



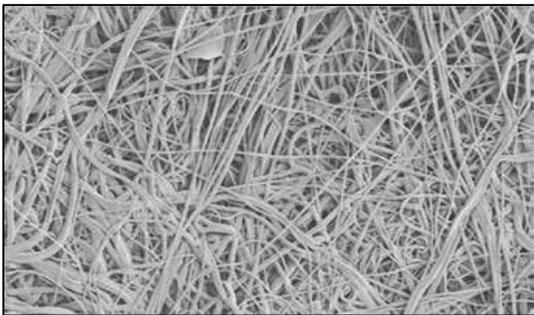
Amine Optimization

Specializing in Amine Unit Performance

Amine Unit Filtration and Coalescing

There are numerous filters and coalescer elements available today. However, only a few can be used in an amine unit without causing detrimental effects. Our approach is to determine what the amine unit requires in terms of contamination removal and how to best implement filtration and coalescence for best performance.

Element Type	Flow Configuration	Filter or Coalescing Media
2.50" OD Filter (10-40" Long)	In to Out	Melt blown, Pleated or String Wound
3.00" OD Filter (40" Long)	In to Out	Pleated Extended Surface
3.75" OD Filter (30-40" Long)	In to Out	Pleated Extended Surface
4.25" OD Filter (10-40" Long)	In to Out	Pleated Extended Surface
6.00" OD Filter (10-80" Long)	Out to In	Pleated, String Wound or Bag Filter
6.50" OD Filter (36-40" Long)	In to Out	Melt blown, Pleated or String Wound
4.5" OD Coalescer (36" or 72" Long)	Out to In	Pleated Extended Surface, Multilayer
5.5" OD Coalescer (36" Long, conical)	Out to In	Pleated Extended Surface, Multilayer



Media Technology

There are many different types of filtration and coalescing media available for use in amine units. The skill is in knowing how to choose the right material, efficiency and configuration that is cost effective and compatible with the amine solvent in order to maximize contaminants removal at the lowest cost. Improper or deficient filtration or coalescence can often lead to foaming, fouling and corrosion, among other detrimental effects on the process.

Vessel Reconfigurations

Amine Optimization Co. has capabilities for reconfiguring currently installed vessels to use more efficient and cost effective filter and coalescing elements. The process uses a set of internal hardware attached to the vessel enabling each vessel to improve performance. Several different types of elements can be used for maximizing benefits and cost.



Vessels and Complete Systems

Amine Optimization Co. also can engineer and fabricate complete filtration and coalescing systems.



Gas and Liquid Filters



Gas Coalescers



Liquid/Liquid Coalescers



Amine Recovery Systems