

39707-00-169093 Comprehensive Coverage
with Extended Bib and Nomex® Nano Flex Sure-Fit™ Panel
and Face Opening

HOOD DIMENSIONS - ONE SIZE HOOD FITS MOST

1. Sure-Fit™ panel 5" is one continuous piece of laminate that extends from top of face opening to the bib seam, in place of traditional center seam.
2. Laminate fabric extends to circular face opening, which is 4.5" to 5.5" in diameter.
3. Width around bottom (1/2) approximately 29".
4. Width around hood from edge of shoulder cap to opposite edge of shoulder cap, approximately 20.5".
5. Front length of hood from top to bottom, approximately 24".
6. Back length of hood from top to bottom, approximately 22.5".
7. Width of hood above face opening, approximately 11".
8. Width of hood mid-face opening to back, approximately 9.25".
9. Length of hood at side from top to bottom, approximately 21".
10. Width of hood 1" below bottom of face opening approximately 12".
11. Width of hood above shoulder cap, approximately 16.5".
12. Length of hood below face opening, approximately 13".

CONSTRUCTION

- Laminate BarriAire™ Silver fabric throughout, including Sure-Fit™ panel.
- Sure-Fit™ panel provides improved comfort, fit and performance.
- Sure-Fit™ panel, 5" wide, begins at face opening and extends to the bib seam.
- For contoured fit, hood is seamed from top of face opening to the bib seam.
- Face opening is circular and serged with x-heavy duty 1/2" wide elastic around the perimeter. The elastic is then folded under 1/2" and cover-stitched. The face opening stretches to 16" (25% more than conventional hoods) for easy donning and a snug fit around face of SCBA mask. Face opening maintains original shape after repeated laundering.
- Extra-large design laminate bib begins at neck seam for complete shoulder coverage and is contoured for a smoother drape.
- Bottom hem of hood is bound with Para-Tek FR rib knit binding.

SPECIFICATIONS

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.
- 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.

LABELING AND USER INFORMATION

- UL Certified FR label facilitates tracking and identification through barcoding, 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 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.
- UL Certified to the NFPA 1971, 2018 Edition Option for Particulate Protection.

Single Layer Laminate FR Composite
Outer Knit Layer: Gray Nomex® Blend
Middle Layer: Nomex® Nano Flex
Inner Knit Layer: White Nomex® Blend
Weight/Thickness: 460 gsm (13.8 oz/yd ²) / 1.6 mm (63 mil)
Fabric Description: An innovative lamination process, which covers only 50% of the material, allows for great air permeability and flexibility. The pore matrix created by the Nomex® Nano Flex fiber allows moisture absorption 3 times faster than PTFE laminates. The materials and lamination process creates a fabric that has unparalleled particulate efficiency, comfort and protection.
Para-Tek FR Rib Knit
Weight: 203 gsm (6 oz/yd ²)
FABRIC DESCRIPTION: PGI's proprietary tri-blend of Lenzing FR®, high strength para-aramid and high tenacity nylon. This superb flame resistant fiber combination offers an outstanding TPP rating, arc flash protection and excellent moisture absorbency.



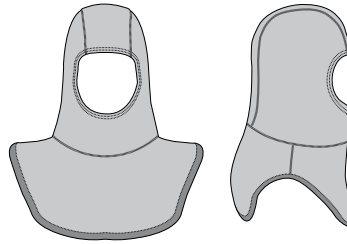
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COBRA™

BarriAire
Particulate Barrier Technology
SILVER HOODS™

Style: 39707-00-169093 **Comprehensive Coverage**
with Extended Bib and Nomex® Nano Flex Sure-Fit™ Panel and Face Opening



□ BarriAire Silver Laminated
FR Composite

ISO 9001: 2015 Registered Manufacturer

FABRIC DESCRIPTION

BarriAire Silver Laminated

FR Composite: An innovative lamination process, which covers only 50% of the material, allows for great air permeability and flexibility. The pore matrix created by the Nomex® Nano Flex fiber allows moisture absorption three times faster than PTFE laminates. The materials and lamination process creates a fabric that has unparalleled particulate efficiency, comfort and protection. PGI laminated BarriAire Silver composite fabric recently achieved VFE Rating of 99.7% and BFE Rating of 99.9%*

Fabric Performance Values	NFPA 1971 Requirements	Comprehensive Coverage
Particulate Efficiency		
■ Lowest Average as Submitted	≥ 90.00%	98.83%
■ Lowest Average after 10 Washings	≥ 90.00%	98.85%
Viral & Bacterial Filtration Efficiency*		
■ Viral Filtration Efficiency (VFE)	N/A	99.7%
■ Bacterial Filtration Efficiency (BFE)	N/A	99.9%
Air Permeability After Home Laundering		
■ As Received	N/A	12.26 cfm
■ After 100 Home Launderings	N/A	11.60 cfm
Thermal Protective Performance (TPP)		
Laminated		
■ As Received	≥ 20.0 (min)	23.0
■ After 5 Washings	≥ 20.0 (min)	24.8
Total Heat Loss (THL)	≥ 325 W/m ²	479.1 W/m ²
Hood Material Burst Strength	≥ 225 N	711 N
Flame Resistance Test - Laminated		
After Flame (Wales x Courses)		
■ As Received	≤ 2.0 sec	0.4 sec x 0.4 sec
■ After 5 Washings	≤ 2.0 sec	0.4 sec x 0.4 sec
Char Length (Wales x Courses)		
■ As Received	≤ 100 mm	8 mm x 7 mm
■ After 5 Washings	≤ 100 mm	6 mm x 7 mm
Cleaning Shrinkage Resistance Test		
Hood Measurement		
■ After 5 Washings	≥ -5.0%	-1.0%
Face Opening Measurement		
■ After 5 Washings	Meets Requirement	YES
Heat & Thermal Shrinkage Resistance Test		
Hood Measurement		
■ As Received	≥ -10.0%	-0.6%
■ After 5 Washings	≥ -10.0%	-0.4%
Face Opening Measurement		
■ As Received	Meets Requirement	YES
■ After 5 Washings	Meets Requirement	YES
Seam Breaking Strength Test		
Laminated to Laminated		
■ Location: Back Panel	≥ 181 N	832.00 N
■ Location: Bib Attachment	≥ 181 N	630.00 N
Melt or Drip When Exposed to Flame	No Melting or Dripping	NONE

*Viral and Bacterial Filtration Efficiencies as conducted by Nelson Labs, U.S.A. All other test results as conducted by UL LLC. UL Classified to meet or exceed the current hood requirements of NFPA 1971 Standard on Protective Ensemble for Structural Firefighting – 2018 Edition. All rights reserved. Because of our ongoing commitment to product quality and development we reserve the right to change, cancel, discontinue or alter any specification, design or feature without prior notice and without incurring obligation. DuPont™ and Nomex® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company or its affiliates.

