

# FHC



## INDUSTRIAL WORKWEAR **PROFILE**

رؤية  
**2030**  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

Our Partner

 **TENCATE**



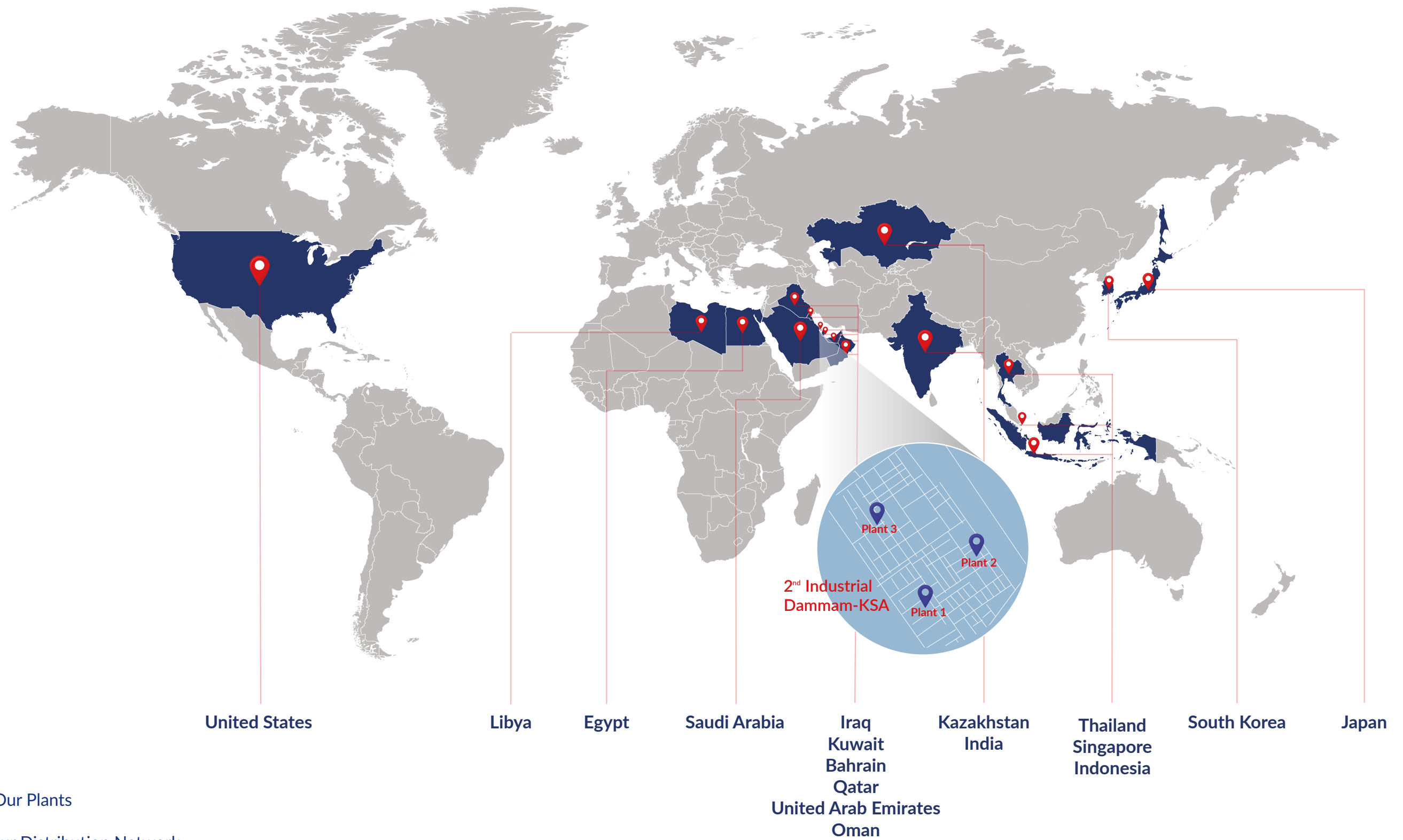


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# OUR NETWORK

WITHIN YOUR REACH







## YOUR PARTNER IN CUSTOMIZATION

## ABOUT US

FHC is a leading manufacturer serving the industrial sector across the MENA region for over than two decades and focusing on highly sophisticated custom built solutions in the fields of fire fighting, safety, security and process.

