



NBC FILTER

FAS 850M

Our filter is utilized to protect the personnel and the equipment in the Naval Ships (Western Type) or underground field shelters of the army against organic and inorganic vapors. These include persistent nerve, blister agents, non-persistent agents like blood & choking agents, and harmful biological organisms.

NIKHTISH ENGINEERING PVT LIMITED

Founded in 2008, is India's leading manufacturer and distributor of CBRNE Filtration Systems, Air Filters & Clean Room Validation Services. We cater to industries, namely, Pharmaceutical, Automotive, Hospitality, Dairy, Food & Beverage, Biotech, Defence, and Nuclear power plants. An equal opportunity employer Nikhtish focuses on consistent innovation & development, especially CBRNE (Chemical, Biological, Radioactive Nuclear & Explosives) air filtration systems, and filters while ensuring quality. The manufacturing facility has been ISO 9001 compliant since 2012, and the products are tested by Standards Institute of Israel continuously in their state-of-the-art facility around the year as part of quality assurance.

Filter Features

- Each filter is manufactured and tested as per DRDE Specification no. **DRDE/TC/00287/94-95/SPEC-7/REV-1 (MAY 2005)**.
- NBC filter is used in conjunction with air ventilation unit of Naval Ships or shelter.
- Pre-filter to remove the coarser particulate matters to prevent any loading on the high efficiency filter.
- Fine filter to remove any particulate matters with an efficiency of 99.97% down to 0.3 micron particles.
- This removes nuclear fall outs, biological organisms and any agents in the form of aerosols.
- Gas filter to remove toxic organic gases like war gases.
- Order executed in association with **DRDE, Gwalior & NBC Equipment wing, Aundh Pune.**

Technical Specifications

Rated Capacity	850 m ³ /hr.
Pressure Drop (Air flow resistance at 850m³/hr)	Not more than 8 cm of WG.
Collection Efficiency (Particulate removal efficiency)	Not less than 99.97% down to 0.3 micron.
Protection potential (Adsorptive Capacity)	Minimum 400 mg-min/l for CCL ₄
Weight	210 Kg.
Dimensions	750 X 750 X 965 mm.
Testing in Accordance	As per DRDE/TC/00287/94-95/SPEC-7/REV-1 (MAY 2005), DRDE/0287/NBCD/98/4(b), DEF-STAN 80-77/1, DEF-STAN 80-78, IS 1874 and IS5 & JSS 55555 Class N1.
Impregnated Carbon	As per DRDE/0287/NBCD/98/4(b) Rev(Apr2006).
Filter Construction Material	Mild Steel 513.
Operating Temperature Range	Temp -10°C to +55 °C.
Storage Temperature Range	Temp 25 °C.
Humidity Resistance	95% RH
Gasket	Neoprene.
Surface Coating	Primary coating of fire retardant zinc chromate as per DEF-STAN 80-77/1 or IS1874. Smoke gray paint conforming to shade 628 or630 as per IS 5-61.

Applications



**BATTLE
TANK**



**ARMY
SHELTER**



**ARMY
BUNKER**



**SHIP
CITADEL**



**NUCLEAR
POWER PLANT**

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