



## Q-Gard Quantumwear®

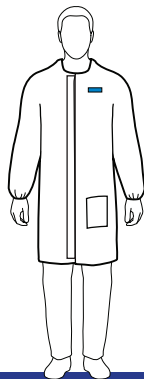
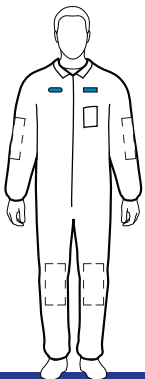
Patented Design Bound Seams Dry Particulate & Liquid Hold Out

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 interviews and focus groups with end-users, we have created a **patented product** that addresses everyday, real life challenges for a number of environments. This product also offers a high level of particle hold out without sacrificing breathability of the garment. The **Real World Design**® puts more material in high stress areas such as the shoulders, crotch, and seat, reducing blowout. Increase productivity and reduce cost. **Cool. Comfortable. Safe.**



- Clean Manufactured
- Low Linting
- High Resistance to Puncture

- Meets NFPA 99 Antistatic
- ISO Class 5 Compatible
- Strong Double Stitched Seams



US Patent # 8,621,669

**Coverall**  
**0116\_**  
**patented design**, zipper closure, elastic back, no hood/boot, collar, dosimeter straps, chest pocket, white  
**Sizes:** LG-6XL  
**Case Pack:** 25

**Frock**  
**QU0103\_**  
zipper flap closure, collar, elastic wrist, 1 pocket, hemmed edge, long sleeve, dosimeter strap, white  
**Sizes:** XL, 3X, 6X  
**Case Pack:** 30

**Coverall**  
**0115\_**  
**patented design**, zipper closure, hood and boot, elastic wrist ankles and back, dosimeter straps, white  
**Sizes:** LG-6XL  
**Case Pack:** 25

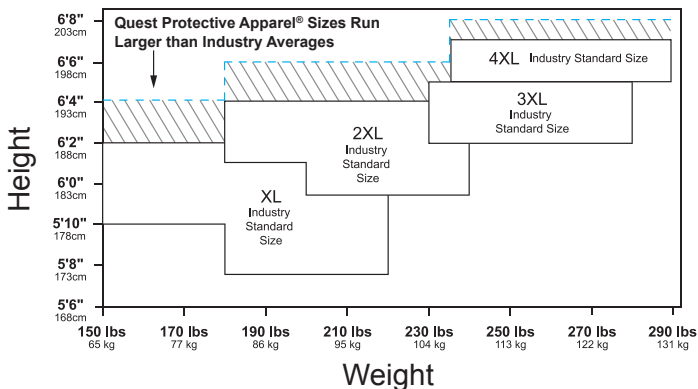
The patented design dramatically reduces the risk of contamination during the donning, doffing, and decontamination processes. Superior design features an adjustable neck closure system. The specially designed doffing tabs and sequenced, peel-away procedure eliminate contamination risk, an industry best practice.



Cool... Comfortable... Safe...<sup>©</sup>

## Q-Gard Quantumwear<sup>®</sup> Properties

Technical Properties	Method	Unit	Q-Gard Quantumwear <sup>®</sup> 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
Crab Tensile strength	ASTM D5034	lb./in MD	36	29.8
-	-	lb./in CD	21	31.5
Elongation	ASTM D5034	% MD	82	65.8
-	-	% CD	100	76.7
Trap Tear	ASTM D5733	lb./in MD	19	10.3
-	-	lb./in CD	10	10.2
Mullen Burst	ASTM D3786-87	psi	32	42
Hydrostatic Head	AATCC 127	cm	62	110
MVTR (50%HR @90 F)	ASTM E-96	grams/24h/m <sup>2</sup>	5,200 - 6,200	3,400
Air Permeability	ASTM D737	ft <sup>3</sup> /min/ft <sup>2</sup>	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	-	-	-
-	IES-RP-CC-003.2	Particle / min	243.2	760
Resistance to Puncture	ASTM F1342-91	lbs.	1.1	1.3
Filtration Efficiency	Latex Particle Challenge	% @ 1.0μ	77	No Permeation
Bacterial Filtration Efficiency	Staphylococcus	% @ 3.0μ	94.4	No Permeation



Q-Gard Quantumwear <sup>®</sup> Body Hood & Boot - White		Q-Gard Quantumwear <sup>®</sup> Body No Hood & No Boot - White		Q-Gard Quantumwear <sup>®</sup> Body No Hood & No Boot - w/PT	
Size	Part #	Size	Part #	Size	Part #
L	01153	L	01163	-	-
XL	01154	XL	01164	XL	01164PT
2XL	01155	2XL	01165	2XL	01165PT
3XL	01156	3XL	01166	3XL	01166PT
4XL	01157	4XL	01167	4XL	01167PT
5XL	01158	5XL	01168	5XL	01168PT
6XL	01159	6XL	01169	6XL	01169PT

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