FHC has three state-of-the-art plants with 300,000 Sq.ft in footprint located in Dammam 2nd Industrial City in Saudi Arabia served by competent engineers and up to date fabrication equipment allowing us to design, produce and assemble a wide range of solutions that meet and exceed local and global standards.

With a target to protect the people who power the world, FHC has recently expanded its operation with a garment manufacturing setup to outfit our customers with the finest, most advanced, most intuitively designed FR Products.

We partnered with TenCate who is a pioneer in producing fabric for industrial workwear and they set high standards of quality to insure that every FR product has been thoroughly tested to meet safety industry requirement.

## CERTIFICATION AND ACCREDITATION



# WORKWEAR SHIRT



Uniform Shirt, Banded topstitched collar. Two chest pockets with button flap closures and sewn in pencil stall. Placket front with button closure.

Tailored sleeve placket. Topstitched cuff with button closure, Reinforced stitching at stress points, with Coolderm™ Technology providing Superior sweat absorption and comfort; Ideal as protective wear for hot climate work environment.



## 5.8 OZ. UNIFORM SHIRT

**FH580S - Long Sleeve Shirt (Size) S-5XL.**

Flame Resistant, Arc Protective, NFPA® 2112 Compliant

**Fabric:** TECASAFE® PLUS 580, Twill, Flame-resistant, modacrylic, cellulose & Aramid, 5.8 oz.

**Technology:** Coolderm™, SunSHIELD™ UV Protection

**Protection:** Arc Rating ATPV 6.5 calories / cm<sup>2</sup>, Test according to ASTM 1930 Predicted Body Burn at 3 seconds < 14%, Thermal Shrinkage is less than 5%

## MAIN APPLICATIONS

Oil/gas fields, oil refineries, chemical industry, power industry

## SAFETY STANDARD

NFPA 2112, ASTM F 1930, ASTM F 1959, NFPA 70E HRC1, UL listed fabric.

## COLOR OPTIONS

Light Blue, Royal Blue, Navy Blue, Gray & Khaki



# WORKWEAR PANT



Waistband with button closure. Two slack-style front pockets. Left hip pocket with button closure, Reinforced with double stitched at stress points, with Coolderm™ Technology providing Superior sweat absorption and comfort; Ideal as protective wear for hot climate work environment.



## 5.8 OZ. UNIFORM PANT

**FH580P - Pant (Size) 28-52.**

Flame Resistant, Arc Protective, NFPA® 2112 Compliant

**Fabric:** TECASAFE® PLUS 580, Twill, Flame-resistant, modacrylic, cellulose & Aramid, 5.8 oz.

**Technology:** Coolderm™, SunSHIELD™ UV Protection

**Protection:** Arc Rating ATPV 6.5 calories / cm<sup>2</sup>, Test according to ASTM 1930 Predicted Body Burn at 3 seconds < 14%, Thermal Shrinkage is less than 5%

## MAIN APPLICATIONS

Oil/gas fields, oil refineries, chemical industry, power industry

## SAFETY STANDARD

NFPA 2112, ASTM F 1930, ASTM F 1959, NFPA 70E HRC1, UL listed fabric.

## COLOR OPTIONS

Light Blue, Royal Blue, Navy Blue, Gray & Khaki



## MAIN FEATURES

- Designed plain front with 2 front pockets, 2 back pockets.
- Front closure by hook & button.
- Plain front and double stitched sides.
- All buttons, zippers, and sewing are FR tested.
- Soft and breathable fabric, making it comfortable to wear.
- Superior sweat absorption and comfort.
- Retains excellent color and appearance after continual industrial laundering.
- Keeps you cool and dry even in the toughest environments.
- Inherent FR protection will never wash or wear out.
- Soft and comfortable to wear with active moisture wicking.
- Outstanding appearance, even after industrial laundering
- Longer life-cycle than cotton or cotton-blend textiles
- Hypoallergenic fabric without any toxic, chemical finish
- Seams, stitches, and stitching types as per AATCC 88B
- Labelling as per NFPA 2113



# WORKWEAR COVERALL

One piece FRC Coverall, topstitched, lay-flat collar. Two-way, concealed, YKK brass break-away zipper with concealed snap at top of zipper and at neck. Concealed snap closure on cuff, Reinforced stitching at stress points, with Coolderm™ Technology providing Superior sweat absorption and comfort; Ideal as protective wear for hot climate work environment.



