



## REUSEABLE PARTICULATE CARTRIDGES DHCS- P2 PARTICULATE FILTER



DHCS-P2

### Description

Dromex® DHCS-P2 single UNIFIT reusable, lightweight particulate cartridge, is used in conjunction with the Dromex single particulate cartridge respirator DH101, filtering medium concentrations of solid dust and liquid aerosol hazardous, which cannot be filtered by chemical only cartridges.

The Dromex DHCS-P2 removable cartridge body (cover and housing) is also designed to be used as a pre-filter unit on Dromex carbon gas filters. To replace the particulate filters, you will need to purchase the Dromex DHCS-P2PF prefilters.

### 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 particulate filter should be changed immediately when particulate breakthrough of a contaminant is detected by smell, taste or any other means. A particulate filter should be changed when breathing becomes impaired. The UNIFIT SINGLE FILTER CARTRIDGE is for use with SINGLE filter masks only. DO NOT USE SINGLE CARTRIDGES WITH DROMEX TWIN CARTRIDGE MASKS. DO NOT USE PRE-FILTERS OVER PARTICULATE CARTRIDGES. Use genuine DROMEX UNIFIT particulate cartridges.

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

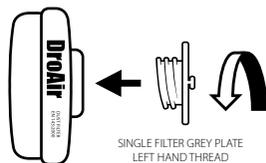
Remove pre-filter cover during use and unscrew filter cartridge.

Please note that the DROAIR SINGLE filter cartridge has a left 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 Single UNIFIT filters, complete with valve from the wrapping and replace the filters onto the mask.



### 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 50143:2003, Respiratory protective devices – Particle filters: Requirements, testing, marking. NRCS Type Approval No. : AZ 2011/67.

Approved for used with half masks as per EN140:1998.

CE EN approval as per BSI CE No. 0086.

### Specifications

Style:

Single cartridge,  
re-useable P2 particulate filter  
@ 30 l/min, maximum 0.7 mbar  
@ 95.5l/min, maximum 2.4 mbar  
Sodium Chloride @95l/min is 6%  
Paraffin oil @ 95l/min is 6%  
94%

Breathing Resistance:

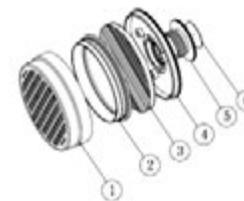
Filter Penetration Maximum:

Filter Efficiency:

Additional:

There are no metal fittings in this device  
Each particulate filter is fitted with a new inhalation valve

Materials:



1. White polypropylene filter case
2. White Linear low density polyethylene
3. MBP2 melt blown filter
4. Grey Polystyrene filter lid (back plate)
5. Grey Polystyrene valve seat
6. 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

5 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

