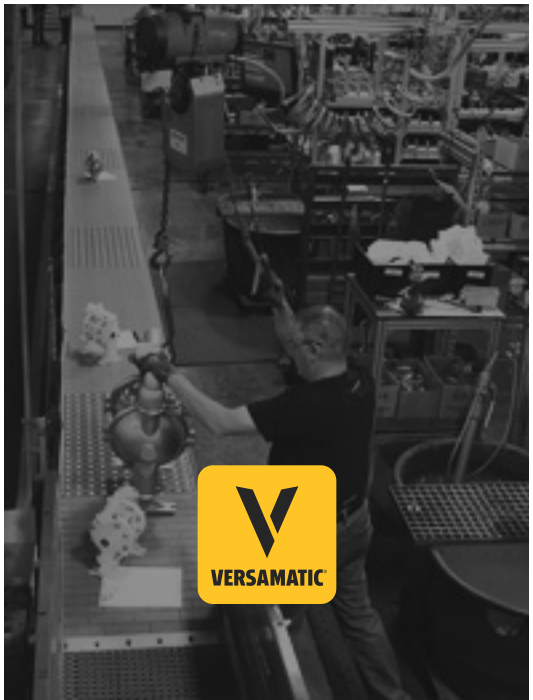
AODD PUMPS HELP DELIVER **$50,000 IN ANNUAL ENERGY SAVINGS** TO INDUSTRY-LEADING CHEMICAL MANUFACTURER



An industry-leading chemical manufacturer in South Carolina was set to expand its plant. While making plans, plant engineers had growing concerns over the age of their existing air-operated double-diaphragm (AODD) pumps. Their existing AODD pumps were nearly obsolete and no longer being supported by the manufacturer. In addition, they suspected more modern pump designs were available with improvements in reliability and energy efficiency.

THE CHALLENGE

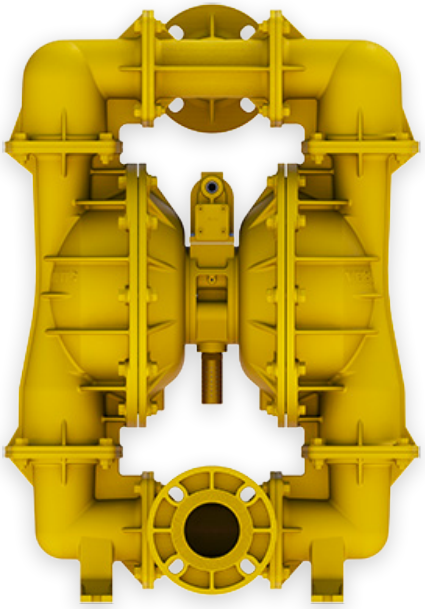
To complete a planned expansion in the most efficient way, the chemical manufacturer needed new chemical transfer pumps.

The old pumps used outdated technology and a lot of energy. In order to run them, the company needed to use three 75 horsepower (hp) air compressors (each providing 364 standard cubic feet of air per minute). Not to mention that plant management was going to need to buy a new air compressor to keep the old pumps running—which was going to cost an additional $100,000.

And because the plant uses many chemicals during production, the new chemical transfer pumps also needed to be resistant to every chemical pumped.

THE SOLUTION

Pump South, a Versamatic distributor for over 20 years, determined the right pump for the job was a Versamatic 3" bolted metal AODD pump in Stainless Steel with Santoprene elastomers because it was able to stand up to every harsh chemical the plant pumped and it met flow and pressure requirements. The pump was also much more efficient than the older models.



To ensure this AODD pump would meet the plant requirements for a robust unit that would operate reliably in the application and address energy concerns, Pump South installed one pump in the plant on a trial basis. After using it for 90 days, the chemical manufacturer decided it was perfect for the job and purchased 30 units total for installation throughout the plant.

Since installing the new pumps, the chemical manufacturer has seen considerable cost savings—approximately $50,000 per year—through:

- **Energy efficiency:** Instead of buying an additional air compressor to power their pumps, plant managers were able to turn off one of their existing three air compressors, as well as save energy by using the drastically more efficient Versamatic pumps.
- **Versatility:** All of the pumps are the same model. This means they can be moved throughout the plant to handle any job, and mechanics only need to stock parts for one type of pump.
- **Utility company grants:** The AODD pumps' reduced energy consumption allowed the chemical manufacturer to secure upwards of $50,000 in grant money from the local power company, which was then used to pay for a large portion of the expansion project.

ARE YOU LOOKING FOR WAYS TO SAVE MONEY?

If you're charged with saving money and reducing plant downtime, check out Versamatic AODD pumps.

Each of our pumps is designed to deliver energy efficiency and long-term cost savings. Additionally, our technology ensures you're getting some of the most reliable and versatile pumps in the industry.

Trust Versamatic for durable products that keep your operations running smoothly.

FIND A DISTRIBUTOR

Breaking Down the $50,000 Saved Per Year

$36,000
in savings on electrical costs

+

$9,000
in savings on repairs

+

$5,000
in savings on air compressor maintenance and replacement costs

$50,000 per year in savings

The amount saved per year was so substantial that the chemical manufacturer was able to recoup the cost of the entire expansion project within five-and-a-half years.