

CBRN Composite Filter



CBRN Filter (170 m³/hr) for use on Military Vehicles, Buildings & Shelters.

EMCEL manufacture the No. 1 composite filter that is used for CBRN protection on military vehicles and other applications.

The filter contains a HEPA section, better than 99.997% efficient against BS3928 Sodium Flame for the removal of biological agents. And a specially impregnated carbon section for the removal of nuclear/chemical vapours and gases.

Since 2009 EMCEL Have been independently testing materials in order to satisfy the requirements of AEP54. As a result of this work EMCEL can now meet the gas test requirement of Edition B Version 1 AEP54 (2014) for all essential and desirable levels.

EMCEL also produce Training filters utilised to run normally when CBRN protection is not required. Utilising Training filters for testing, training and in no-threat situations reduces the usage of real filters, thus giving considerable cost savings. Features include replication of weight, pressure drop and optional HEPA filtration if required.



Filter Specification

| | |
|------------------------|---|
| Airflow | 170 m³/hr |
| Dimensions (mm) | 350 Dia x 316.5 High |
| NSN | 4240-99-176-1162 |
| Casework | Aluminium casings and end caps |
| Weight | Approx. 17 Kg |
| Pressure Drop | Nominal 1200 pa @ Rated Flow |
| Performance | AEP54 Edition B Version 1 Gas Test Compliant AEP54 Compliant for all gases at essential and desirable levels. |

Emcel have been involved in the design and development of CBRN type air filters for more than 25 years. The large majority of military filters that Emcel manufacture are for Collective Protection of personnel against Nuclear, Biological and Chemical threats within Ships, Vehicles, Buildings and Shelters. However, in recent years CBRN specialists have identified an increased threat using TIC's (Toxic Industrial Chemicals) and TIM's (Toxic Industrial Materials) and it is with this in mind that Emcel have embarked on a strategic programme of development in filtration to encompass this. Please contact our Technical Sales Team for any further information.



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