

Breakthrough in Amine Treating

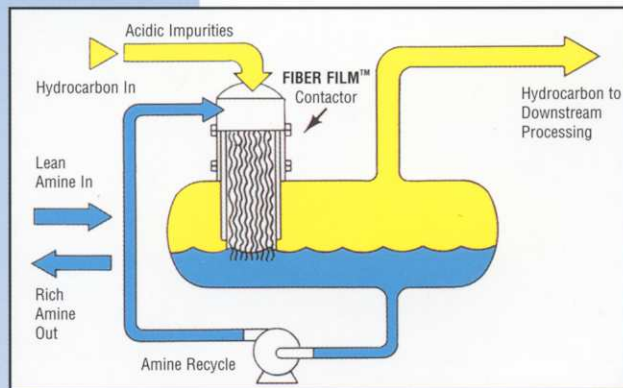
AMINEXSM

Makes Acid Gas Removal Sweet.

Improve your amine treating operation with AMINEXSM, Merichem's revolutionary technology for H₂S and CO₂ extraction from gas and LPG streams. With the AMINEXSM system purifying the light hydrocarbons, your refinery or gas plant benefits in five key ways:

- The simple AMINEXSM process is on-line 24 hours a day, 365 days a year. This innovative technology uses no unreliable tray or packing internals that can easily corrode or plug.
- The AMINEXSM process eliminates costly amine carryover and the need for additional downstream amine capturing equipment.
- The co-current AMINEXSM system operates efficiently over a wide range of throughputs and operating conditions for maximum turnup and turndown flexibility.
- Amine is recycled within the AMINEXSM unit for even greater treating efficiency.
- Existing amine extraction towers and settlers can easily be converted to AMINEXSM units, expanding system capacities and minimizing investment costs.

AMINEXSM is just one of many FIBER-FILMTM technologies at work in nearly 450 applications worldwide. More and more refiners are discovering the FIBER-FILMTM solution to their immiscible liquid/liquid and gas/liquid contact problems. Put Merichem's proven technology to work in your refinery today. Call for more information or a detailed proposal at no cost or obligation.



Acid Gas extraction method. AMINEXSM is based on Merichem Company's patented FIBER-FILMTM technology. Packed with proprietary corrosion-resistant

metal fibers, the FIBER-FILMTM Contactor provides a huge surface area for enhanced contact between hydrocarbon phase (yellow) and the aqueous phase (blue). The result is more efficient mass transfer without acid entrainment. Separation is quick and complete, requiring extremely short residence times.



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