

Cool... Comfortable...Safe...[©]



Q-Gard Quantumwear[®] is the newest addition to the QPA[™] family of products. Q-Gard Quantumwear[®] has been developed to incorporate attributes from our two industry leading protective garments, Q-Gard Comfortwear[®] and Barrierwear[®]. Through focus groups and interviews with end users, we have created a patented product that addresses every-day, real life challenges for a number of environments. This product also offers a high level of particle hold without sacrificing breathability of the garment.

Features and Benefits

Elbows and knees reinforced with an additional layer for **reduced bleed-through contamination**

Two dosimeter/doffing straps on chest for **reduced risk of contamination around the neck while doffing**

Larger hood with blue flap cover and doffing straps for increased mobility, visibility, comfort, and ease of doffing

Applications

Nuclear D&D, Rad-Con, Asbestos, Lead, and Mold Abatement, General Maintenance, Clean Rooms, Dusty Environments, Food Processing, Medical Isolation, EMT, Hospitals, Pharmaceutical Production

Why it Works

- Patented closure and doffing system helps prevent self contamination while removing the suit
- New Hood Design hugs PAPR (Powered Air Purifying Respirator) and full face masks closely for a snug fit, reducing over-taping and leakage control.
- Reinforced Knees and Elbows reduce contamination bleed-throughs
- All Q-Gard Quantumwear[®] seams are double stitched and bound, greatly enhancing seam strength and integrity
- Highest **breathability** teamed with **highest particle hold out** means **less heat stress** and **better contamination control** in remediation environments



Q-Gard Quantumwear[®] is a registered trademark of Quest Environmental & Safety Products, Inc. and is patented US 8,621,669.



Watch videos of particle hold-out and splash tests at YouTube: <http://youtu.be/hikrZwl134o>

Protecting Workers in Any Environment
www.questsafety.com (800) 878-4872



Environmental & Safety Products, Inc.

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Q-Gard Quantumwear[®] Properties

Technical properties	Method	Unit	Q-Gard Quantumwear [®] Body	Knees / Elbows
Material Manufacturer	NA	NA	Quest	Quest
Weight	ASTM D3776	OSY	1.5	1.8
Fiber Composition	NA	NA	100% PP	PP/PE Microporous Laminate
Grab Tensile strength	ASTM D5034	lb./in MD lb./in CD	36 21	29.8 31.5
Elongation	ASTM D5034	% MD % CD	82 100	65.8 76.7
Trap Tear	ASTM D5733	lb./in MD lb./in CD	19 10	10.3 10.2
Mullen Burst	ASTM D3786-87	psi	32	42
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Hydrostatic Head	AATCC I27	cm	62	110
MVTR (50%HR @ 90°F)	ASTM E-96	grams/24h/m ²	5,200 - 6,200	3,400
Air Permeability	ASTM D737	ft ³ /min/ft ²	33	Data N/A
Static Decay	NFPA 99	<0.5 sec	Pass	Pass
Resistance to Ignition	16CFR1610	Class 1	Pass	Pass
Linting (> 0.5mm)	Helmke Drum			
Resistance to Puncture	IES-RP-CC-003.2	Particle / min	243.2	760
Filtration Efficiency	ASTM F1342-91	lbs.	1.1	1.3
Bacterial Filtration Efficiency	Latex Particle Challenge Staphylococcus	% @ 1.0µ % @ 3.0µ	77 94.4	No Permeation No Permeation

Q-Gard Quantumwear[®] Hood & Boot – White

Size	Part #
L	01153
XL	01154
2XL	01155
3XL	01156
4XL	01157
5XL	01158
6XL	01159



Q-Gard Quantumwear[®] No Hood, No Boot – White

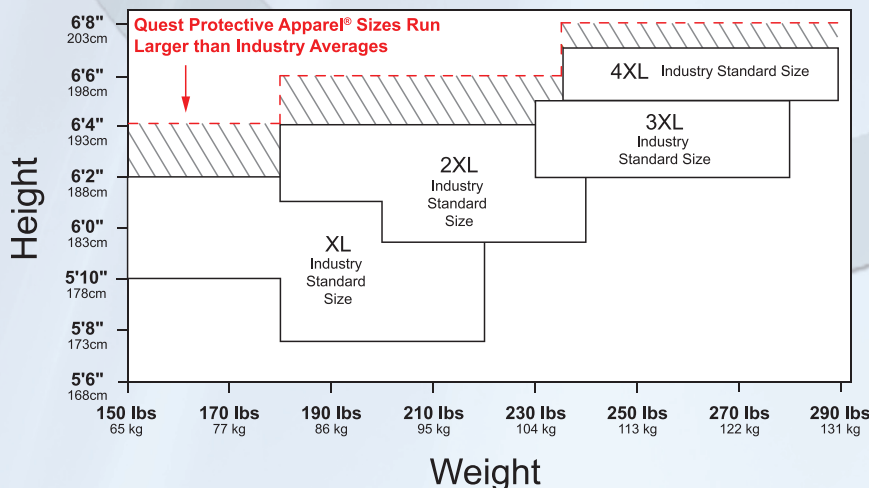
Size	Part #
L	01163
XL	01164
2XL	01165
3XL	01166
4XL	01167
5XL	01168
6XL	01169



Q-Gard Quantumwear[®] Separate Hood, White One Size Part # 0115-H



Q-Gard Quantumwear[®] Separate Boot – White One Size Part # 0115-B



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