

LION TOTALCARE REDZONESM CO₂ CLEANING Exceeding Safety Standards



RedZone CO₂ cleaning, part of LION's TotalCare® Advanced PPE Cleaning, Inspection and Repair family of services, supports LION's commitment to prioritizing firefighter health and safety.

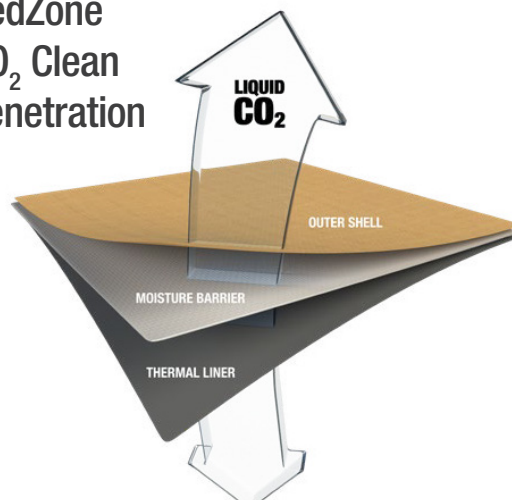
Why RedZone CO₂ Cleaning Matters

Given the chemicals released from today's fires, including those involving lithium-ion batteries, diesel, paint, tar, ethanol, oil, sewage, CBD, asphalt, fertilizer and other harmful sources, dirty gear today is no longer considered "a badge of honor."

Polycyclic aromatic hydrocarbons (PAHs) released during these events and others can bind to or form small particles in the air and adhere to PPE during firefighting. These harmful chemicals can stay in firefighting gear even after advanced water wash cleaning, and are highly absorptive through the skin.

Research shows the RedZone CO₂ cleaning process is successful at eliminating, **on average, 98% of dangerous PAHs that may negatively impact firefighters' health.** The machine is equipped with a two-stage filtration process. The first stage will remove all particles ≥ 25 microns (equivalent to lint in a dryer), and the second stage will remove all particles ≥ 5 microns (equivalent to talcum powder).

RedZone CO₂ Clean Penetration



The process can be used for all brands and models of heavily contaminated PPE:



HOODS



COATS



PANTS



DRDs



GLOVES



BOOTS



PROTECTING THE GEAR THAT PROTECTS YOU

State-of-the-Art Cleaning

Our advanced machine features a proprietary high-pressure pump that allows for continuous circulation and filtering during the wash cycle, ensuring your gear stays cleaner throughout the process. The patented method reduces the risk of re-depositing contaminants, providing a superior clean every time.

Effective at dissolving and removing contaminants that typical water cannot remove, the process:

- Eliminates, on average, 98% of PAHs
- Removes contaminants that water typically does not
- Gets rid of all odors resulting from events



The Values that Drive Our Technology and Innovations

LION's Core Values directly influence how we do business—work that includes extensive R&D and engagement with fire departments, training academies and industry professionals to develop products and services that help protect their safety and well-being before, during and after events.

PARTNERS IN PROFESSIONAL SAFETY



LION TotalCare is a committed partner in the maintenance of our department's PPE, and the added option of RedZone CO2 cleaning has provided our department with even more cleaning methods that target PAHs in contaminated gear. It's reassuring to know that our firefighters are wearing well-maintained gear that's been serviced with LION's advanced cleaning technologies.

— Michelle Redman, Warehouse Manager, Loudoun County (VA) Fire and Rescue

Let's Talk Safety

For more information, visit <https://www.lionprotects.com/redzoneco2>

