



# DEGESCH AMERICA, INC.

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5,417,921



All Degesch America, Inc. metal phosphide fumigants are restricted use pesticides.



# DEGESCH

AMERICA, INC.

## Catalytic Adsorption Unit (CAU)

**Degesch America, Inc.**

is committed to continue leading the way in the

protection of the world's stored agricultural

commodities. We strive to provide the highest quality

products and services through innovative technology

and dedicated personnel.



ARE *phosphine emissions regulated* IN YOUR STATE ?

IS YOUR *warehouse or storage located* IN AN *area* REQUIRING *emissions* TO BE *carefully controlled* ?

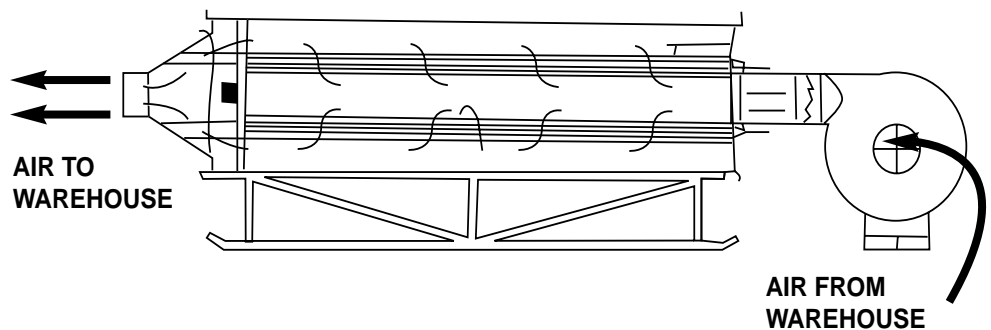
DEGESCH America, Inc. has developed an adsorption system or "scrubber" to remove hydrogen phosphide (phosphine) from air streams, which may solve your emission problems.

How does this Catalytic Adsorption Unit (CAU) work?

The scrubber catalytically oxidizes phosphine, at low temperatures, to produce water and nonvolatile phosphates.

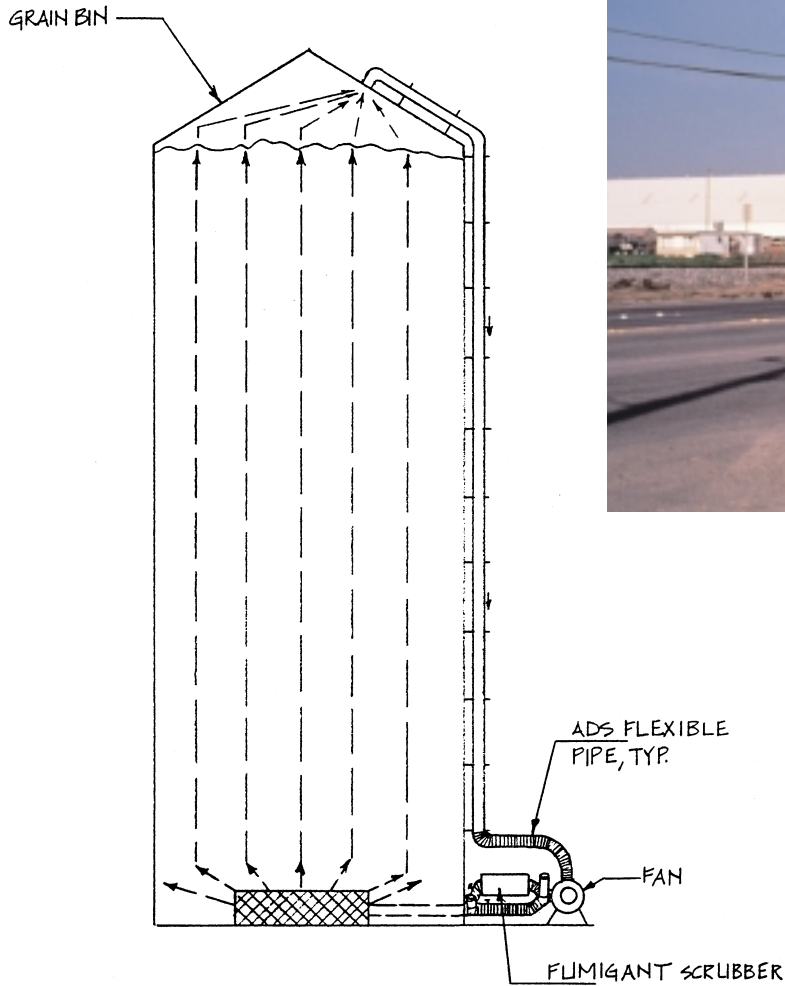
The unit operates by continually recycling air from within the fumigated structure, through the adsorbent and back into the structure until the phosphine levels have been reduced to a satisfactory level.

