3 when worn together
- Oil resistant
- Extremely durable and comfortable
- Remains flexible in cold conditions
- Permanently welded seams
- Good tear and snag resistance
- Generous styling fits over work clothes



JACKET:

- Dolman sleeve design
- Stand-up collar with durable snaps to attach hood
- Concealed nylon snap front closure
- Inner storm flap
- Two snap adjustments at cuffs
- Unique Wideweld cuff design for added durability

HOOD:

- Fits easily over hard hat
- Attaches to jacket with plastic snaps
- Detachable to prevent entanglement while working
- Drawstring with cord locks for best fit

PANT:

- Single bib design
- Double-layer top for durability
- Elastic waist back
- Adjustable elastic suspenders with spreader bar and nylon slides provide support and comfort
- Two snap adjustments at cuffs for best fit
- Unique Wideweld cuff design for added durability
- Roomy legs to easily put on boots

PROD. NO.	MOD. NO.	Colour	Sizes
V2243650	R80	Hi-Viz Orange	S-4XL
V2243950	R85	Hi-Viz Orange	S-4XL



R80



R85

**CA-43® CHEMICAL AND ACID RESISTANT FR RAINWEAR****CA-43® FR Protective Coat**

- 10 oz/yd² FR PVC/polyester
- Dolman sleeves for ease of movement and added comfort
- Collar with snaps to attach hood (sold separately)
- Snap front closure
- Inner cone cuff designed to grip glove and create a seal around wrist
- Durable non-conductive plastic snaps
- RF welded watertight seams
- Generous styling fits over work clothes
- Meets CGSB 155.20-2000, Type 3
- Recommended for "Momentary Protection from Open Flame"
- Resistant to chemicals as per ASTM F739-07 • Meets CSA Class 1 Level 2



PROD. NO.	MOD. NO.	Colour	Sizes
V2241740	C43 320	Green	XS-5XL

NEW**CA-43® FR Protective Jacket**

- 10 oz/yd² FR PVC/polyester
- RF welded watertight seams
- Non-conductive collar snaps to attach hood (sold separately)
- Generous styling fits over work clothes
- Meets CGSB 155.20-2000, Type 3
- Recommended for "Momentary Protection from Open Flame"
- Resistant to chemicals as per ASTM F739-07
- J43 380 - Raglan sleeves for ease of movement and added comfort, brass zipper closure with concealed outer non-conductive snaps, inner cone cuff designed to grip glove and create a seal around wrist, double storm flap, two-snap cuff adjustment
- J43 320 - Dolman sleeves for ease of movement and added comfort, snap front closure, durable non-conductive plastic snaps, CSA Class 1 Level 2, 2" wide FR silver striping on arms, torso, front, and X on back (CSA configuration)



PROD. NO.	MOD. NO.	Colour	Sizes
V2240640	J43 380	Green	S-4XL
V2241940	J43 320	Green	S-4XL

NEW**NEW**

J43 320

J43 380

**CA-43® FR Protective Bib Pant**

- 10 oz/yd² FR PVC/polyester
- Single bib design
- Adjustable 1 1/4" elastic suspenders with spreader bar and nylon slides provide support and comfort
- Durable reinforced waist ties for snug fit
- RF welded watertight seams
- Generous styling fits over work clothes
- Meets CGSB 155.20-2000, Type 3
- Recommended for "Momentary Protection from Open Flame"
- Resistant to chemicals as per ASTM F739-07
- P43 085 - Inner elastic cuffs at bottom, double knee
- P43 035 - 2" FR silver reflective tape around legs



PROD. NO.	MOD. NO.	Colour	Sizes
V2241340	P43 085	Green	S-4XL
V2241020	P43 035	Green	S-4XL

NEW**NEW**

P43 035

P43 085

CA-43® CHEMICAL AND ACID RESISTANT FR RAINWEAR

FLAME-GARD™

ranpro

PIONEER

PIONEER

FLAME RESISTANT WEAR

CA-43® FR Hood

- 10 oz/yd² FR PVC/polyester
- Fits easily over hard hat, drawstring for best fit
- Non-conductive snap attachments
- 3-piece hood design



