



Rich Amine Filtration & Coalescing Systems

Rich amine filtration & coalescing systems were developed by Amine Filtration to address the separation of solids and liquid contaminants, making it possible to separate essentially all suspended particles and emulsions observed in rich amine streams. The rich amine coalescing and filtration systems incorporate the latest vessel designs and internals technology, achieving highly efficient separation under demanding conditions. Rich amine coalescing and filtration technologies make use of:

- Proprietary media formulations
- Customized element designs
- Advanced fiber geometries

These qualities allow rich amine coalescing and filtration systems to intercept suspended solids and entrained droplets of even sub-micron sizes and effectively remove them from the process. The proprietary high efficiency media effectively disrupts stabilized liquid droplets and allows for efficient capture. Advanced fiber technologies are specifically designed to promote solids separation and liquids coalescing, removing the contaminants from the rich amine stream. The design of each system as a whole also allows for simple maintenance procedures and short downtimes, in addition to high reliability and performance stability.



Amine Filtration coalescing and filtration systems allow for optimized performance of the downstream heat exchanger and amine regenerator section. Rich amine coalescing and filtration systems impart the following benefits to the unit:

- Lean/Rich heat exchanger fouling and corrosion protection
- Regenerator tower fouling, foaming, and corrosion protection
- Hydrocarbon minimization in sulfur recovery unit feed gas

Rich amine coalescing systems are flexible in their configuration, allowing for application in a number of different streams. Systems are small in footprint, require simple maintenance, and impart low operational costs with high removal performance.

For more information, please contact **Amine Filtration** at Help@AmineFiltration.com.