

**Bid2020-225 Structural Firefighting Particulate Hoods**

- 2 bids received

CODE: 35-235 Fire Department/Supplies-Fire Fighting

MANNER OF AWARD: \$15,000.00  
One Year from date of Award

RECOMMEND: Shipman's Fire Equipment Co., Inc.

Shipman's Fire Equipment Co., Inc.  
172 Cross Rd.  
Waterford, CT 06385

Fire Tech & Safety  
100 Business Park Dr.  
Tyngsborough, MA 01879

Item #	Description	Shipman's Fire Equipment		Fire Tech & Safety	
		Make and Model	Price	Make & Model	Price
1	Structural Firefighting Particulate Hood NFPA 1971, 2018 Edition Compliant <b>COLOR-TAN</b>	PGI P/N 3979471-7 Nano Flex Particulate Barrier Hood	\$83.95/ea.	Lion Particulate Hood HD395146	\$93.95/ea.
	Exceptions to Specifications	See Attachment #1		No Exceptions to Specifications	

Continued next page

**Warwick FD Bid Exceptions  
11/11/2019**

General Requirements	Meets Requirements			Exceptions
	Yes	No	Exception	
a) Standards	XX			
b) Standards	XX			
c) Standards	XX			
d) Manufacturers Warranty	XX			
Technical Specifications	Meets Requirements			
	Yes	No	Exception	

<p>1. BarriAire Gold outer shell is a 5.5-ounce jersey knit fabric composed of a meta-aramid/para-aramid/high tenacity nylon blend with a DWR (Durable Water Repellent) finish.</p> <p>2. BarriAire Gold inner layer is the same composition, but DWR finish is not applied.</p> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>• BarriAire Gold fabric composition offers excellent heat, flame and thermal resistance with high tensile &amp; tear strength ensuring a wear life of 100+ launderings with minimal shrinkage.</li> <li>• BarriAire Gold fabric outer shell's DWR finish offers superior soil &amp; water repellency with outstanding stain release performance, which significantly reduces build-up of toxic residue that is easily absorbed by non-treated fabrics and enables hood to dry 2 x 3 times faster.</li> <li>• BarriAire Gold inner layer pulls moisture away from the skin to the outer shell where it can evaporate keeping the firefighter drier.</li> </ul>					<p><b>1) Knit Outerlayer</b></p>
<p>Lightweight inner layer of Duronite™ Nomex™ Para-Aramid fabric inhibits penetration of harmful contaminants and carcinogenic particulates between 0.1 and 1.0 microns. Averages 95%-98% particulate filtration efficiency that actually improves with repeated launderings.</p> <p><b>Additional Benefits:</b></p> <ul style="list-style-type: none"> <li>• Exceptional breathability, comfort and reduced potential for heat stress compared to PTFE particulate barrier hoods, which have virtually no air permeability and lock in air.</li> <li>• Quiet to allow unrestricted hearing compared against laminated PTFE hoods which adversely affect communication and situational awareness.</li> </ul>		XX		XX	<p><b>2) Particulate Blocking Layer</b></p> <p><b>3) Sizes</b></p>

4) Labeling	XX																																									
5) User Information Guide	XX																																									
6) Hood Construction	XX																																									
7) Hood Layers																																										
8) Construction																																										

**3-Layer Design:** Uniquely quilted to stabilize and enhance particulate barrier durability & efficiency.

- **Outer Layer:** PGI BarriAire Gold FR fabric offers excellent heat, flame and thermal resistance with superior tensile & tear strength ensuring a longer wear life. DWR finish enhances the release of contaminants during washing and allows hood to dry 2x-3x faster than non-treated fabrics.
- **Middle Layer:** DuPont™ Nomex® Nano Flex particulate barrier is lightweight with exceptional breathability, allows excellent hearing & situational awareness, and inhibits penetration of particles between 0.1 and 1.0 microns in size.
- **Inner Layer:** PGI BarriAire Gold FR fabric is engineered to wick moisture from skin, is designed with a softer hand, and is hypoallergenic making it more comfortable next to the skin.

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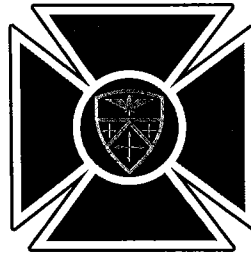
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Structural Firefighting Particulate Hoods - Vendor List 12/18/2019

<b>VENDOR</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
Shipman's Fire Equipment Co.	172 Cross Road P.O. Box 257	Waterford	CT	06385
Firematic Supply Co.	23 Birch Street	Milford	MA	01757
Northeast Rescue Systems	280 Milton Street	Dedham	MA	02026
Chief Supply Corp	P.O. Box 481912	Charlotte	NC	28269
Fire Tech & Safety of New England, Inc.	90 Progress Ave	Tyngsborough	MA	01879
American Fire Equipment Co.	58 Norfolk Ave	So. Easton	MA	02375
ElizaCo, Inc.	399 Pleasant Ave.	Hamburg	NY	14075
C & S Specialty, Inc.	1181 Old Smithfield Rd.	N. Smithfield	RI	02896
Globe Fire Suite	37 Loudon Rd. P.O. Box 128	Pittsfield	NH	03263
Ed Lyons Fire Equipment, Inc.	1643 Central Street	Stoughton	MA	02072
Safeware, Inc.	5641 S. Laburnum Ave.	Richmond	VA	23231
Shoreline Fire Equipment Co.	P.O. Box 1077	Old Saybrook	CT	06475
Quest Protective Clothing	408 Russell Ave.	Walsenburg	CO	81089
MTS Safety Products	P.O. Box 204	Golden	MS	38847



Jason Umbenhauer  
Assistant Chief



Office: (401) 468-4044  
Fax: (401) 468-4043

Warwick Fire Department  
111 Veterans Memorial Drive  
Warwick, Rhode Island 02886

DEC 17 2019

December 17, 2019

Patricia Peshka  
Purchasing Agent  
City of Warwick

The bid for *Particulate Hoods*, Bid#2020-225 has been reviewed by the Fire Department.

Two (2) vendors submitted bids, and after evaluating pricing, the following vendor has proposed the lowest price and has met all the specifications to the satisfaction of the Department. Therefore, I recommend the bid be awarded to the following vendor:

**Shipman's Fire Equipment Co, Waterford CT**

The purchase of these particulate hoods will allow the Department to fully equip our Firefighters with a protective hood that meets the current NFPA 1971 standard. Currently, our Department members are supplied with a traditional style hood that does not provide protection from carcinogenic particulate at the vulnerable head and neck area. Recent innovations in hood design and fabrics have added a protective layer that offers protection from persistent fire ground carcinogens and other harmful contaminants.

Funding for this product will be from budget code 35-235 Firefighting Supplies.

This is new bid, and if approved, will have an effective date of 1 year from the date of the award, for an amount not to exceed \$15,000.

Please contact me should you have any questions.

Jason Umbenhauer  
Assistant Chief

Email: Jason.Umbenhauer@warwickri.com