PROD. NO. MOD. NO. Colour Sizes

V2240540 H43 501 Green Fit-All

NEW

CA-43® FR Apron

- 10 oz/yd² FR PVC/polyester
- 29" x 48" bib style apron
- Chemical and acid resistant
- Durable waist and neck ties
- Reinforced grommets at tie points



PROD. NO. MOD. NO. Colour Sizes

V2240140 A43 48 Green Fit-All

NEW

DRY GEAR® FR RAINWEAR

Dry Gear® FR Apron

- FR PU coated on FR polyester stretch knit
- Fabric meets CGSB 155.20-2000, Type 3
- Excellent cold flex, oil and abrasion resistance
- Seamless cut with grommets for straps
- Fabric meets CSA Z96-09 hi-viz background requirements



PROD. NO. MOD. NO. Colour Sizes

V3240960 A11 48 Fluorescent Yellow 29"x48"

NEW

Dry Gear® FR Sleeves

- FR PU coated on FR polyester stretch knit
- Fabric meets CGSB 155.20-2000, Type 3
- Excellent cold flex, oil and abrasion resistance
- Fabric meets CSA Z96-09 hi-viz background requirements
- SL11 180 - Crimped elastic at top, flat elastic at wrist
- SL11 200 - Comfortable Neoprene cuff keeps water out, adjustable elastic hook and loop closure at top



PROD. NO. MOD. NO. Colour Sizes

V3240860 SL11 180 Fluorescent Yellow 20"

V3240870 SL11 200 Fluorescent Yellow 22"

NEW

NEW



**PETRO-GARD® FR NEOPRENE RAINWEAR****Petro-Gard® FR Jacket**

- 14 oz/yd² low smoke Neoprene on Dupont™ Nomex®
- Inner and outer storm flaps/zipper closure
- Hard hat sized hood rolls up in collar (sold separately)
- Angled collar under the chin with FR hook and loop closure
- Two front pockets with flaps and FR hook and loop closure
- Dolman sleeve design • Inner elastic cuffs
- Tab style hook and loop cuff adjustments
- Meets FR ASTM F1891-06 Standard Specifications for Arc and Flame Resistant Rainwear
- ARC rating: ATPV 13.3 cal/cm², EBTAS 40.8 cal/cm², HAF 80.6%
- NFPA 70E and CSA Z462-12 arc category 2
- Meets CGSB 155.20-2000 Workwear for Protection Against Hydrocarbon Flash Fire
- Type 1 single layer garment • TPP: with spacer 15, without spacer 4
- Meets ASTM F2733 Standard Specification for Flame Resistant Rainwear for Protection Against Flame Hazards
- Jacket meets CSA Z96-09/ANSI 107 Class 2 Level 2 and Class 2 Level 2 when worn with pant



PROD. NO.	MOD. NO.	Colour	Sizes	
V2246450	J160 400	Orange	S-4XL	NEW

**Petro-Gard® FR Hood**

- 14 oz/yd² low smoke Neoprene on Dupont™ Nomex®
- Drawstring and toggle, hook and loop connection to jacket



PROD. NO.	MOD. NO.	Colour	Sizes	
V2246120	H160 501	Orange	O/S	NEW

**Petro-Gard® FR Bib Pant**

- 14 oz/yd² low smoke Neoprene on Dupont™ Nomex®
- Single bib design
- Adjustable FR hook and loop closure leg cuff
- Adjustable arc resistant fabric suspenders and spreader bar with elastic back and Kwik-Lok connectors
- Adjustable spreader bar at back
- Durable reinforced waist ties for snug fit • 2" FR reflective material on each leg
- Meets FR ASTM F1891-06 Standard Specifications for Arc and Flame Resistant Rainwear
- ARC rating: ATPV 13.3 cal/cm², EBTAS 40.8 cal/cm², HAF 80.6%
- NFPA 70E and CSA Z462-12 arc category 2
- Meets CGSB 155.20-2000 Workwear for Protection Against Hydrocarbon Flash Fire
- Type 1 single layer garment • TPP: with spacer 15, without spacer 4
- Meets ASTM F2733 Standard Specification for Flame Resistant Rainwear for Protection Against Flame Hazards
- Pant: Class 3 Level 2 when worn with Class 2 jacket



