



EC-102 Chemical Media

MAS EC-102 chemical media consists of extruded cylindrical pellets formed from a premium virgin activated carbon and impregnated with potassium hydroxide. EC-102 removes contaminant gases by means of chemisorption, physical adsorption into the pellet structure and then chemical reaction ensuring the contaminant is irreversibly changed into a different molecule.



EC-102 chemical media is designed to provide the superior performance against acid contaminants. EC-102 media removes contaminant gases by chemisorption using adsorption and chemical reaction (acid-base). Gases are trapped within the pellet and converted into harmless solids that remain in the pellet, eliminating the possibility of desorption and release back into the airstream.

Target contaminants : hydrogen sulfide, sulfur dioxide, methyl mercaptan, hydrogen chloride, chlorine, and other acid gases.

PHYSICAL PROPERTIES

The components of EC-102 media shall have the following physical properties:

Apparent density :	0.56 g/cc (35 lbs/ft ³)
Hardness :	95 minimum
Moisture Content :	15%
Impregnant :	Potassium Hydroxide (KOH)
Nominal diameter:	4x6 mm
Shape:	Cylindrical

INSTALLATION GUIDELINES

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

DISPOSAL GUIDELINES

Spent EC-102 media should be disposed of according to local, state, and federal guidelines.

APPLICATION GUIDELINES

EC-102 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: Regular media samples shall be taken for projecting media life and ensuring performance.

PACKAGING OPTIONS

EC-102 chemical media is available in:

1-cu.ft. box (35-lb.)	#826-M102
6-gallon pail (28-lb.)	#846-M102
55-lb bag	#856-M102
50-lb bag	#856-M102O
1100-lb super sacks	#816-M102