5.8 OZ. UNIFORM COVERALL

**FH580C- DELUXE Coverall (Size) 28-52.**  
 Flame Resistant, Arc Protective, NFPA® 2112 Compliant

**Fabric:** TECASAFE® PLUS 580, Twill, Flame-resistant, modacrylic, cellulose & Aramid, 5.8 oz.

**Technology:** Coolderm™ , SunSHIELD™ UV Protection

**Protection:** Arc Rating ATPV 6.5 calories / cm2, Test according to ASTM 1930 Predicted Body Burn at 3 seconds < 14%, Thermal Shrinkage is less than 5%

MAIN FEATURES

- Designed with 2 Front patch pockets, 2 Back patch Pockets and 2 Front side pockets.
- Front placket secured by YKK zipper and snap FR buttons closure.
- Waist belt secured by snap button.
- Soft and breathable fabric, making it comfortable to wear.
- Superior sweat absorption and comfort.
- Retains excellent color and appearance after continual industrial laundering.
- Keeps you cool and dry even in the toughest environments.
- Inherent FR protection will never wash or wear out.
- Soft and comfortable to wear with active moisture wicking.
- Outstanding appearance, even after industrial laundering
- Longer life-cycle than cotton or cotton-blend textiles
- Hypoallergenic fabric without any toxic, chemical finish
- Seams, stitches, and stitching types as per AATCC 88B
- Labelling as per NFPA 2113

MAIN APPLICATIONS

Oil/gas fields, oil refineries, chemical industry, power industry

SAFETY STANDARD

NFPA 2112, ASTM F 1930, ASTM F 1959, NFPA 70E HRC1, UL listed fabric.

COLOR OPTIONS

Light Blue, Royal Blue, Navy Blue, Gray & Khaki

# FR MASK



DESIGNED TO

- Discourage touching of nose and mouth
- Decrease the spread of wearer's airborne particles from coughing or sneezing
- Reduce droplets and particles inhaled by the wearer

MATERIAL

- Light weight breathable addedlayers of protection
- Outer fabric: Fire retardant fabric - Nomex® Comfort 93% Nomex, 5% Kavler, and 2% Antistatic (P140)
- Inner fabric: 100% Cotton, Lightweight.

FEATURES

- Comfortable
- Soft
- Reusable
- Washable
- Easy to wear and take off
- One size fits most



# FR SAFETY VEST

Model number : FH580FR3MR

Interior chest pocket, YKK® Concealed snap front closure, flame-Resistant Reflective Material placement provides 360° visibility with 2 vertical stripes on the front, a horizontal stripe around the waist and on back.

### Reflective Tape:

- 3M Scotchlite reflective material - 9740 silver Industrial wash flame resistant (FR) transfer film.
- 3M 9740 silver Scotchlite is certified to the current editions of ANSI/ISEA 107 and CSA-Z96 high visibility safety apparel standards.
- 3M 9740 exceeds NFPA 70E electrical arc thermal performance value requirements.



- Retains excellent color and appearance after continual industrial laundering.
- Ease of movement – The fabric is flexible, soft and provides great ease of movement.

**3M Scotchlite™**  
Reflective Material



## FR SAFETY VEST

**Brand:** Tecasafe Plus 580™.  
**Composition:** Modacrylic, Cellulose & Aramid.  
**Weight:** 5.8 oz (195 GSM) Twill Weave.  
**Colors:** Orange. High-Vis Yellow  
**Wicking Technology:** Inherited - Coolderm™  
**Protection:**

- Flame Resistant: NFPA 2112
- Arc Flash: NFPA 70E Category 1 – ATPV (ASTM 1959) 6.5 cal/cm²
- Total Body Burn (ASTM 1930) 6.8% (Aitex Report attached)
- Thermal Shrinkage: (NFPA 2112) less than 5% in any direction.

