REUSEABLE PARTICULATE CARTRIDGES
DHCT- A1 PARTICULATE FILTER

DHCT-A1

Description

Dromex® DHCT-A1 UNIFIT lightweight reusable particulate cartridges, is used in conjunction with Dromex® twin cartridge respirators (DH102, DH202 and DHFFM), filters organic gases and vapours with a boiling point greater than 65 degrees Celsius present in the atmosphere.

Dromex® DHCT-A1 cartridges can be used with Dromex® Pre-filters providing protection against particulates and prolongs the life of the corresponding particulate filter by adding additional protection against oil when working in greasy environments.

Special Instructions

All respiratory equipment should be read in conjunction with BS EN 529:2005 "Respiratory Protective devises – Recommendations for selection, use, care and maintenance".
Do not use these cartridges or enter in area where:

- The Oxygen concentration is not known or is less than 19.5%.
- Contaminants or their concentrations are unknown or are known to be immediately dangerous to life or health. Particulate or gas concentrations exceed levels fixed by the applicable health and safety regulations.
- The requirement for leak tightness is unlikely to be achieved if worn against a beard or facial stubble.
- Not to be used for firefighting.
- Do not use in explosive atmospheres.

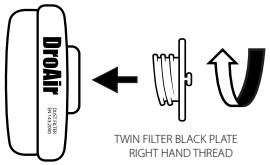
These cartridges do not supply oxygen. Do NOT use in oxygen deficient atmospheres (e.g. tanks or other poorly ventilated areas).
The lifetime of a filter depends on many factors including the work rate, the air flow and the concentration of the contaminant in the atmosphere.
A particulate filter should be changed immediately when chemical breakthrough of a contaminant is detected by smell, taste or any other means.
A dust filter should be changed when breathing becomes impaired.
The UNIFIT TWIN FILTER CARTRIDGE is for use with TWIN filter masks only.
DO NOT USE TWIN CARTRIDGES WITH DROMEX SINGLE MASKS.
Use genuine DROMEX UNIFIT particulate cartridges and particulate pre-filters.

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer. The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection.
These particulate filters are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment. The information contained herein is intended to assist the wearer in the selection of personal protective equipment.

Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the pre-filter suitability for the intended use.
All filters should be thoroughly inspected before use to ensure no damage is present.
Immediately discard, once open inadvertently and if damaged (eg dents).

Changing filter cartridge

Remove pre-filter cover if being used and unscrew filter cartridge.
Please note that the DROAIR TWIN filter cartridge has a right-hand thread (see image below).
Remove from the mask together with connector and dispose of the used components hygienically and safely.
Clean the half mask as per the instructions mentioned in section, cleaning and maintenance.
Remove, new UNIFIT filters, complete with valve from the wrapping and replace the filters onto the mask.



TWIN FILTER BLACK PLATE
RIGHT HAND THREAD

Compliance & Conformity

NRCS Homologated as per SANS 10338:2009 as required by the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), and the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

SANS 54387:2007, Respiratory protective devices – Gas filters and combined filters – Requirements, testing, marking, NRCS Type Approval No: AZ 2011/42.

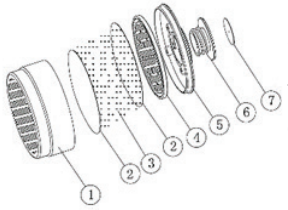
Approved for used with half masks as per EN140:1998, full face masks as per EN 136:1998.

CE EN approval as per BSI CE No. 0086.

Specifications

Style:	Twin cartridge, re-useable A1particulate filter
Breathing Resistance:	@15 l/min >1.0 mbar
	@47.5l/min >4.0 mbar
Gas Capacity:	Break through time in minutes (BTT) min
	Cyclohexane (C6,H12)
	BTT >70min @ 10ml/m3
Maximum Filter Capacity:	Low 1000ppm
Additional:	There are no metal fittings in this device

Materials:



1. Black Polystyrene filter case
2. Polyethylene terephthalate pre filter pad
3. Activated carbon
4. Polystyrene net support
5. Black Polystyrene filter lid (back plate)
6. Black Polystyrene valve seat
7. Rubber valve piece

Packaging, Storage & Obsolescence

Packed as one set (2) of cartridges, shrink wrapped in a polybag, preventing contamination and sold as 70 sets in a box.

Store in a cool dry place, away from direct sunlight and contamination.

When not in use or during transportation, this filter should be stored in a container such that it out of direct sunlight, away from chemicals and abrasive substances and cannot be damaged by physical contact with hard surfaces/items.

Filters should be stored at a temperature of +2 > + 55 degree Celsius and at a relative humidity below 75%.

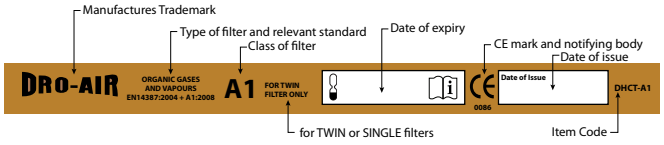
Cleaning & Maintenance

The exterior of the filter can be cleaned with the use of a dry cloth.
Solvents must not be used and care should be taken to ensure no water enters the filter.

Shelf life

3 years. The expiry date of each item is indicated on the cartridge.

Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Respiratory protective devices should be disposed of considering the hazardous substance they were used for. Please consider recycling.

Marking