



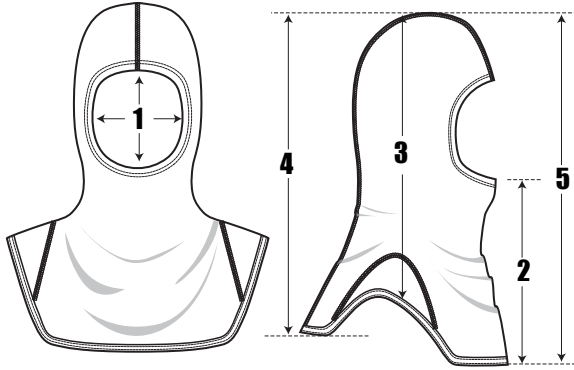
## COBRA™ ULTIMATE HOOD

30400-00-120093 (Heather Grey)

30400-00-120098 (Black)



Para-Tek FR™



### HOOD DIMENSIONS – ONE SIZE HOOD FITS ALL

1. Face opening is circular and measures between 4.6" to 5.6"
2. Length of hood below face opening approximately 12"
3. Length of hood at side from top to bottom approximately 19.5"
4. Length of hood at front and back from top to bottom approximately 20"

### DESIGN

- Double ply hood - Provides coverage of neck, upper chest, shoulders and shoulder blades
- Longer Design
- Gusset at side seams
- Flat stitched seams
- X-heavy 1/2" wide elasticized face opening
- Cover stitched bound drape

### THREAD

- All seams are sewn with 100% Nomex thread size Tex 40.

### STITCH TYPES AND SEAMS

- All stitching conforms to Federal Standard 751 Specifications (FED-STD-751).
- Major seams are flat seam assembled with stitch type 607.
- Drape attachment to top is done with stitch type 401 and reinforced with stitch type 605.
- Elastic around face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch type 406.
- Binding is applied with bottom cover-stitch type 406.

# SPECIFICATIONS

### FABRIC: PARA-TEK FR™ TRI BLEND

WEIGHT: 203 gsm (6 oz/yd<sup>2</sup>)

#### FABRIC DESCRIPTION:

- Outer shell and lining are Lenzing FR®, High Strength Para-Aramid, High-Tenacity Nylon
- 1 x 1 rib knit fabric - knit to allow approximately 130% stretch for stretch and recovery
- Calendered to minimize laundry shrinkage

⚠️ ARC RATING: 33 | HRC RATING: 3

### CONSTRUCTION

- Entire hood is composed of two layers of knit fabric.
- For contoured fit, hood is seamed from top of face opening to back bottom hem.
- Bib is an extension of hood for a smooth transition and reduced bulk at neckline.
- Face opening is circular in shape and serged with x-heavy duty 1/2" wide elastic around the perimeter. The elastic is then folded back 1/2" and cover-stitched. The face opening stretches 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.
- Gusset added at shoulders to provide complete shoulder coverage and smoother drape.
- The bottom edge of bib is bound with self-material bias binding.

### LABELING AND USER INFORMATION

- UL Certified FR label facilitates tracking and identification through bar-coding, sequential numbering and personalization.
- "PROPERTY OF: \_\_\_\_\_" feature allows user to simply write their name with permanent laundry marker directly on label for permanent identification.
- Each hood is clearly labeled to identify material contents, NFPA acceptance, UL Classification, Date of Manufacture, Lot Tracking Number, Style Number, Statement of Made in USA and Care Instructions.
- Each hood includes a complete user 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 CFT, Part 1910, 269. Compliant with NFPA 70E Current Edition and meets performance specifications of ASTM-F-1506
- ARC Rating: 33 - Hazard Risk Category: 3



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# SPECIFICATIONS

## COBRA™ ULTIMATE HOOD

30400-00-120093 (Heather Grey) & 30400-00-120098 (Black)

FABRIC PERFORMANCE VALUES	NFPA 1971 REQUIREMENTS	PARA-TEK FR
Thermal Protective Performance (TPP)		
■ As Received	≥ 20.0	32.7
■ After 5 Washings	≥ 20.0	31.5
Total Heat Loss (THL)	≥ 325 W/m <sup>2</sup>	W/m <sup>2</sup>
Flame Resistance Test		
After Flame (Wales x Courses)		
■ As Received	≤ 2.0 s	0.0 s x 0.0 s
■ After 5 Washings	≤ 2.0 s	0.0 s x 0.0 s
Char Length (Wales x Courses)		
■ As Received	≤ 100 mm	42 mm x 44 mm
■ After 5 Washings	≤ 100 mm	28 mm x 41 mm
Cleaning Shrinkage Resistance Test		
Hood Measurement		
■ After 5 Washings	≥ -5.0%	-0.7 to 0.0%
Face Opening Measurement		
■ After 5 Washings	MEETS REQUIREMENTS	YES
Heat & Thermal Shrinkage Resistance Test		
Hood Measurement		
■ As Received	≥ -10.0%	-1.4 to 0.0%
■ After 5 Washings	≥ -10.0%	-0.4 to 0.9%
Face Opening Measurement		
■ As Received	MEETS REQUIREMENTS	YES
■ After 5 Washings	MEETS REQUIREMENTS	YES
Fabric Burst Strength Test	≥ 225 N	476 N
Seam Breaking Strength Test	≥ 181 N	789 N
Melt or Drip When Exposed to Flame	NO MELTING OR DRIPPING	NONE

Para-Tek FR™ is PGI's proprietary Tri-Blend that leverages the benefits of three fibers - High Strength Para-Aramid, Lenzing FR®, and High Tenacity Nylon. Available in black and heather grey, which all fibers are solution dyed. The main benefit of solution dyeing is that the dye pigment is added to the polymer before the fiber is extruded into yarn. The color, therefore, is an inherent part of the yarn itself making it the most permanent dye method possible. The end result is a lightweight, breathable hood that offers exceptional flame and heat resistance and a high arc rating 33 (Level 3). When tested for vertical char length the Para-Tek FR™ fabric had the lowest char lengths we've ever seen averaging 28mm (1.1") in the wales direction and 41mm (1.6") in the courses direction after five launderings. For comparison purposes, 100% Nomex® has more than four times longer char lengths in the wales direction and over three times longer char lengths in the courses direction. Thermal Protective Performance (TPP) results were equally impressive with a TPP rating of 31.5 after five washings. Only the PBI/Lenzing FR blend with our Comfort Plus™ liner - 39 TPP rating, had a better rating.

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