

H₂S & Mercaptans Removal

Propane, Butane, LPG, LNG & Condensate

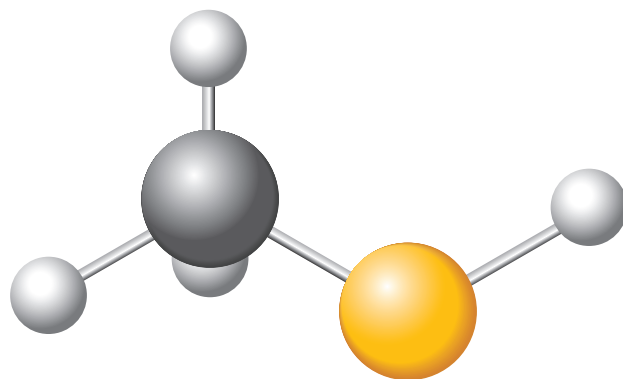
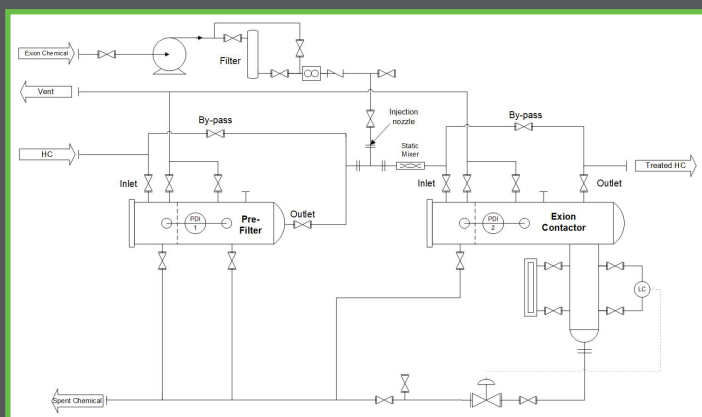
The Next Generation of Process Systems

Exion® LT:

- High Removal Efficiency
- Low Capital Costs
- Small Vessel Sizes
- Minimal Maintenance
- Skid Mounted Systems
- Modular Flexibility
- Continuous Operation

The Exion® LT (Liquid Treating)

is a patent technology designed to remove H₂S & mercaptans from propane, butane, LPG, NGL and light condensates followed by complete separation. The unit has a chemical injection system followed by a proprietary contacting and separation process. This is a single pass system with high efficiency.



The Exion® LT 200 chemical converts the H₂S and mercaptans instantaneously into a non-hazardous and water-soluble component requiring very little contact time. The Exion® LT system allows for high efficiency reaction and separates the treated hydrocarbon stream from the reacted chemical. The spent chemical is easily disposed by several methods depending on the plant infrastructure. The chemical (Exion® LT 200) is a water-soluble blend of polyol and active components. The chemistry is extremely effective in removing H₂S, COS, CO₂ and light mercaptans (C₁-C₄). The chemical is effective across a wide range of temperatures.

The Exion LT system can be fully automated and skid based. Systems can be used for batch treating as well for continuous processing. Exion systems ensure your hydrocarbon product will meet your treated specifications.

www.exionsystems.com

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CASE STUDY 1 USA

Feed: Butane

Flow: 1,500 bbl/d (43.8 gpm)

C₁-C₃ RSH: >85 ppmw

Target RSH: <5 ppm

Cost/bbl: \$0.25

CASE STUDY 2 Canada

Feed: Light Condensate

Flow: 12,000 bbl/d (350 gpm)

C₁-C₃ RSH: 644 ppmw

Target RSH: <175 ppmw

H₂S Current: 20 ppmw

H₂S Target: 0 ppmw

Cost/bbl: <\$0.55



COMPLETE SYSTEMS AND TECHNOLOGY LICENSING AVAILABLE

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