



Adhesive Application in the Chemical Industry

Challenge

A company in the chemical sector faced difficulties in pumping glycerin at high temperatures (~392°F / ~200°C) within its adhesive, sealant, and elastomer manufacturing process. Conventional pump models could not withstand these extreme conditions, making it difficult to implement this process.

Solution

Our business partner, together with an MP Pumps specialist, identified the need for a robust centrifugal pump resistant to high temperatures, along with the implementation of a proper preheating system.

The chosen solution was the HTO80 thermal oil centrifugal pump, designed to operate safely and efficiently in high-temperature applications. In addition to providing the equipment, a customized consultancy was carried out to optimize the client's process, where a local supplier was developed for NEMA-standard motors, specifically adapted to the operational needs, ensuring even more efficiency and reliability in the system.

The trust conveyed by the sales consultant, combined with the prompt delivery of the product, were decisive factors in choosing MP Pumps, even with a 20% higher cost compared to the competition.

Results

- **Greater reliability:** From the first tests, the solution demonstrated exceptional performance and total suitability for the application.
- **Reduced downtime:** The robustness of the system significantly minimized the need for maintenance.
- **Outstanding service:** Agile and proactive technical support, ensuring quick problem resolution and anticipating potential new issues.
- **Tailor-made solution:** Development of a local supplier for NEMA-standard motors, specialized consultancy for preheating system installation, and total adaptation to the client's specific needs.

Thanks to specialized technical support and efficient after-sales service, the client achieved a reliable, high-performance solution, perfectly aligned with the demands of their industrial operation.



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