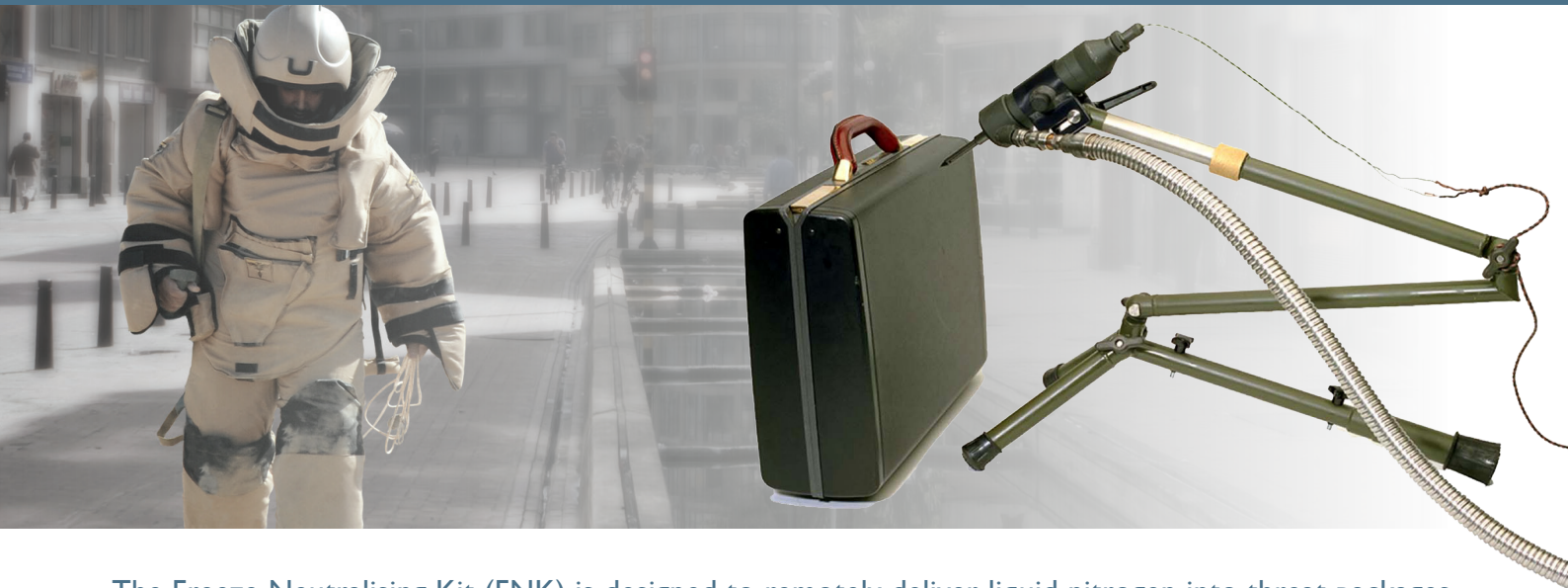


Freeze Neutralising Kit

Remote Cryogenic Injection System for EOD professionals



The Freeze Neutralising Kit (FNK) is designed to remotely deliver liquid nitrogen into threat packages to temporarily neutralise the power source. This gives the EOD technician a safety window for a safer disruption shot, or if the package is not defeated, will improve the recovery of material for forensic analysis.

REMOTELY ACTIVATED INJECTOR KIT

The RAIK device ensures the needle penetrates effectively to allow liquid nitrogen into the target device.

RAPID NEUTRALISATION

The liquid nitrogen can rapidly reduce IED power sources to zero volts.

CONTINUED DEFEAT CAPABILITY

Having deactivated the power source, the FNK provides sufficient capacity to maintain neutralisation of the power source.

MAN PORTABLE

The liquid nitrogen vessel can be placed on a suitable trolley and moved into position by the EOD technician even when wearing a bomb suit.

HARD AND SOFT TARGETS

Injector needles are available for both hard (metal boxes, fire extinguishers) and soft (bags, wooden boxes) targets to ensure correct delivery of the nitrogen into the package.

ROBOT INTEGRATION

The FNK can be integrated onto a robot using an appropriate mounting interface.



Freeze Neutralising Kit

MORE ABOUT THE FNK

The FNK includes a Remotely Activated Injector Kit (RAIK) which remotely penetrates the exterior walls of a threat device by means of a small propellant cartridge. When the RAIK needle has entered the target device, liquid nitrogen then flows into the inner volume which rapidly decreases the temperature of any electronic circuitry, battery pack or other temperature sensitive devices.

The system can be deployed against a wide range of threat devices from canvas bags to metallic structures such as fire extinguishers.

The system can be supplied as a stand-alone system configured for manual deployment by the operator or can be packaged to permit deployment via a suitably equipped Remotely Operated Vehicle (ROV).



KIT CONTENTS

- Remotely Activated Injector Kit (RAIK)
- Liquid Nitrogen Vessel
- All pressure release valves, gauges and safety equipment
- Multi-position Stand
- Cleaning brushes
- Tuffnel buffers and Buffer extractor tool
- Polyethylene Pistons
- Aluminium and Heavy Duty Injector Needles (three of each)
- Driving Piston

ORDERING

Description	Stock Number	NSN
Freeze Neutralising Kit including RAIK	800-3139	1385-99-252-8078
Storage Dewar Vessel LD25 (25 litre)	560-3095	N/A
Accessories	Stock Number	NSN
RAIK Buffer	500-0155	N/A
RAIK Piston Mk 4	640-3105	1385-99-154-0823
RAIK Driving Piston Spacer	560-3124	1385-99-958-9522
RAIK Aluminium Needle	640-3095	1385-99-841-1320
RAIK Stainless Steel Needle	640-3094	1385-99-154-0817
RAIK Cartridges (box of 50)	270-0009	1385-99-586-4608

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