

PRPS³ TRAINING SUIT

PRPS³-T POWERED RESPIRATOR PROTECTIVE SUIT



RESPIREX™

Description

The PRPS³-T is a **training suit version of the PRPS³** (Powered Respirator Protective Suit) used extensively by CBRN emergency responders. Manufactured from hard-wearing PVC, with a removable (machine washable) neck seal and supplied with rechargeable batteries the PRPS³-T replicates the operational characteristics of the PRPS³ while simplifying re-use.

Applications



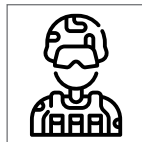
Fire
Brigades



Health
Authorities



Civil
Defence



Military



Training & Familiarisation

A key benefit of the PRPS³ is that it requires minimal training and familiarisation and does not require face fit testing. It is nevertheless important that users are trained sufficiently to be able to:

- Operate safely within this PPE
- Become familiar with working inside the suit
- React to the system status messages
- Communicate with colleagues
- Be ready to make the right decisions in an emergency

Because the 'operational' suit (PRPS³) is sealed, ready for emergency use, a separate, distinctive, dark-green PVC training suit designed for multiple use has been developed.

Powered Respirator Performance

Airflow (min):	160l/min
Noise:	<75db (in the hood)
Ingress Protection:	IP64 (Suitable for use in a decontamination shower)
Battery:	Li-ion Rechargeable , 2.6 Ah, Charging time <3 hours

Key Features

Respiratory system comprising a **battery powered CleanAIR® Chemical 2F** powered respirator fitted with a **visual display unit** mounted inside the suit at the base of the visor, and audible alarm

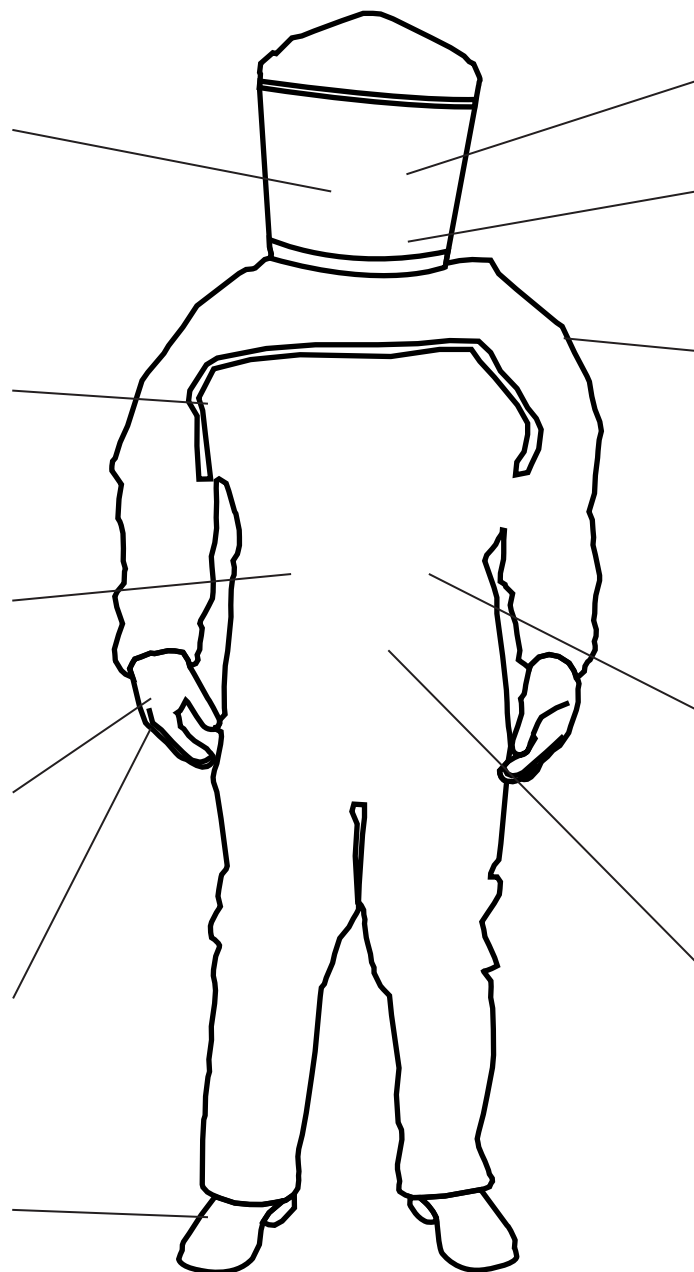
Heavy duty **gas tight zip** fitted across the chest enclosed by double external storm flaps with hook & loop fastener

Twin **CleanAIR® A2P3 filters** fitted externally at the rear simulate operational filters and provide protection from dust and nuisance odours

Gas-tight locking cuff system for changing gloves

Dual glove system consisting of a **Kemblok™** chemical barrier inner glove bonded to an outer neoprene or stanzoil surgical glove for mechanical protection.

