

Honeywell | First Responder



Honeywell Life Guard Hood

A Revolution in Particulate Protection

Tough, lightweight comfort and protection you can depend on.

The Life Guard Hood blocks particulates to reduce exposure to toxins.

The Life Guard particulate resistant hood is Honeywell's latest breakthrough in safety and comfort for first responders. Your neck, and throat are highly sensitive to toxins, and the Life Guard Hood is specifically engineered to protect these vulnerable areas with a resilient, lightweight design that's as comfortable as it is dependable.

FEATURES & BENEFITS

Advanced Design

Revolutionary new hood concept designed by Honeywell's top garment design and engineering team balances protection, comfort and utility.

Protective

Blocks carcinogenic particulates in both air and water. The loose design promotes safe airflow around the head and neck.

Durable

Tough, proven materials increase resilience and wear life.

Breathable

Lightweight materials maximize breathability and minimizes heat stress.

How it Works

The hybrid design gives protection where it's needed most while optimizing comfort and utility. By replacing the traditional "sock hood" design with a lighter, looser fit, the Life Guard Hood promotes the safe flow of air around your head and neck while a trusted moisture barrier blocks exposure to hazardous particulates. The result: an innovative hood that is lightweight, comfortable, and keeps you dry even after long hours of wear. It may look different, but the Life Guard Hood deploys just like a traditional hood and readily integrates with your self-contained breathing apparatus (SCBA) and turnout gear to ensure the highest level of protection.

Why it Matters

New building materials have made structure fires far more hazardous. Modern synthetics release harmful gases and toxins when burned. Studies show that the skin and glands of the neck and face are especially prone to absorbing toxins, and some cancer rates have now been proven to be higher for firefighters than the general population (see the Firefighter Cancer Support Network's white paper on Cancer in the Fire Service for more info).

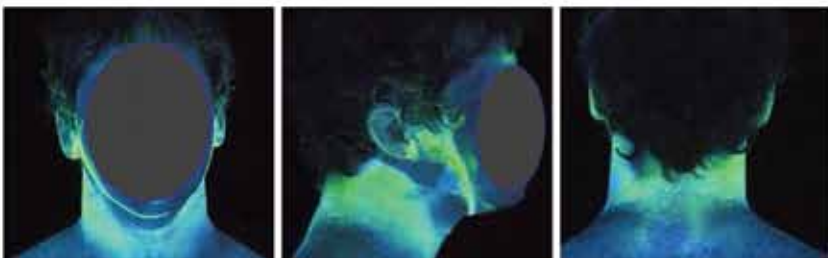


FAST Testing – TOP 10-2-022

The groundbreaking particulate exposure test conducted by the IAFF in 2015 opened all of our eyes to the issue of particulate penetration through traditional hoods.

Honeywell repeated this exact test with the Life Guard Hood with outstanding results. The Fluorescent Aerosol Screening Test (FAST) test demonstrated actual particulate resistance of the complete product in a simulated fire environment.

Traditional Hood – IAFF Jan. 2015¹



Life Guard Hood – Honeywell 2016¹



¹ Median particulate diameter, 150 mg/m³, 10mph wind speed, 30 minute exposure, standard motion routing, same test subject.

Note: Exposure on chin of Life Guard results due to doffing SCBA with contaminated hands rather than particulate penetration.

Patent Pending Design



- 1 Knit Comfort Top without barrier for natural ventilation
- 2 3 layer composite with seam sealed barrier to reduce particle penetration
- 3 Mask Mate™ face opening
- 4 Knit only drape to avoid excessive bulk

By the Numbers



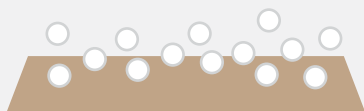
Barrier Composite Material



Knit Material

99.9%*

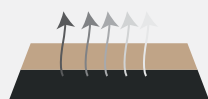
Particle Filtration
Efficiency



Thermal Protective Performance (TPP)



Breathability – Total Heat Loss (THL)



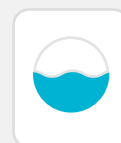
360-385
370

Weight – Lightweight



15.2 osy
16.0 osy

Laundering – Durable



50+
washes**

*per modified ASTM F2299 as proposed by NFPA 1971 for barrier hoods **performed 50 advanced cleaning cycles (50 wash, 100 dry cycles) per NFPA 1851

LIFE GUARD HOOD SIZING

FOUR SIZE OPTIONS		
Hood Size	Head Circumference ¹	Dress Cap Size
Small	20" - 21 ³ / ₄ "	6 ¹ / ₂ ", 6 ⁵ / ₈ ", 6 ³ / ₄ "
Medium	21 ⁷ / ₈ " - 22 ⁷ / ₈ "	6 ⁷ / ₈ ", 7", 7 ¹ / ₈ "
Large	23" - 24"	7 ¹ / ₄ ", 7 ³ / ₈ ", 7 ¹ / ₂ "
X-Large	24 ¹ / ₈ " - 25 ¹ / ₄ "	7 ⁵ / ₈ ", 7 ³ / ₄ ", 7 ⁷ / ₈ ", 8"



¹Head circumference is measured by the maximum circumference of the head above the ears to just above the ridges of the eyebrows, and around the back of the head.

ORDERING INFORMATION

TWO COLOR OPTIONS	
Part No.	Description
HD-213N-PRB-Size	Nomex® - Black
HD-213N-PRT-Size	Nomex® - Tan



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Honeywell is proud to be the exclusive corporate sponsor of the United States Fire Administration/National Fallen Firefighter Foundation's National Fire Service Vulnerability Assessment Project

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For more information

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