

Technical Services • Customized Products • Comprehensive Solutions



Amine Optimization

Specializing in Amine Unit Performance

CONSULTING & TROUBLESHOOTING • PROCESS SIMULATIONS • FOAMING & CORROSION CONTROL
CHEMICAL ADDITIVES • COALESCENCE & FILTRATION • ACTIVATED CARBON

www.AmineOptimization.com

Technical Services

ONSITE SERVICES

- Consulting & Optimization Services
- Amine Unit Audits
- Troubleshooting and Testing
- Gas Sampling & Gas Analysis
- Vessel Inspections
- Carbon Changeout Services
- Coalescer and Filter Element Changeout Services

OFFICE SERVICES

- Amine Unit Process Consulting and Solvent Selection
- Amine Unit Engineering Consulting and Simulations
- Amine Unit Designs and Reviews
- HAZOPS

TECHNICAL SEMINARS

- Amine Unit Operations, Maintenance, and Troubleshooting

LABORATORY SERVICES

- Amine Solvent Analysis
- Contaminant Material Analysis
- Amine Foaming Evaluations
- Amine Emulsification Evaluations
- Antifoam Screenings
- Used Filter and Coalescer Element or Media Evaluations

RENTAL VESSELS

- Liquid and Gas Filters
- Liquid-Liquid Coalescers
- Activated Carbon Beds

GAMMA SCANS FOR AMINE UNIT TOWERS

AMINE SOLVENT RECLAIMING

AMINE UNIT REVAMPS & CLEANING

Performance Products

AMINE UNIT EQUIPMENT (RECONDITIONED OR NEW)

VESSELS (FILTERS, COALESCERS, SCRUBBERS AND CARBON BEDS)

- Complete Systems or Single Vessels
- Vessel Licensing (Design and Performance Guarantee)

ELEMENTS

- Filters (Feed Gas, Lean and Rich Amine)
- Coalescers (Feed Gas and Liquid Coalescing)

VESSEL RECONFIGURATIONS

- For Improving Performance of Existing Vessels

INSIM™ - INLET SIMULATOR FOR INLET SEPARATION TO AMINE UNITS

- Gas Coalescers and Gas Filters

FEED GAS WATER WASH

- Injection Systems and Water Reuse
- Water Injection Support

CHEMICAL ADDITIVES

- Antifoams for Amine Units
- Emulsion Breakers for Amine Units (Liquid Contactors)
- Corrosion Inhibitors for Amine Units
- Iron Sulfide Control Agents
- Pipeline Foam Reducers
- H₂S Scavengers
- Mercaptans Scavengers

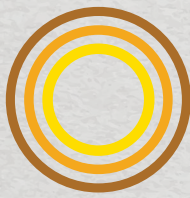
ACTIVATED CARBONS (GRANULAR OR PELLETIZED, SEVERAL TYPES)

FOAM TEST KITS (FOR FOAM TENDENCY AND FOAM STABILITY TESTING)

LABORATORY AMINE ANALYSIS SETUP (COMPLETE ANALYSIS KIT)

MONITORING TECHNOLOGY

- Lean Amine Loading Probes (Wired to the Control Room)



Amine Optimization

Specializing in Amine Unit Performance

Amine Optimization Company is a total solutions provider for Amine Units.

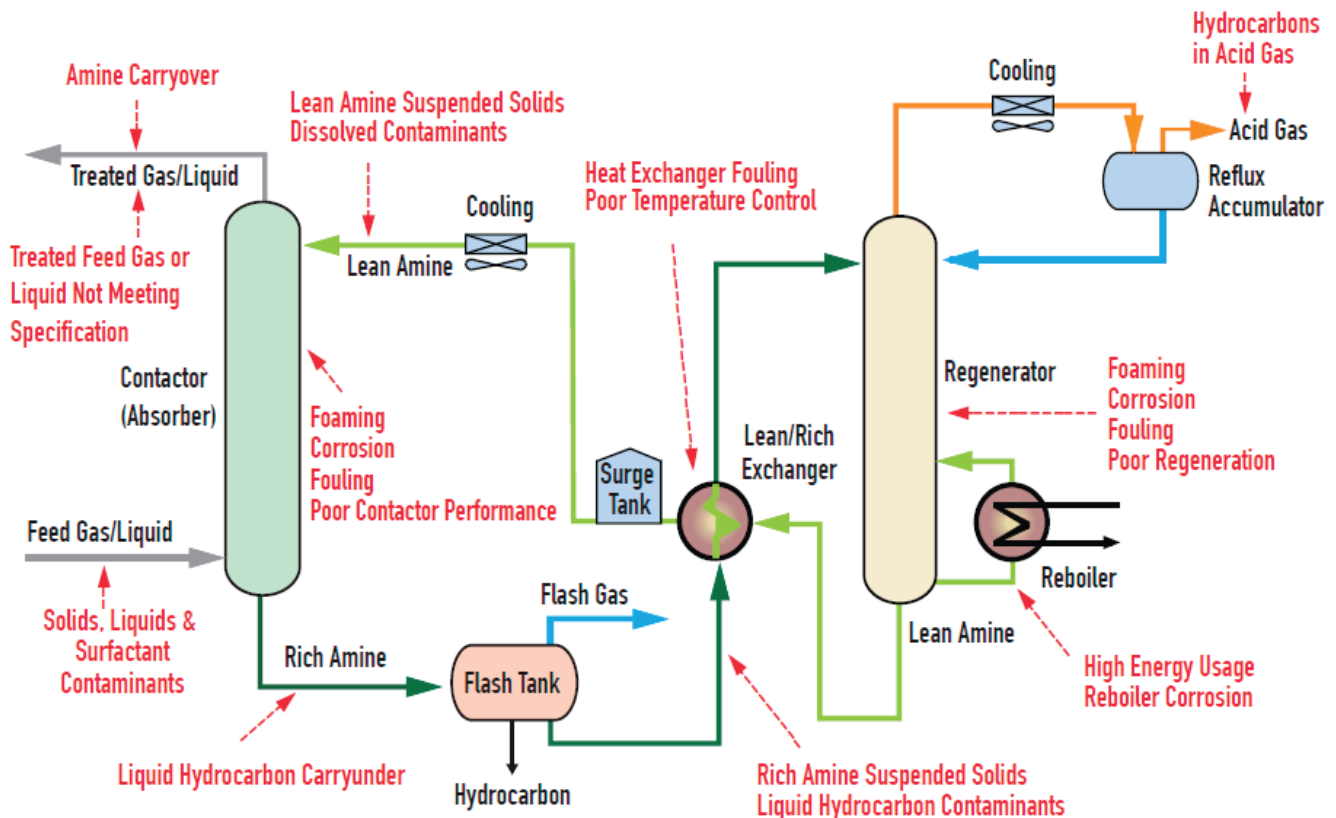
We enable Amine Units to perform efficiently with a stable process and reliable equipment.

Created in 2010, Amine Optimization Company focuses on the critical 3 P's for Amine Units:

PERFORMANCE | PRODUCTIVITY | PROFITABILITY

Located in The Woodlands - Texas, about 30 minutes north of Houston, Amine Optimization Company and its multidisciplinary team of engineers, scientists and professionals provide technical services, performance products and expert consulting support for different types of Amine Units worldwide.

Amine Unit Diagram & Process Deficiencies



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