

THIOLEX™

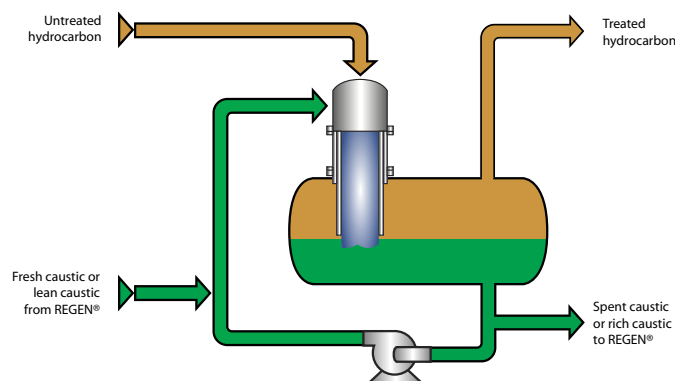
Caustic Extraction of Acid Gas



THIOLEX™ technology was first licensed in 1980 and to date Merichem has granted 224 unit operating licenses world-wide. The non-dispersive FIBER FILM® Contactor achieves reduced capital expenditure and less plant space requirements compared to most treating alternatives, making THIOLEX™ the technology-of-choice.

Applications

Downstream	Crude Distillation Unit	Saturated LPG (H ₂ S, RSH, COS)
		LSR/HSR Naptha (H ₂ S, RSH)
	FCCU or RCCU	Unsaturated LPG (H ₂ S, RSH, COS)
		Light FCC Gasoline (H ₂ S, RSH)
	Coker, Visbreaker or Hydrocracker	LPG and Naptha (H ₂ S, RSH, COS)
Midstream	NGL Fractionation	Propane (H ₂ S, RSH, COS)
		Butane (H ₂ S, RSH)
		Natural Gasoline (H ₂ S, RSH)
Upstream	Gas Production Field	LPG (H ₂ S, RSH, COS)
		Condensate (H ₂ S, RSH)
	Oil Production Field	Crude Oil (H ₂ S, CO ₂ , RCOOH, RSH)
	Oil Sands Heavy Oil Upgrader	LPG (H ₂ S, RSH, COS)



THIOLEX™ technology employs the FIBER FILM® Contactor as the mass transfer device and utilizes caustic as the treating reagent to remove acid gas and mercaptan compounds from liquid and gas hydrocarbon streams.



Each treating system is custom-designed to meet customer requirements, then engineered and fabricated to the customer's specifications. Whether your need is for a completely new facility or a minimum retrofit to upgrade existing equipment, Merichem Company has the solution.

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