## MAIN APPLICATIONS

Oil & Gas, Petrochemical Industry, Electrical Supply Utilities

## COLOR OPTIONS

Green & Orange



**Available sizes:** S,M,L,XL  
**Part number:** FH580FR3MR

## PERFORMANCE

STANDARD	RESULTS
<b>ASTM D6413:</b> <i>Standard Test Method for Flame Resistance of Textiles (vertical test)</i>	<b>Pass</b>
<b>AATCC135:</b> <i>This test method is intended for the determination of dimensional (length and width) changes of fabrics when subjected to home laundering procedures.</i>	<b>Pass</b>
<b>ASTM D3776:</b> <i>Standard Test Methods for Mass Per Unit Area (Weight) Of Fabric</i>	<b>5.8 Oz.</b>
<b>ASTM D5034:</b> <i>Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)</i>	<b>Pass</b>
<b>ASTM D1424:</b> <i>Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus</i>	<b>Pass</b>
<b>ASTM D434:</b> <i>Standard Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam</i>	<b>Pass</b>
<b>AATCC Method 61:</b> <i>Evaluate the colorfastness to laundering of textiles expected to withstand frequent launderings.</i>	<b>Pass</b>
<b>ASTM D3512:</b> <i>Pilling Resistance (rating from 1-5, 1 Poor – 5 Best)</i>	<b>5</b>
<b>SunSHIELD™</b> <i>UV Protection</i>	<b>50+ UPF</b>
<b>Wicking</b>	<b>0.5": 3.5 Sec 1.0": 13.0 Sec 1.5":29.0 Sec 2.5":61.0 Sec</b>

## COVERS FOR FIRE FIGHTING EQUIPMENT

They will protect your extinguisher from harmful UV rays that deteriorates some rubbers and plastics, rendering the extinguisher unfit for use, The covers also serve as a good deterrent against passing vandals when they are placed in unsupervised areas, Easy identification and quick access is essential in an emergency.

All covers are made with open back and hook and loop closure for quick and easy removal.

**MODEL NUMBER: FEC1-PR-FHC**



### DESCRIPTION:

- 10 oz vinyl laminated pvc fabric meets the flame retardant standards for NFPA-701
- Thickness: 14 Mils
- Fit portable (10 lb, 20 lb, 30 lb) pressurized and cartridge-operated extinguishers.
- Mildew resistant UV resistant, waterproof, resistant to tearing, and meeting the Flame retardant standards NFPA-701.
- Part number. FEC1-PR-FHC.

### AVAILABLE SIZES:

- Cover for portable fire EXT
- Cover for wheeled fire EXT up to 150 LBS type C
- Cover for wheeled fire EXT up to 150 LBS type D

### PART NUMBERS:

- FEC1-PR-FHC
- FEC-W150C-FHC
- FEC-W150D-FHC

## POLYESTER ORANGE WINDSOCK

Windssocks are manufactured of long-life polyester fabric that is treated to resist the effects of wind and weather. All seams are doubled stitched with polyester thread for strength The windsock throat is reinforced and has solid brass grommets for easy attachment and corrosion resistance. A fastening cord is included with each windsock. Windssocks are available in high visibility orange.



### AVAILABLE SIZES:

- 28" Diameter
- 18" Diameter
- 13" Diameter

### PART NUMBERS:

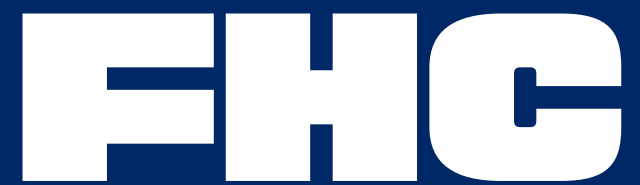
- Size 28": PWS28
- Size 18": PWS18
- Size 13": PWS13



### DESCRIPTION:

- Manufactured of long-life polyester fabric 8.5 Oz that is treated to resist the effects of wind and weather.
- Mildew resistant , UV resistant.
- All seams are double stitched with polyester thread for strength.
- The windsock throat is reinforced and has solid brass grommets for easy attachment and corrosion resistance.
- A fastening cord is included with each windsock





**We take personal protection seriously.**

**Our Flame-Resistant Workwear range is made from the world's most high-tech lightweight fabrics developed by TenCate, the world's leading flame-resistant (FR) fabric innovator.**

Offering custom-made solutions with a focus on meeting cost target, quality, and delivering on time.

**Features:**

- Design services from concept through to delivered product ensuring compliance to any relevant safety standards.
- Custom Tecasafe Plus fabric colours can be developed upon request.
- Embroidery Logos can be developed to match your corporate colors.
- FHC has back up fabric held in Tecasafe factories for shortest possible customer delivery times on delivery.
- Tecasafe® Plus production processes are of the highest standard, including UL certification.
- Vented and non-vented options are available in most garments.



**RELIABLE  
INDUSTRIAL  
WORKWEAR  
SOLUTIONS**

**OUR MISSION:  
PROTECT YOU & YOUR WORKERS.**



**Aramco Manufacturing**  
**ID# 10006204**

**FHC**

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