

# Ethylene-Oxide



## Safe-Cell II Series Dry Bed Scrubber

The Safe-Cell II utilizes patented technology for chemically combining EO or PO to the surfaces of a dry reactant media. This process, known as chemisorption, is extremely effective between Epoxides and the Safe-Cell II media. The Safe-Cell II consists of a bed of tiny resin beads through which air containing EO or PO is made to flow through. The Epoxides diffuse out of the air to the surface of the reactant, where it becomes rapidly and permanently chemically bonded, forming a new surface polymer. The cleaned air then exits the unit.

Safe-Cell II dry scrubbers can achieve EO and PO removal efficiencies as high as 99.99%, depending on the specifics of the application. Higher efficiencies can be achieved by operating two units in series.



### ADVANCED AIR TECHNOLOGIES, INC.

300 Earl Sleseman Drive  
Corunna, MI 48817  
( Michigan - USA )

Phone: 989-743-5544  
Fax: 989-743-5624  
Toll Free: 800-295-6583

## **Industries Served**

Medical Sterilization

Spice Fumigation

EtO Storage Tanks

EtO Fugitive Emissions

## **Materials of Construction**

Safe-Cell II series dry bed scrubbers are standardly constructed of 304 stainless steel, which creates a rigid, long lasting vessel.

## **Efficiency**

The Safe-Cell II series dry bed scrubbers can be designed to achieve an EO and PO removal efficiency as high as 99.99%, depending upon the specifics of the application.

## **Contact For Assistance**

Office Phone: 989-720-5368

Email: [sales@advairtech.com](mailto:sales@advairtech.com)

Website: [www.advairtech.com](http://www.advairtech.com)