PROD. NO.	MOD. NO.	Colour	Sizes	
V2246750	P160 041	Orange	S-4XL	NEW

Utili-Gard® FR Jacket

- J162 310DH - 8 oz/yd² PVC on Dupont™ Nomex®/Kevlar®
- J163 310DH and J161 310DH - 10 oz/yd² PVC on Dupont™ Nomex®/Kevlar® • Meets CGSB 122.20, 2000 Type 3
- Meets CSA Z96-09/ANSI 107 Class 2 Level 2 high-visibility safety apparel standards, Class 3 when worn with Utili-Gard® pants
- Meets ASTM F1891-06 Standard Specification for Arc and Flame Resistant Rainwear, NFPA 70E-12 and CSA Z462-12
- J162 310DH - ATPV 12.9 cal/cm², EBTAS 41.2 cal/cm², HAF 80%
- J163 310DH - ATPV 14 cal/cm², EBTAS 42.6 cal/cm², HAF 84.6%
- J161 310DH - ATPV 10.8 cal/cm², EBTAS 47.6 cal/cm², HAF 82.2%
- 2" wide FR silver striping on arms, torso, front, and X on back (CSA configuration)
- Dolman sleeve design for ease of movement • FR brass zipper
- Outer storm flap with top to bottom FR hook and loop closure
- Inner storm flap for reduced heat transmission
- Form-fitting collar has pouch for detachable hood with FR hook and loop closure
- Hood sold separately • Tab style FR hook and loop cuff adjustments
- Vented back • FR elastic drawstring on inner bottom hem to prevent arc exposure



PROD. NO.	MOD. NO.	Colour	Sizes
V2449320	J162 310DH	International Orange	XS-4XL
V2449560	J163 310DH	Fluorescent Yellow	M-2XL
V2449650	J161 310DH	Fluorescent Orange	M-2XL



Utili-Gard® FR Hood

- H162 502 - 8 oz/yd² PVC on Dupont™ Nomex® / Dupont™ Kevlar®
- H161 502/H163 502 - 10 oz/yd² PVC on Dupont™ Nomex® / Dupont™ Kevlar® • Fits easily over a hard hat
- Non-conductive, non-corrosive snaps • Drawstring for custom fit • 3-piece hood design



PROD. NO.	MOD. NO.	Colour	Sizes
V2440620	H162 502	International Orange	O/S
V2440660	H163 502	Fluorescent Yellow	O/S
V2440650	H161 502	Fluorescent Orange	O/S



Utili-Gard® FR Bib Pant

- P162 041 - 8 oz/yd² PVC on Dupont™ Nomex®/Kevlar®
- P163 041/P161 041 - 10 oz/yd² PVC on Dupont™ Nomex®/Kevlar®
- Meets CGSB 122.20, 2000 Type 3
- Meets CSA Z96-09/ ANSI 107 Class 3 Level 2 high-visibility safety apparel standards, when worn with CSA Class 2 Level 2 top featuring reflective arm bands
- Meets ASTM F1891-06 Standard Specification for Arc and Flame Resistant Rainwear, NFPA 70E-12 and CSA Z462-12
- P162 041 - ATPV 12.9 cal/cm², EBTAS 41.2 cal/cm², HAF 80%
- P163 041 - ATPV 14 cal/cm², EBTAS 42.6 cal/cm², HAF 84.6%
- P161 041 - ATPV 10.8 cal/cm², EBTAS 47.6 cal/cm², HAF 82.2%
- 2" FR silver reflective striping meets CSA Z96-09 high-visibility safety apparel standards
- Single bib design with inner bib pocket
- Adjustable arc resistant fabric suspenders and spreader bar with elastic back and Kwik-Lok connectors • Adjustable spreader bar at back
- Roomy legs to easily put on boot • Durable reinforced waist ties for snug fit



