



**Ara-Tek FR™ Tri-Blend**



- Redesign of popular Cobra™ Ultimate™ Sure-Fit™ hood.
- Added 6" to width for exceptional shoulder coverage and reduction of bunching at chest and back.
- Increased width of Sure-Fit panel by 1.25" for a more comfortable fit over SCBA mask and mask hardware.
- Added 2" to the length ensuring complete chest coverage and that the hood stays tucked in even after laundering shrinkage (5" longer than NFPA requires).
- Contours better to the shape of the head for improved fit and comfort.
- Fuller cut builds a little "ease" into the hood so it doesn't fit skin tight like typical hoods. This more generous cut gives hood improved thermal resistance from flame and heat due to the extra space (layer of air) between hood and head.

Similar comfort and flame and thermal resistance to the popular Nomex®/Lenzing FR® blend at a fraction of the cost. Where Ara-Tek FR™ really shines is its durability and arc resistance.

**PHYSICAL PROPERTIES**

<b>Material Weight</b>	6 oz. / 204g
<b>Outer Color</b>	White
<b>Thread Colors</b>	Natural (White) or Black

**TEST RESULTS**

<b>Thermal Protective Performance (TPP)</b>	
Initial / After 5 Washings	27.9 sec / 26.4 sec
<b>After Flame</b>	
Initial (Warp x Fill)	0.0 sec x 0.0 sec
After 5 Washings	0.0 sec x 0.0 sec
<b>Char Length</b>	
Initial (Warp x Fill)	61 mm x 55 mm
After 5 Washings	57 mm x 73 mm
<b>Heat and Thermal Shrinkage</b>	
After 5 Washings	-0.6% to 1.1%
<b>Fabric Burst Strength</b>	368 N
<b>Seam Burst Strength</b>	843 N
<b>Melt or Drip When Exposed to Flame</b>	None
<b>Limited Oxygen Index (LOI) ASTM D 2863-95</b>	29
<b>Arc Thermal Performance Value (ATPV)</b>	9.3
<b>Hazard Risk Category (HRC)</b>	HRC 2



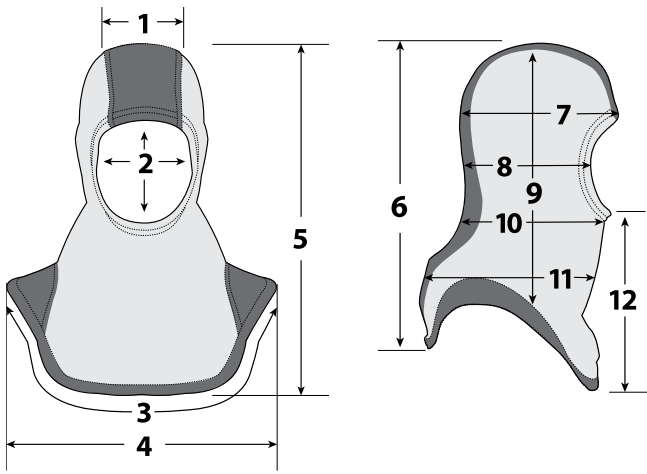
Style Number



UL test ratings can fluctuate from fabric lot to fabric lot.

08/21

**COBRA™**  
**NEXTGEN™**  
 A New Generation of Fire Fighting Hoods



### HOOD DIMENSIONS - ONE SIZE HOOD FITS ALL

1. 4" wide Sure-Fit™ center panel from top of face opening to bottom drape of hood, in place of traditional center seam.
2. Face opening is circular and measures between 4.6" to 5.6" in diameter.
3. Width around bottom (1/2) approx. 24.25".
4. Width of hood from edge of shoulder cap to opposite edge of shoulder cap approx. 19.25".
5. Length of hood at front top to bottom approx. 23".
6. Length of hood at back from top to bottom approx. 20".
7. Width of hood above face opening approx. 8.75".
8. Width of hood mid face opening to back approx. 7.75".
9. Length of hood at side from top to bottom approx. 19.5".
10. Width of hood 1" below bottom of face opening approx. 11".
11. Width of hood above shoulder cap approx. 14".
12. Length of hood below face opening approx. 12.5".

### OPTIONS:

#### THREAD

NextGen hoods are available sewn with either color-coordinated (matching) or color-contrasting 100% Nomex® thread.

#### EMBROIDERED PATCHES

100% Nomex embroidered patch. Minimum order 25 each.

#### INK HEAT TRANSFERS

High resolution multi-color transfers. Minimum order 100 each.

### STITCH TYPES AND SEAMS:

- All stitching conforms to Federal Standard 751 Specifications (FED-STD-751).
- Major seams are flat seam assembled, stitch type 607.
- Elastic in face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch, stitch type 406.
- Binding is applied with bottom cover-stitch, stitch type 406.

### CONSTRUCTION:

- Composed of two layers throughout with a 4" wide Sure-Fit panel for improved comfort, fit and performance.
- For a contoured fit the hood is seamed from top of face opening to bottom back.
- Face opening is circular in shape and serged with x-heavy duty ½" wide elastic around the perimeter. The elastic is then folded back ½" and cover stitched. The face opening stretches a full 16" (which is 25% more than conventional hoods) for easy donning and a snug fit around face of SCBA mask. Face opening maintains original shape after repeated launderings.
- Bottom edge of hood is bound with self-material bias binding.
- Gusset added at side seams to provide complete shoulder coverage and smoother drape.

### LABELING AND USER INFORMATION:

- Flame resistant label is sewn down on four sides. Facilitates tracking and identification through barcoding, sequential numbering and personalization. Owner identification at bottom of each label in an area which shows PROPERTY OF: \_\_\_\_\_. Simply write your name with permanent laundry marker directly to label for permanent identification.
- Each hood is clearly labeled to identify material contents, NFPA acceptance, UL Classification, CAL-OSHA Compliance, Date of Manufacture, Lot Tracking Number, Style Number, Arc ATPV Rating and Hazard Risk Category (HRC), Statement of Made in USA and care instructions.
- Each hood includes a complete users information guide.

### MEETS OR EXCEEDS INDUSTRY STANDARDS:

- UL Classified to meet or exceed the current hood requirements of NFPA 1971, standard on Protective Ensemble for Structural Firefighting.
- Compliant with CAL-OSHA, Sections 3406 and 3410(d) and OSHA Rule 29 CFR, Part 1910, 269.
- Arc rated hoods comply with requirements of NFPA 70E. Meeting the performance specifications of ASTM-F-1959/1959M and ASTM-F-1506.

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