



Blackmer Sliding Vane Pump Plays Pivotal Role In Keeping Ammonia Supply Flowing To Bayer's Houston Plant



The choices came down to two: either find a way to make it work, or shut an entire chemical plant down until repairs could be made to a damaged pipeline. This situation arose earlier this year in Houston, where international chemical and pharmaceutical giant Bayer operates a chemical plant. To maintain its 24/7 operating schedule, the plant relies on a continuous supply of ammonia that is shipped via a 14-mile-long pipeline from the Houston Ammonia Terminal. However, when the pipeline needed to be taken out of service for six

weeks, Bayer needed to find an alternate solution or face the prospect of shutting the plant down.

Working with personnel from Airgas Specialty Products, Duluth, GA, which supplies ammonia-related services to Bayer, and Gas Equipment Company, Inc., Dallas, TX, a supplier of equipment to Airgas, a solution was crafted: have the ammonia delivered by common carrier to the plant and then transferred into the plant. To do this, though, some strict parameters needed to be met: ammonia delivery had to be continuous at 100 gallons per minute with pressures between 200 and 230 pounds.

To meet these demands, Roy Nichols, Project Manager, NOx/SCR Ammonia Equipment for Gas Equipment Co., knew there was only one solution: a Blackmer [LGLD3E V-Belt sliding vane pump](#).



"We were prepared for failures and anytime you have an ammonia system running 24/7 you need reliable equipment, and if Bayer lost its ammonia, they'd have to shut the plant down," said Nichols. "Like they say, if you're going to do the job right, you better get Blackmer



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[LGL Series Sliding Vane Pump](#)

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the first time.”

He couldn't have been more right as, after six weeks of continuous duty, the final tally was 673 deliveries that shipped 21,614,160 pounds of ammonia without a single drop spilled.

For more information on Blackmer [LGL Series Sliding Vane Pumps](#), please visit us at www.blackmer.com.

We welcome your feedback and hope you find this information useful.

Respectfully,

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