



# Amine Optimization

Specializing in Amine Unit Performance

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## Publications & Conferences

1. **Feed Gas Conditioning to LNG Processing Plants**  
LNG Magazine 2019 (in press)
2. **LNG Troubleshooting**  
Hydrocarbon Engineering Magazine 2019
3. **Manage Contaminants in LNG Feed and Cryogenic Processing - Part 2**  
Gas Processing Magazine 2019
4. **Manage Contaminants in LNG Feed and Cryogenic Processing - Part 1**  
Gas Processing Magazine 2019
5. **Case studies of troubleshooting amine treating foaming - Part 2**  
Gas Processing Magazine 2019
6. **Case studies of troubleshooting amine treating foaming - Part 1**  
Gas Processing Magazine 2019
7. **War Stories from Foaming Front**  
PTQ Magazine Gas 2019
8. **Analysis of semi-solid “shoe polish” material in a refinery TGTU**  
Gas Processing Magazine 2019
9. **Managing Process Contaminants in Amine Units**  
Nexo Solutions Publication Version 1.2 2018
10. **Feed Conditioning Technologies for Gas Processing Plants**  
ePTQ Magazine 2018
11. **Manage contaminants in amine units Part 2: Rich amine filtration, inlet separation & amine foaming**  
Hydrocarbon Processing Magazine 2018
12. **Managing process contaminants in amine units Part 1: Lean amine filtration**  
Hydrocarbon Processing Magazine 2018
13. **Surfactant-stabilized emulsions in amine units for LPG treating**  
PTQ Magazine 2018
14. **Surfactant Contaminants in Feed Gas Streams to Amine Units—The Phantom Foaming Agent**  
Gas Processing Magazine 2018
15. **Novel H<sub>2</sub>S Removal Technology Proved in Gas Treating Field Tests**  
Oil and Gas Journal 2017
16. **Manage Activated Carbon Effects on MDEA Solution Foaming**  
Gas Processing Magazine 2016
17. **Remove mercaptans from hydrocarbon condensates and NGL streams**  
Gas Processing News Magazine 2016
18. **Improve LPG treating via advanced amine-solvent recovery technologies**  
Hydrocarbon Processing 2015
19. **Solid Sludge (Shoe Polish) Evaluation in Refinery Amine & Tail Gas Treating Units**  
Filtration News 2015
20. **Activated carbon impact on MDEA amine solutions**  
Filtration + Separation 2015
21. **Filtration and Separation: Avoid Common Errors**  
Chemical Engineering Magazine 2015



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22. **The Seven Deadly Sins of Filtration and Separation Systems**  
Gas Processing News 2015
23. **Controle de Contaminação em Unidades de Amina e TGT (Tail Gas Treating)**  
Revista Meio Filtrante 2014
24. **Examine Inlet Separation Technologies for Increased Reliability**  
Gas Processing News 2014
25. **Natural Gas Contaminants in Compressor Feeds**  
Compressor Tech2 2014
26. **Choose Optimal Feed Conditioning Strategies for Gas Processing**  
Gas Processing Magazine 2014
27. **Hydrocarbon Contamination in Amine Acid Gas**  
Sulphur Journal 2014
28. **Reducing Hydrocarbons and Solids Contamination in Sour Water Strippers**  
Hydrocarbon Processing Magazine 2013
29. **Filtration and Separation in Sulfur Recovery**  
Chemical Engineering Magazine 2013
30. **Fouling Solutions - is Suspended Solids Filtration the Right Answer?**  
Filtration News 2013
31. **Process Industries: Mitigating the Fouling Menace**  
Filtration + Separation Magazine 2013
32. **Strategies for Minimizing Hydrocarbon Contamination in Amine Acid Gas**  
Sulphur Journal 2013
33. **Troubleshooting Contamination in Gas Compression**  
Compressor Tech 2 2013
34. **Reducing Hydrocarbons in Sour Water Stripper Acid Gas**  
Sulphur Journal 2012
35. **Amine Unit Contamination Overview**  
American Filtration and Separation Society Web Article 2012



