

# Dromex



## REUSEABLE GAS CARTRIDGES DHCT- ABEK1 GAS PARTICULATE



DHCT-ABEK1

### Description

Dromex® DHCT-ABEK1, UNIFIT reusable lightweight combination gas cartridges is used in conjunction with Dromex® twin cartridge respirators (DH102, DH202 and DHFFM), that filters:

- Certain organic gases and vapours with boiling point greater than 65°C and good warning properties.
- Inorganic gases and vapours, e.g. Chlorine (not Carbon Monoxide).
- Acid gases and vapours, e.g. Sulphur Dioxide, Hydrogen Chloride.
- Ammonia and organic ammonia derivatives.

Can be used with Dromex® Pre-filters, providing protection against particulates and pro-longs the life of the corresponding gas filter by adding additional protection against oil when working in greasy environments.

### Special Instructions

All respiratory equipment selection should be read in conjunction with BS EN 529:2005 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 gas filter should be changed immediately when chemical break through 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.

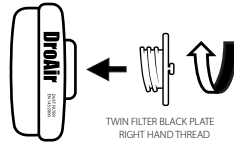
Use genuine DROMEX UNIFIT gas cartridges and particulate pre-filters.

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 gas 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 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 during use and unscrew filter cartridge. 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.



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### Specifications

Style:

Twin cartridge, re-useable ABEK1 combination gas 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 (C6H12)

BTT >70min @ 10 ml/m3

Chlorine (Cl)

BTT >20min @ 0.5 ml/m3

Hydrogen Sulphide (H2S)

BTT >40min @ 10 ml/m3

Hydrogen Cyanide (HCN)

BTT >25min @ 10 ml/m3

Sulphur Dioxide (SO2)

BTT >20min @ 5 ml/m3

Ammonia (NH3)

BTT >50min @ 25 ml/m3

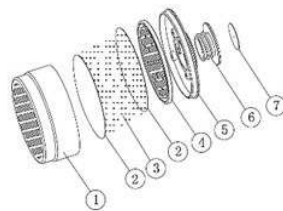
Maximum Filter Capacity

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

### 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) and SANS 54387: 2007, Respiratory protective devices – gas filters and combined filters – Requirements, testing, marking, NRCS Type Approval No.: AZ 2011/56 CE EN approval as per Inspec examination to EN14387:2004+A1:2008 Type ABEK1 TWIN particulate filter as per report Inspec 1.11.07.47, ABEK1 TWIN combination filter. Quality System as per ISO9001:2008 certificate HK01/00703 as issued by SGS, UKAS approval number 005.

Approved for used with half masks as per EN140:1998, full face masks as per EN 136:1998 and CE EN approval as per BSI CE No. 0086.

### 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.

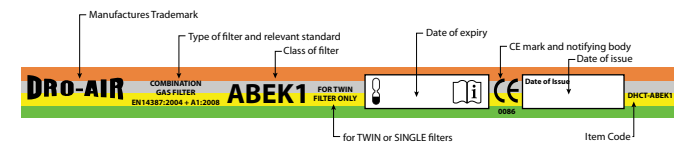
### Shelf Life

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 substances they were used for. Please consider recycling.

### Marking



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