

CBRN Composite Filter Options

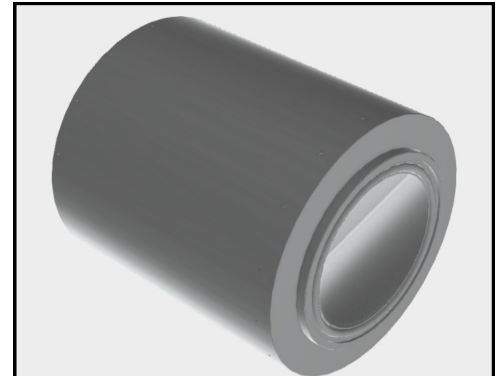
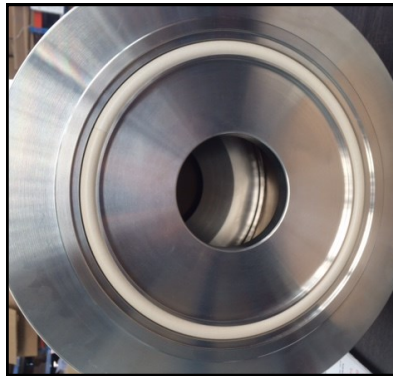
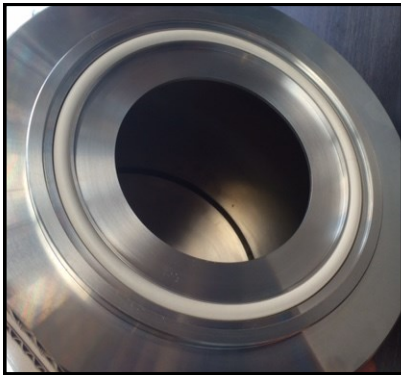


CBRN Filters for use on Military Vehicles, Buildings & Shelters.

EMCEL's manufacturing flexibility philosophy allows us to look at existing and new filter systems, to find CBRN filter solutions. For existing vehicles where interface and performance details are available EMCEL specialise in designing and validating solutions to suit. This can be through a range of flow requirements.

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 contaminant levels for a number of CBRN filter options.

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.



Example Filter Specification

Airflow	170 m³/hr
Dimensions (mm)	325 Dia x 369 High
NSN	4240-99-250-3437
Casework	Aluminium casings and end caps
Weight	Approx. 17 Kg (CBRN Filter)
Pressure Drop	Nominal 1200 pa @ Rated Flow
Performance	AEP54 Edition B Version 1 AEP54 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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