PROD. NO.	MOD. NO.	Colour	Sizes
V2448450	P162 041	International Orange	XS-4XL
V2440260	P163 041	Fluorescent Yellow	M-2XL
V2440550	P161 041	Fluorescent Orange	M-2XL





FR PU STRETCH RAINWEAR

Flame Resistant PU Stretch Hi-Viz Waterproof Jacket

- FR treated 100% polyurethane/poly
- Meets CGSB 155.20, 2000 Type 3
- 5894 - CSA Z96-09 Class 2 Level 2 and Class 2 Level FR (becomes Class 3 when worn with FR hi-viz pant featuring reflective leg bands)
- 5892/5894BK - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Passes ASTM D6413-13 flame resistance test
- Oil and chemical resistant
- 100% waterproof and windproof
- Lightweight and tough 4-way stretch PU
- StarTech™ FR reflective tape
- Heat welded seams
- Extra-large detachable hood
- Full front zipper with snap storm placket



PROD. NO.	MOD. NO.	Colour	Sizes
V3520150	5892	Hi-Viz Orange	XS-7XL
V3520160	5894	Hi-Viz Yellow/Green	XS-4XL
V3520170	5894BK	Black	XS-5XL

Flame Resistant PU Stretch Hi-Viz Waterproof Bib Pant

- FR treated 100% polyurethane/poly
- Meets CGSB 155.20, 2000 Type 3
- 5895 - CSA Z96-09 Class 3 Level 2 and Class 3 Level FR when worn with Class 2 Level 2 and Class 2 Level FR top featuring reflective arm bands
- 5893/5895BK - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR when worn with Class 1 Level 2 and Class 1 Level FR top
- Passes ASTM D6413-13 flame resistance test
- Oil and chemical resistant
- 100% waterproof and windproof
- Lightweight and tough 4-way stretch PU
- StarTech™ FR reflective tape
- Heat welded seams
- Heavy-duty suspenders with quick-release clips
- Adjustable waist with snaps



PROD. NO.	MOD. NO.	Colour	Sizes
V3520250	5893	Hi-Viz Orange	XS-7XL
V3520260	5895	Hi-Viz Yellow/Green	XS-4XL
V3520270	5895BK	Black	XS-5XL



Flame Resistant PU Stretch Hi-Viz Long Waterproof Coat

- FR treated 100% polyurethane/poly
- Meets CGSB 155.20, 2000 Type 3
- 5897 - CSA Z96-09 Class 3 Level 2 and Class 3 Level FR
- 5896 - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR
- Passes ASTM D6413-13 flame resistance test
- Oil and chemical resistant
- 100% waterproof and windproof
- Lightweight and tough 4-way stretch PU
- StarTech™ FR reflective tape
- Heat welded seams
- Extra-large detachable hood
- Full front zipper with snap storm placket



PROD. NO.	MOD. NO.	Colour	Sizes
V3520350	5896	Hi-Viz Orange	S-5XL
V3520360	5897	Hi-Viz Yellow/Green	XS-5XL

Flame Resistant PU Stretch Hi-Viz Waterproof Pant

- FR treated 100% polyurethane/poly
- Meets CGSB 155.20, 2000 Type 3
- 5899 - CSA Z96-09 Class 3 Level 2 and Class 3 Level FR when worn with Class 2 Level 2 and Class 2 Level FR top featuring reflective arm bands
- 5898 - CSA Z96-09 Class 1 Level 2 and Class 1 Level FR when worn with Class 1 Level 2 and Class 1 Level FR top featuring reflective arm bands
- Passes ASTM D6413-13 flame resistance test
- Oil and chemical resistant
- 100% waterproof and windproof
- Lightweight and tough 4-way stretch PU
- StarTech™ FR reflective tape
- Heat welded seams
- Adjustable drawstring waist



