



DON'T TAKE THE **FIRE** BACK TO THE STATION

Proven over years of testing in Scandinavia, BIO-CIRCLE are now bringing flexible solutions to the UK. Many traditional "approved" chemistries carry hazardous warning labels & undesirable ingredients, but at BIO-CIRCLE is has been our mission over 40 years of research to make cleaning tasks simpler and safer.

Over the last four decades we have been using a combination of technology, chemistry, biology and service to optimise our customers' cleaning processes whilst at the same time lowering carbon footpriint and increasing the health and wellbeing of users.

Our mission is to transform the 'old way of doing things' into efficient, streamlined processes that are cost-controlled, and with as minimal environmental impact as possible.

WE CALL THIS 'MAKING GREEN WORK.'

From 40 years of growth across many industries & sectors, we now operate in over 15 countries with our own subsidiary organisations, and have a presence in more than 65 countries world-wide.



WHAT GETS ON YOUR GEAR

Soot & particulates

Picked up during every fire, especially at the neck, jaw and wrists - where fit is loosest.

PFAS in the gear itself

Turnout gear materials can contain "forever chemicals" that are themselves linked to cancer.

PAHs & VOCs

Polycyclic aromatic hydrocarbons, plus benzene, toluene and other combustion by-products.

Cumulative exposure

Gear is often worn on multiple calls before washing - contamination builds, it doesn't reset.

+9%

**HIGHER CANCER
DIAGNOSIS RATE**

+14%

**HIGHER CANCER
MORTALITY RATE**

vs. the general population. UCLA is running a dedicated study into how much of this gap traces back to contaminated gear handling. *

IT ISN'T ONLY THE COAT AND TROUSERS

EVERY ITEM OF PPE CARRIES CONTAMINATION

Boots

Walked through run-off and debris, then carried into the appliance and the station.

Helmets

Sit closest to the head and face, holding soot in the shell, liner and chinstrap.

Breathing apparatus

Masks, harnesses and cylinders are handled bare-handed after every wear.

DON'T LET THE GEAR THAT PROTECTS BECOME THE HAZARD

Contaminated turnout gear is a documented, cumulative contributor to firefighters' elevated cancer risk - not just unhygienic, but dangerous if it isn't cleaned properly.

INTRODUCING BIO-CIRCLE DECON SOLUTIONS FOR CLEANING ON-SCENE, AT THE STATION, AT SERVICE / REFURB CENTRE

In response, we have launched a series of versatile decon solutions, including manual & automatic wash basins for deep-cleans back at the station/ service centres; to self-contained, portable solutions that tackle contaminants immediately at the scene post-incident. VOC-free, label-free chemistry & systems to ensure thorough decon of all PPE at every stage post-incident.

Begin decon at the scene with the mobile EKO - the high-pressure jet-wash alternative, take it to the station with the wall-mounted EKO &/or the GT Compact for a deeper clean; and then-to the refurbishment centre for thorough servicing with the BIO-CIRCLE Automatic.



BIO-CIRCLE EKO

Mobile spray unit - take the clean to the appliance bay or the incident. Jet washing without water for on-site cleaning. Self-contained, no mains required.

PORTABLE



BIO-CIRCLE EKO Wall Mounted

Wall-mounted spray unit. Jet washing without water for on-site cleaning. Self-contained, no mains required.



BIO-CIRCLE GT Compact

Bench-side parts washer for small kit, fittings and hand tools. Spec with wheels for portability. Self-contained, no mains required.

PORTABLE



BIO-CIRCLE GT Stainless Steel Maxi

Large open bath for bulky items - breathing apparatus, harnesses, helmets and boots.



BIO-CIRCLE Automatic

Automatic heated wash for a repeatable, hands-off deep clean.

BIO-CIRCLE DECON REDUCES WATER CONSUMPTION SIGNIFICANTLY

<1%

The EKO uses less than 1% water compared to the average pressure washer. The cleaning solution is diluted with air rather than water. The EKO also has a unique drying function so crews can leave the scene clean and dry

<20%

The GT washbasins use less than 20% water compared to a standard water-based washdown area at fire stations.

BIO-CIRCLE EKO & GT systems are self-contained and do not need to be connected to a mains water supply.

DECON ON SCENE

Rinse gear before it leaves the truck.

BAG IT, DON'T CAB IT

Seal contaminated gear separately from the crew.

CLEAN IT PROPERLY

Advanced-clean regularly, and after every working fire.