



# NBC FILTER

## FAS RV 200M

Our filter is utilized to protect the personnel and the equipment in the Naval Ships (Eastern 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/NBCD/2004/18 Rev-2 (March 2016 )**.
- NBC filter is used in conjunction with air ventilation unit of Naval Ships or shelters.
- Cylindrical high efficiency filter assembled over the central piece for removal of all aerosols and containing harmful particles, bacteria, viruses and other similar organisms.
- Cylindrical adsorbent bed filled with the specially designed impregnated activated carbon for retention of war gases like Sarin, phosgene, CK, DMMP and various other TICS & TIMS.
- To protect the personnel and the equipment in the Naval ship or a shelter against nuclear, organic and inorganic particulates and vapour and harmful biological organisms.
- Order executed in association with **DRDE, Gwalior & NBC Equipment wing, Aundh Pune.**

## Technical Specifications

<b>Rated Capacity</b>	200 m <sup>3</sup> /hr
<b>Pressure Drop (Air flow resistance at 200m<sup>3</sup>/hr)</b>	Not more than 7 cm of WG
<b>Collection Efficiency (Particulate removal efficiency)</b>	Not less than 99.97%. down to 0.3 micron
<b>Protection potential (Adsorption Capacity)</b>	Minimum 450 mg-min/L for CCL4
<b>Weight</b>	28.58 Kg.
<b>Dimensions</b>	Diameter: 442 mm & Height: 373 mm
<b>Testing in Accordance</b>	As per DRDE/TC/00287/94-95/SPEC-5/REV-1 (DEC 2011), DRDE/0287/NBCD/98/4(b), IS 1473, IS5666, IS5660, IS5 & JSS 55555.
<b>Impregnated Carbon</b>	As per DRDE/0287/NBCD/98/4(b), JSS No.6810-147:2014
<b>Filter Construction Material</b>	Mild Steel 513
<b>Operating Temperature Range</b>	Temp -10°C to +50°C.
<b>Storage Temperature Range</b>	Temp 35°C.
<b>Humidity Resistance</b>	95% RH.
<b>Gasket</b>	Soft Natural Rubber, Neoprene Rubber.
<b>Surface Coating</b>	Pre-treatment as per IS 1477, Primer coating as per IS 5666 & IS 5660 & Olive green paint conforming to Shade no. 220 IS 5-78

## Applications



**BATTLE  
TANK**



**ARMY  
SHELTER**



**ARMY  
BUNKER**



**SHIP  
CITADEL**



**NUCLEAR  
POWER PLANT**

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