Amine Optimization

Specializing in Amine Unit Performance

Activated Carbon beds are often the most neglected and misunderstood piece of equipment in an amine unit. An optimized activated carbon bed is a key part to good amine unit operation for soluble contaminant removal.

ACTIVATED CARBON

A carbon bed provides adsorption for soluble contaminants in a process stream. **It is not a particle filter.** Carbon beds should not build differential pressure. They should always be protected with a suitable pre-filter and should always be used in combination with a suitable post filter.

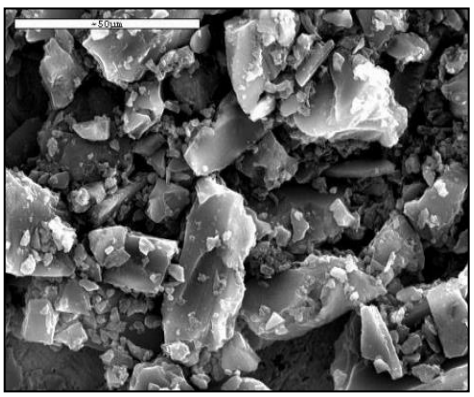
Applications

Amine purification ● Mercury removal ● BTEX removal from acid gas ● Gas desulfurization
Lube oil removal ● General organic contamination removal ● Color removal

A well-designed activated carbon bed has many uses:

Protects absorber from foaming ● Reduces need for antifoam additives ● Reduces amine make-up
Reduces corrosion ● Improves absorber efficiency

PRE – FILTER **ACTIVATED CARBON BED** **POST – FILTER**



Activated carbon is a powerful molecular separation medium.
It is capable of removing:

- Soluble species in a liquid
- Some aerosols in a gas stream
- Molecular species in a gas stream

Types: Powder, Granular, Pelletized, and Extruded

Sources: Lignite, Coconut Shell, Wood, Bituminous and mixed types

DO YOU HAVE THE RIGHT ACTIVATED CARBON FOR OPTIMUM EFFICIENCY? CONTACT US

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