

# TECHNICAL DATA SHEET & CERTIFICATE OF CONFORMITY

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**Dromex**

## DROMEX TWIN INORGANIC UNIFIT FILTER DHCT-B1

### Description:

The cartridge is designed for the intended use of:  
Inorganic gases and vapours, e.g. Chlorine (not Carbon Monoxide).  
Protection against particulates if used in conjunction with the DROMEX UNIFIT pre filters DHPF.

### Specifications:

Breathing Resistance:	Resistance in m/bar @15 l/min >1.0 mbar (0.70) @47.5l/min >4.0 mbar (2.60)
Gas Capacity:	Break through time in minutes (BTT) min
Chlorine (Cl)	BTT >20min (+80min)
Hydrogen Sulphide (H <sub>2</sub> S)	BTT >40min (+160min)
Hydrogen Cyanide (HCN)	BTT >25min (+160min)
Maximum Filter Capacity	Low 1000ppm

### Compliance & Conformity:

NRCS Homologated to SANS 10338: 1999 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). RPD gas filters EN14387:2004+A1:2008. NRCS Type Approval No.: AZ 2011/54. CE EN approval as per Protechnik examination to EN14387:2004+A1:2008 Type B1 gas filter as per report Protechnik F4090 (d), B1 TWIN gas filter.

Quality System as per ISO9001:2008 certificate HK01/00703 as issued by SGS, UKAS approval number 005.

### Packaging, Storage & Obsolescence:

Each Twin filter cartridge is shrink wrapped to prevent contamination. The filters are packed two per retail pack (one set) and 80 packs (sets) per carton. NRCS homologated in the retail packs with one set of cartridges (two cartridges).

Store in a cool dry place. The expiry date of each item is indicated on the cartridge.



### 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. Cleaning of the filter does not extend its life. It is recommended that DROMEX UNIFIT pre-filter are used in combination with these filters to extend the life of this gas filter.

### Special Instructions:

All respiratory selection should be read in conjunction with BS EN 529:2005 for selection, use care and maintenance.

Do not use these respirators 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.

These respirators do not supply oxygen. Do NOT use in oxygen deficient atmospheres (e.g. tanks or other poorly ventilated areas).

Do not use in explosive atmospheres.

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 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.

## UNIFIT FILTERS

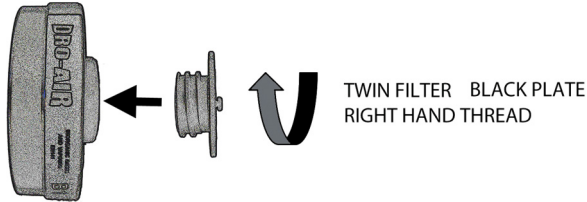
EN14387:2004+A1:2008



NRCS APPROVAL: AZ2011/54

**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. Remove from the mask together with connector and dispose of the used components hygienically and safely. Clean the half mask as per the instructions. Remove the new UNIFIT filters, complete with valve from the wrapping and replace the filters onto the mask.

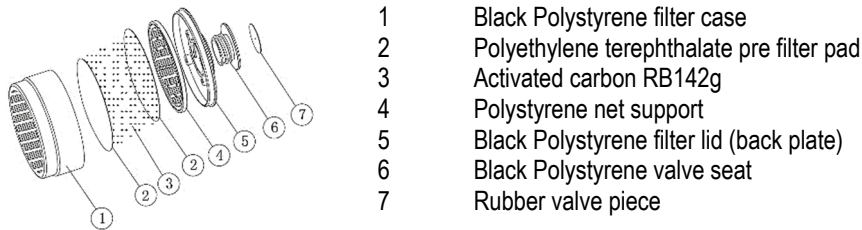


Use genuine DROMEX UNIFIT gas cartridges and particulate pre-filters.

**UNIFIT Pre-Filters:**

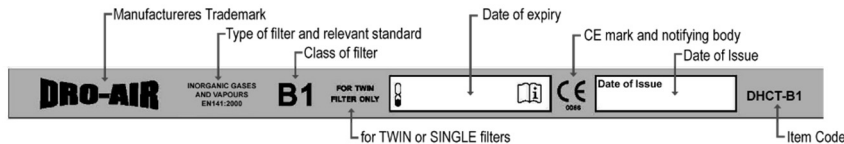
The Pre-Filter DHCT-P2PF is designed to be used with the UNIFIT TWIN respirators only. The DHCT-P2PF pre filter if used with this B1 gas filter will form a combination filter B1P2 TWIN. The attached filter is a Particle filter as designated by its class and will only protect against such hazards as determined by EN143:2000. These filters extend the life of the gas cartridges by preventing clogging of the gas component.

**Materials:**



**Marking:**

Each cartridge is marked as indicated below:



**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.