Permanently attached **Hazmax™ chemical safety boots**



Semi-rigid **laminated visor** for clear undistorted vision

Detachable, machine washable **neck seal**

Four exhalation valves maintain a comfortable working pressure inside the suit

Clearly visible '**TRAINING**' **label** on the rear of the suit

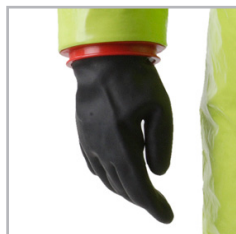
Rechargeable Li-ion battery pack provides **1 hour operational use**, plus 15 minutes for decontamination

Adjustable internal **support belt**

Suit Options



- Or -



Lightweight Gloves

Inner Kemblok™ glove with lightweight nitrile overglove for greater manual dexterity

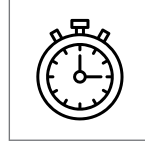
Heavy-Duty Gloves

Inner Kemblok™ glove with heavy-duty neoprene overglove for improved mechanical protection

Benefits



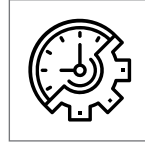
Can be used by wearers with **facial hair and/or glasses**



Improved operational duration over gas-tight suits with SCBA



No requirement for **face-fit testing**



Up to six times the resource efficiency compared with gas-tight SCBA suits thanks to the lower physiological loading and increased duration



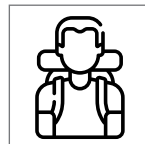
Training needs are reduced



Significantly **lighter and more comfortable**, with easier breathing and less equipment in body contact than with a gas-tight suit with SCBA



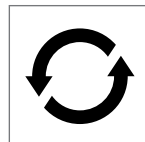
Powered respirator provides **cooling air over the head** and through the suit, making the wearer more comfortable and better able to focus on tasks



The lower weight and increased user comfort results in a **lower physiological load** than a conventional gas-tight suit



A **Large visor** provides reassurance to casualties and victims by maintaining non-verbal communication through facial expression and aids speech recognition through visible lip movements.



Uncontaminated or 'decontamination-guaranteed' **suits can be re-used** following gas-tight re-test and re-certification

Accessories



Batteries

Rechargeable Li-ion battery (and separate charger) for use in training applications



Hard Hat

Peakless hard hat that can be worn comfortably inside the PRPS suit

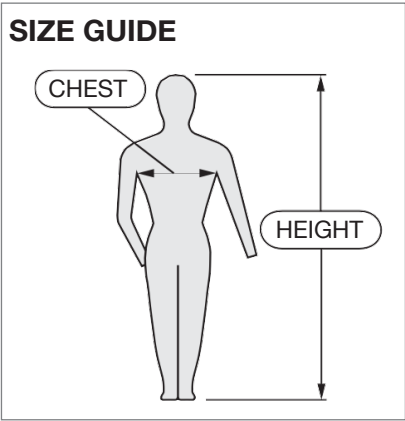


Hydration system

Camelback hydration system worn inside the suit

Sizing Chart

Size	Chest (cm)	Height (cm)
Small	86-94	152-165
Medium	94-102	163-175
Large	102-112	173-185
X-Large	109-124	180-196
XX-Large	122-135	188-203



Specifications

PRPS T Suit	
Pack Size (max)	26 x 58 x 36 cm
Pack Weight (max)	8 kg
Carton Qty	3
Outer Carton Size	84 x 62 x 40 cm
Outer Carton Weight (max)	26 kg
Commodity Code	62104000

Specifications are based on an XL sized suit with boots, but without optional accessories and are for guidance only

Maintenance

The PRPS³(T) (“training”) is intended to be used many times for training and simulation purposes. It is not gas-tight-tested, and therefore more user-servicing can be carried out.

Laundrying is not recommended for the PRPS³(T). After use, the suit should be wiped with a sponge using warm water and Citrikleen*, rinsed and allowed to dry naturally. The inner surfaces of the suit should be sanitized using Odor-Clear*. However, the neck seal may be removed and laundered separately; it may also be replaced when necessary for hygiene reasons. Do not use solvents or strong cleaning and disinfecting agents on the suit.

Gloves are replaceable by trained personnel, but boots are not.

The CleanAIR[®] air filter unit, battery, filters and adaptors may be reused provided they are in good condition. After many fittings and removals, the training filter retention mechanism may wear and the filters should be replaced. Use a clean cloth dampened with a mild solution of water and liquid household soap to clean the CleanAIR[®] Chemical 2F respirator.

*See separate suit care products sales sheet for details

Differences with Operational PRPS³ Suits

It is recommended that 'Training' suits are used for training, to avoid any confusion in an emergency 'Operational' situation. The PRPS³(T) training suit is designed for multiple use and is different from the operational suit in the following ways:

- Dark-green ● PVC material - distinctive from the lime green ● of the PRPS³ 'operational' suit. The operational suit material has been designed to maximise chemical resistance and mechanical strength, but also with light weight and flexibility. It is not designed for many multiple-uses. The PVC training suits have been designed to be re-used many times;
- PRPS³(T) training suits are not gas-tight-tested
- The knitted neck-seal is removable for laundering
- Training Battery is a Li-ion rechargeable unit for multiple training sessions
- Training Filters are different from operational filters, with particulate and nuisance odour protection only, but simulate the weight of 'operational' filters.

Specifications, configurations and colours are subject to change without notice.

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RESPIREX™

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