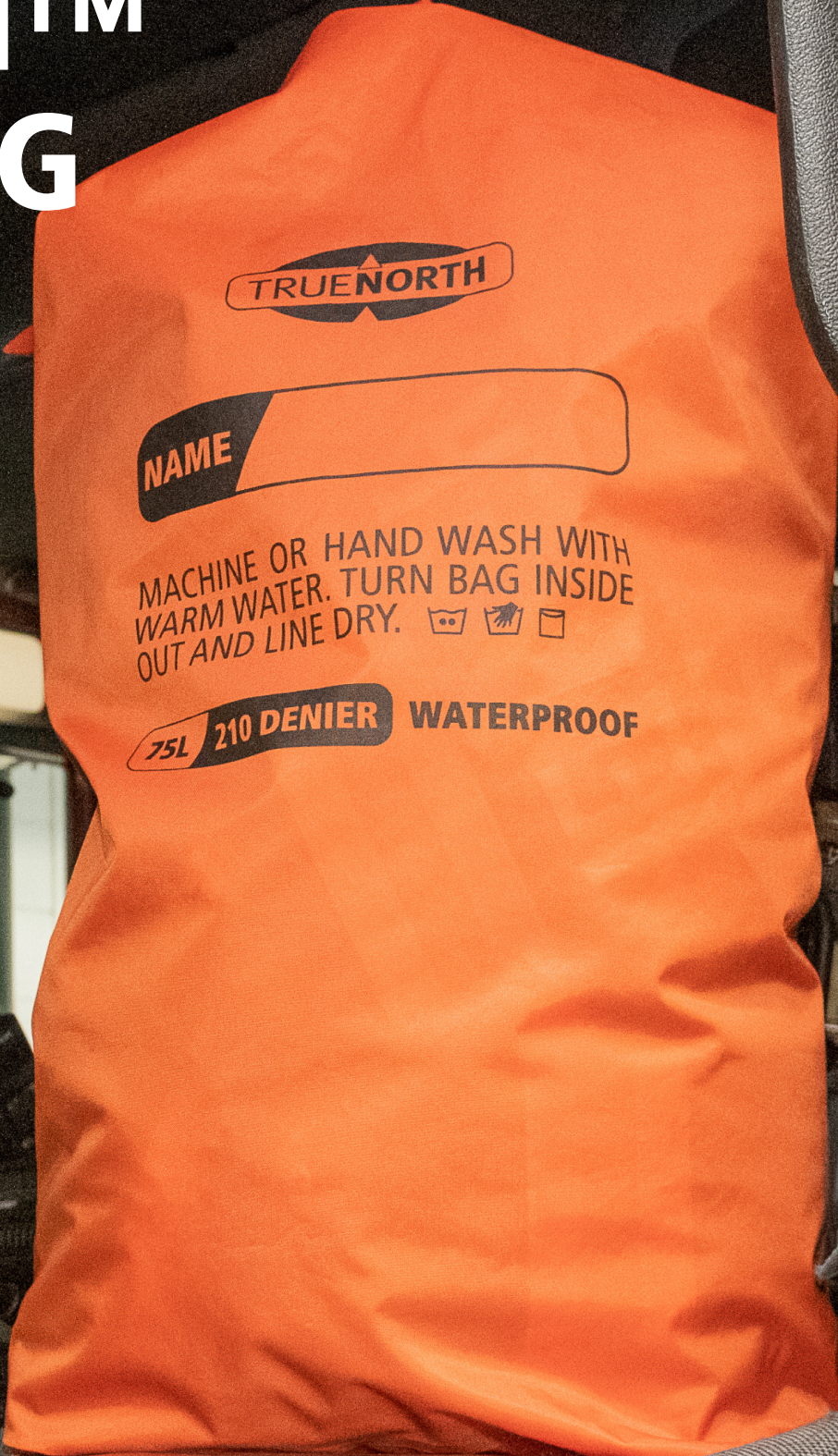




DECONTTM 75L BAG



NAME

MACHINE OR HAND WASH WITH
WARM WATER. TURN BAG INSIDE
OUT AND LINE DRY.   

75L 210 DENIER WATERPROOF

THE MISSION

PROTECTING FIREFIGHTERS FROM CARCINOGENS LEFT ON DIRTY TURNOUT GEAR

The Decon™ bag has one very important job; To protect firefighters from cancer-causing contaminants left on dirty turnout gear. With its airtight design and abrasion-resistant construction, this roomy bag reliably traps soiled gear and prevents carcinogens on PPE from migrating to the apparatus' cabin until items can be safely laundered. The durability of the 210D coated Nylon combined with welded seams allows the Decon™ Bag to be washed and hung to dry for re-use.

"We hadn't seen a product like this before."*



"This could replace the 2-3 million plastic bags we're currently using"*

REUSABLE & DURABLE

Current decon practice shows that a majority of firefighters use 6 mil trash bags to trap their dirty turnout gear. Not only is this method ineffective at sealing in carcinogens, but also has a large, yet unseen environmental impact. The Decon™ Bag not only offers safety from these harmful contaminants, but a reusable option which is carefully designed to withstand multiple uses.



