


FILTER FOR SOLVENTS

General information

Filter installed in laboratory instruments in order to remove the following pollutants:

<ul style="list-style-type: none">• Hydrocarbons.• Chlorine.• Nitrogen dioxide.• Volatile organic compounds.	
Code:	50-F002.
Manufacturer:	Bio-Optica Milano S.p.A.
Distributor:	Bio-Optica Milano S.p.A.
Dimensions (WxDxH):	500x250x45 mm.
Weight:	ca. 5 kg.

General characteristics

- Filter consisting in extruded coal produced through physical activation of selected raw material, with grains diameter of 4 mm.
- The adsorbent activity is ideal to remove low concentrations of contaminants (1-200 ppm) from the gas effluents.
- Simple replacement.
- Non-toxic.
- It can be tested for providing the remaining life.

TECHNICAL FEATURES		
PACKING HUMIDITY	%	5 MAX
GRAINS DIAMETER	mm	4 ± 0, 30, 2
INDEX OF IODINE	mg/g	850
SPECIFIC SURFACE	m ² /g	900
APPARENT DENSITY	g/cc	0,55
HARDNESS	%	97
CONTENTS OF ASHES	%	10
PH		ALKALINE
ADSORPTION OF CCl ₄	%	45

Legend

Packing humidity: humidity present at the time of packing.

Granulometry: dimension of the pellets of activated coal.

Index of iodine: index of absorption of the guide substance for element water.

Specific surface: active surface.

Apparent density: specific weight of the activated coal.

Hardness: rubbing resistance.

Contents of ashes: contents of carbon not technically pure.

Index of CCl₄: index of absorption of the substance guide (carbon tetrachloride) for element air.

Application guidelines

- TEMPERATURE: From -4°F to +125°F (from -20°C to +51°C).
- HUMIDITY: 10 - 95% RH.
- AIRFLOW: The filter is effective in systems with airflows ranging from less than 25 CFM (42.5 m³/hr) to over 100,000 CFM (169,920 m³/hr) and with velocities from 60 FPM to 500 FPM (from 0.30 to 2.54 m/s).
- PERFORMANCE: Removal efficiency equal to 99.5% minimum.
- FILTER LIFE: Samples are examined for providing filter's remaining life, scheduled maintenance and ensuring performance. As shown on the user manual, the filter's middle life is equal to 600 hours and it is calculated by the cabinet's control panel.

Installation and disposal

- During installation use: dust mask, safety goggles and rubber gloves.
- The consumed filters must be disposed in compliance with the regulation in force.
- For further information consult the safety datasheet.

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