



## Lean Amine Filtration Systems

Amine Filtration provides high efficiency, state-of-the-art filtration for complete removal of suspended solids in lean amine solvents. Filters offered by Amine Filtration are customized designs, utilizing the most advanced separator simulation software, media technology, and proper vessel sizing techniques to ensure efficient separation for each different lean amine solvent. Systems are built to achieve the highest possible efficiency in each application based on unique conditions.

Lean amine pre-filtration systems provided by Amine Filtration are designed to remove solid particulates such as iron sulfides and solids carry-over from the rich amine, as well as protect the downstream activated carbon adsorption bed. Post-filters are designed to prevent fragmented activated carbon fines from causing detrimental downstream issues.



Fundamental aspects for the efficient performance of media filters include:

- Proper vessel sizing
- Correct positioning of inlet, outlet, vent, and drain nozzles
- Reliable and accurate instrumentation
- Proper internal flow geometries through the vessel internals
- Placement of internal baffles to eliminate lateral impacts to the internal elements
- Selection of the most suitable media type and construction
- Thermally, chemically, and mechanically compatible media
- Media sealing surfaces and attachment to vessel internals
- Ease of access to elements for inspection and change out

Amine Filtration lean amine filter systems are designed to be significantly more robust and efficient than traditional filter systems. In addition, extensive experience with suspended solids contaminant removal in amine streams, and with amine unit operation as a whole, allows for the design, fabrication, and operation of the most effective systems at the lowest operational cost and with unsurpassed performance.

For more information, please contact **Amine Filtration** at [Help@AmineFiltration.com](mailto:Help@AmineFiltration.com).