DOES YOUR *Fumigation Management Plan (FMP)* restrict aeration to property line limits ?



**DEGESCH CATALYTIC ADSORPTION UNIT (CAU)**

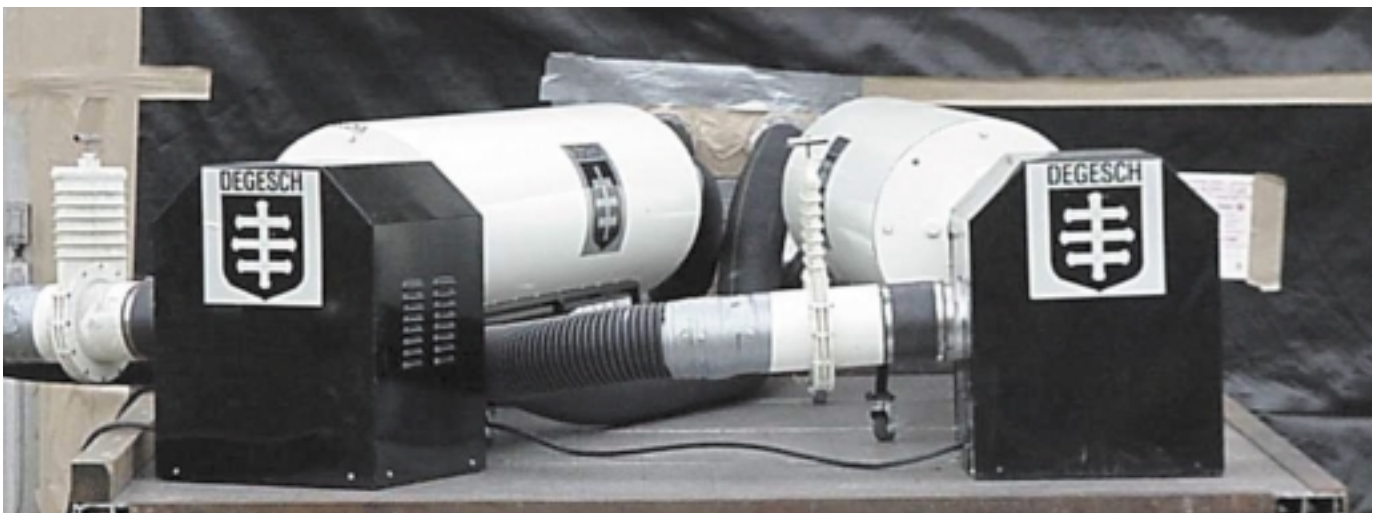
**115" L X 24" W X 32" H  
UNIT SHOWN IS CAPABLE TO ABATE UP TO  
500,000 CUBIC FEET OF FUMIGATED SPACE AT  
CONCENTRATION LEVELS OF 400 PPM OR LESS.**



TYPICAL SECTION  
NO SCALE



The scrubber may also be used in conjunction with the J-System® low airflow recirculation method on grain storages. At the end of the fumigation period, a valve is thrown on the gas distribution piping to reroute the air stream through the adsorbent column. Abatement is terminated when the phosphine concentrations within the storage have been sufficiently reduced.



Depending on the size of the structure, one or more scrubbers may be installed to facilitate optimal results. The Degesch CAU weighs approximately 320 LBS.