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- 1. Identifying and Managing Contaminants in LNG Feed Gas and Cryogenic Processing**  
GPA Midstream Association Convention 2019
- 2. War Stories from Foaming Front**  
Laurance Reid Gas Conditioning Conference 2019
- 3. New Technologies for Mercaptan Removal in Natural Gas Liquids**  
Gastech, 2018
- 4. New Mercaptans Removal Technologies for Treating Hydrocarbon Streams**  
Gas Processor Association National Convention 2018
- 5. New Inlet Feed Gas Conditioning Technologies for Contaminant Removal in Amine Units**  
Gas Processor Association National Convention 2018
- 6. Surfactant Contaminants in Feed Gas Streams to Amine Units: The Hidden Foaming Agent**  
Europe Gas Processor Association National Convention 2017
- 7. Surfactant Contaminants in Feed Gas Streams to Amine Units: The Hidden Foaming Agent**  
Gas Processor Association National Convention 2017
- 8. New Technologies for H<sub>2</sub>S and Mercaptans Removal in Natural Gas and Natural Gas Liquids**  
Gas Pro 2016
- 9. Feedstock Contaminant Separation Impacts: Process Stability, Equipment Reliability and Plant Capacity**  
Petchem Tech Forum 2016
- 10. Feed Contamination to Amine and Sour Water Stripper Units Affecting the Sulfur Recovery Process**  
RefComm 2016
- 11. Exion GT: The Next Generation of Hydrogen Sulfide Removal Technologies for Natural Gas Treating**  
Gas Processors Association 2016
- 12. Mercaptans Removal from Hydrocarbon Condensates and NGL Streams**  
Laurance Reid Gas Conditioning Conference 2016
- 13. Amine System Filtration: How to Maximize Benefits**  
SOGAT 2015
- 14. LPG Treating Throughput Improvement Using Amine Solvent Recovery Technologies**  
American Fuel & Petrochemical Manufacturers 2015
- 15. Oil & Gas Process Separation Scale-Up Part 1: Sour Water and Sour Gas**  
AIChE 2014
- 16. Evaluating Inlet Gas Separation Systems for Plant Reliability**  
American Filtration & Separations Society, National Conference 2014
- 17. Where Filtration Fails - Media Sealing and Related Economics**  
American Filtration & Separations Society, National Conference 2014
- 18. The Seven Deadly Sins of Sour Water Stripping**  
AFPM 2014
- 19. Reducing Hydrocarbons in Sour Water Stripper Acid Gas**  
LRGCC 2014
- 20. Seven Deadly Sins of Filtration and Separation Systems in Gas Processing**  
Gas Processors National Convention 2013
- 21. Feed Conditioning Strategies for Gas Processing**  
SOGAT 2013



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22. **Innovation in H2S Removal Technologies for the Oil & Gas and Chemical Processing Industries**  
Chemminovations Conference 2013
23. **Sour Water Production and Processing in Oil Gas Operations**  
American Filtration & Separations Society National Meeting 2013
24. **Suspended Solids Fouling and Column Protection Using Separation Technologies**  
American Filtration & Separations Society National Meeting 2013
25. **Process Reliability in Amine Units by Contamination Control**  
Chemnovations Conference 2012
26. **Inlet Gas Coalescence for Reliability and Capacity Increase**  
American Filtration and Separation Society National Meeting 2012
27. **Pretreatment of Organic Materials for Selective Separation in Sensor Applications**  
American Filtration and Separation Society National Meeting 2012
28. **Chemically Assisted Separation Technologies**  
American Filtration and Separation Society National Meeting 2012
29. **Gas Coalescer Failure Modes and Effects**  
American Filtration and Separation Society National Meeting 2012
30. **Filtration and Separation Technologies in the Sulphur Trail**  
Sulphur Conference 2011
31. **Overview of Amine Unit Filtration and Separation Systems**  
American Filtration and Separation Society Regional Meeting 2011
32. **The Seven Sins of Filtration and Separation systems**  
American Filtration and Separation Society National Meeting 2011