PROD. NO.	MOD. NO.	Colour	Sizes
V3520450	5898	Hi-Viz Orange	S-5XL
V3520460	5899	Hi-Viz Yellow/Green	XS-5XL



FR HEADWEAR

Flame Resistant Quilted Hard Hat Liner

- 100% FR treated 5 oz (170 GSM) woven cotton shell
- Shell fabric meets CGSB 155.20, 2000
- FR treated brushed cotton lining
- No mouthpiece
- Helmet secure straps



PROD. NO.	MOD. NO.	Colour	Sizes
V4510870	564A	Black	Fit-All

Flame Resistant Quilted Long Neck Hard Hat Liner

- 100% FR treated 5 oz (170 GSM) woven cotton shell
- Shell fabric meets CGSB 155.20, 2000
- FR treated brushed cotton lining
- Long neck with detachable mouthpiece
- Helmet secure straps
- Sewn with inherently FR thread



PROD. NO.	MOD. NO.	Colour	Sizes
V4510970	565A	Black	Fit-All

Flame Resistant Quilted Hard Hat Liner

- 100% FR treated 5 oz (170 GSM) woven cotton shell
- Shell fabric meets CGSB 155.20, 2000
- FR treated brushed cotton lining
- Detachable mouthpiece
- Helmet secure straps
- Sewn with inherently FR thread



PROD. NO.	MOD. NO.	Colour	Sizes
V4511070	566A	Black	Fit-All

Heavy-Duty Flame Resistant Quilted Long Neck Hard Hat Liner

- 100% FR treated 5 oz (170 GSM) woven cotton shell
- Shell fabric meets CGSB 155.20, 2000
- FR treated brushed cotton lining
- Long neck with detachable mouthpiece
- Helmet secure straps



PROD. NO.	MOD. NO.	Colour	Sizes
V4512070	5565A	Black	Fit-All

Nomex® IIIA Toque

- Nomex® IIIA life-long flame resistant



PROD. NO.	MOD. NO.	Colour	Sizes
V4520270	C200	Black	Fit-All



Nomex® IIIA Beanie

- Nomex® IIIA life-long flame resistant
- Tight-knit for best fit



PROD. NO.	MOD. NO.	Colour	Sizes
V4520370	C201	Black	Fit-All



Nomex® Neck Warmer/Windguard

- Nomex® life-long flame resistant



PROD. NO.	MOD. NO.	Colour	Sizes
V4520510	C207	Natural	Fit-All



Nomex® IIIA Neck Warmer/Windguard

- Nomex® IIIA life-long flame resistant



PROD. NO.	MOD. NO.	Colour	Sizes
V4520570	C207BK	Premium Black	Fit-All



Nomex® IIIA 3-Hole Balaclava

- Nomex® IIIA life-long flame resistant
- 3 holes



PROD. NO.	MOD. NO.	Colour	Sizes
V4520470	C202	Black	Fit-All





FR HEADWEAR

Nomex® IIIA 1-Hole Balaclava

- Nomex® IIIA life-long flame resistant
- 1 hole



PROD. NO.	MOD. NO.	Colour	Sizes
V4520170	666	Black	Fit-All



Nomex® IIIA Light-Knit Balaclava

- Nomex® IIIA life-long flame resistant
- 1 hole



PROD. NO.	MOD. NO.	Colour	Sizes
V4520970	C215	Black	Fit-All



Nomex® Medium-Knit Balaclava

- Nomex® life-long flame resistant
- 1 hole
- 4-piece cape/hood design



PROD. NO.	MOD. NO.	Colour	Sizes
V4520710	C214	White	Fit-All



Nomex® IIIA Medium-Knit Balaclava

- Nomex® IIIA life-long flame resistant
- 1 hole
- 4-piece cape/hood design



PROD. NO.	MOD. NO.	Colour	Sizes
V4520770	C214BK	Premium Black	Fit-All