*Recent wear trial between True North Gear® & a Snohomish County, WA Fire Department



THE SILENT ENEMY OF THE FIRE COMMUNITY

A 2010 study using a sample group of 30,000 firefighters across the US concluded that between 2002 and 2017, 61% of line-of-duty deaths were not the result of fire, but rather cancer. Firefighters are exposed to harmful cancer-causing contaminants which are left on

dirty turnout gear. If not properly contained and washed, firefighters are put at much greater risk of exposure to these chemicals. The True North Decon™ Bag aims to significantly reduce the exposure that firefighters have to these carcinogens.

14%

more cancer-related deaths

9%

higher risk of diagnoses

61%

of deaths were a result of cancer

2X

the risk of getting mesothelioma

The above statistics refer to a [study started in 2010 by the National Institute for Occupational Safety and Health \(NIOSH\)](#) in which 30,000 firefighters across the US took part in. The goal of the study was to uncover a potential link between firefighting and cancer rates. The study found three main

conclusions: **Firefighters had a greater number of cancer diagnoses and cancer-related deaths**, twice as many firefighters developed malignant mesothelioma (exposure to asbestos), and there were more cases of certain cancer among the younger portion of the sample group.

GOING BEYOND PROTECTION

Between the years of 2012 and 2016, there were an estimated 355,400 house structure fires per year in the US[1]. Additionally, the NFPA states that a minimum of 4 firefighters should be staffing a fire engine in order to safely, and promptly distinguish a fire and remove any living beings from inside[2]. House fires in particular expose firefighters to a variety of harmful carcinogens due to the amount of plastics found within them. Because of this, firefighters will immediately

remove dirty turnout gear and store it in 6 mil plastic trash bags. However, this can be a costly, and environmentally dangerous practice. Using a True North Decon™ Bag not only protects firefighters from carcinogens, but can also greatly reduce the environmental impact from current decon practices. We've estimated the total amount of trash bag usage based on the average number of house structure fires per year and the minimum respondent requirement of 4 firefighters.

PLASTIC TRASH BAG USAGE IN HOUSE FIRES PER YEAR

The NFPA states that a minimum of 4 firefighters should staff a fire engine

4

Firefighters

355,400

Thousand

The average number of house structure fires recorded per year between 2012 & 2016

Based on these statistics, the average number of plastic trash bags used per year in house fires is 1.42 Million

1.42M

Million

"The environmentalism of not throwing away a plastic bag each fire call is also a benefit of the Decon bag" *

[1] <https://www.nfpa.org/Public-Education/Campaigns/Fire-Prevention-Week/Fire-Facts>

[2] <https://www.iaff1775.org/how-many-firefighters>

*Recent wear trial between True North Gear® & a Snohomish County, WA Fire Department

THE CLEAN CAB CONCEPT



MAINTAINING HEALTH

To give a brief summary, the "Clean Cab Concept" is an approach to "maintaining a healthy and safe environment for firefighters"[1]. In practice, the concept centers around keeping the cab free of any equipment that may, or will be easily contaminated on the fireground. The design also introduces a "non-porous" interior so that no contaminants are not trapped within fabrics (i.e. seats, etc). Overall, the initiative strives to reduce exposure to contaminated gear and keep the air of the cab clean while doing so.



One design aspect example of the clean cab concept is removing the SCBA from the cab and instead placing it in exterior compartments. To further reduce exposure, this gear is typically put into plastic bags following decon until it can be safely dealt with - The Decon™ Bag aims to take this one step further in regards to protection and also offering a reusable alternative to trash bags.

— [Fire Engineering; The Clean Cab Concept Becomes a Reality](#)

WHERE DOES THE DECON™ BAG FIT IN THE CLEAN CAB CONCEPT?

- Airtight design traps carcinogens
- Abrasion resistant
- Can be easily stored
- Holds up to repeated laundering
- Welded seams to handle twice the amount of normal stress

WHO IS THE DECON™ BAG FOR?

PROPER DECON BENEFITS EVERYONE

Whether you're a career or volunteer firefighter, there is no particular subset of the profession that the Decon bag is made for. Overall, its main purpose is to add a layer of protection to eliminate prolonged exposure to cancer-causing contaminants on dirty turnout gear.

"Easily fit our turnout gear, and it held up well to the extractor."*



CAREER

- Fits Within the Clean Cab Concept
- Store Dirty/Contaminated Turnout Gear
- Safer Alternative to Plastic Trash Bags
- Cutting costs and lowering waste with a reusable decon option



VOLUNTEER

- Protect yourself from your PPE
- Affordable & Reusable
- Store Dirty Turnout Gear after Decon
- Safer Alternative to Plastic Trash Bags
- Keep your POV & household free from all contaminants until gear is safely laundered



TRUE NORTH DECON™ BAG FEATURES

ROLL-TOP DESIGN

The Decon™ Bag has a roll-top design with a buckle to easily trap cancer-causing contaminants left on dirty turnout gear.

MACHINE WASHABLE

The Decon™ Bag is designed to withstand multiple washes and handle an increased amount of higher than average wear-and-tear.

HIGHLY DURABLE

Made with 210 Denier material and welded seams, the Decon™ Bag is highly abrasion resistant, giving durability to handle 2x the amount of average fire equipment stress.

FEATURE SNAPSHOT

- Roll-top design keeps carcinogens sealed in
- Highly abrasion resistant
- Airtight, waterproof construction
- Welded seams withstand up to twice the average stress
- Holds up to repeated laundering
- Made with 210 Denier material





TRUE NORTH GEAR®



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