



EC-101 Chemical Media

MAS EC-101 chemical media consists of extruded cylindrical pellets formed from a premium virgin activated carbon. Activated carbon media removes contaminant gases by means of adsorption where gases adhere to the surface of the media pellet during the removal process.



EC-101 chemical media is designed to provide the superior performance against hydrocarbons and volatile organic (VOCs) contaminants. It is very effective against medium-to-high molecular weight compounds, and chemical contaminants with high boiling points.

Target contaminants : hydrocarbons, volatile organic compounds (VOCs), nitrogen dioxide, siloxanes, chlorine, and ozone

PHYSICAL PROPERTIES

The components of EC-101 media shall have the following physical properties:

Apparent density:	0.5 g/cc (30 lbs/ft ³)
Carbon description:	Virgin
Carbon raw material:	Coal
CTC:	60 wt % minimum
Hardness:	95% minimum
Ash content:	15% maximum
Nominal diameter:	4 mm
Shape:	Cylindrical pellet

INSTALLATION GUIDELINES

Installers shall use dust masks, safety goggles, and rubber gloves.

DISPOSAL GUIDELINES

Spent EC-101 media should be disposed of according to local, state, and federal guidelines.

APPLICATION GUIDELINES

EC-101 media shall perform effectively under the following conditions and guidelines:

Temperature: -4°F to 131°F (-20°C to 55°C)

Humidity: 10% - 95% RH

Airflow: Suitable for use in commercial and industrial systems with equipment face velocities from 50 - 500 fpm (0.25 -2.5 m/s)

Media Life: Accurate testing of EC-101 media is difficult in HVAC applications due to off-gassing of contaminants and varying water content due to relative humidity.

PACKAGING OPTIONS

EC-101 chemical media is available in:

1-cu.ft. box (30-lb.)	#826-M101
6-gallon pail (24-lb.)	#846-M101
55-lb bag	#856-M101
50-lb bag	#856-M101O
1100-lb super sacks	#816-M101

