

Graco Husky 1050e Reduces Energy Consumption for Worldwide Manufacturer



SUCCESS STORY

Despite the fact that about 70% of factories use them, air compressors are one of the most expensive and least efficient sources of energy. Many times, the energy bills exceed the cost to purchase the air compressor after only two years of operation. In response to the issue of energy consumption, manufacturing companies have become increasingly interested in electric pumps as a more efficient alternative to air operated pumps.

Challenge:

A worldwide manufacturer of building materials and supplies produces ceiling and acoustic tiles in its northern Minnesota location. They previously relied on their Sandpiper HDF2 Air Operated Diaphragm pump to supply paint to their roll coating applicator in order to paint the ceiling tiles. However, the Sandpiper's high energy consumption prompted the company to search for a more energy efficient system.

Solution:

The manufacturing company decided to replace the Sandpiper HDF2 with Graco's Husky 1050e Electric Diaphragm Pump, which allowed them to reduce energy costs by five times per pump and greatly reduce energy consumption overall. The company was pleased to discover that the low pulsation operation of the Husky 1050e was a benefit for their roll coating application because it ensured that paint did not splash or spill in the roll coating trough during the application. The company also found that the Husky 1050e's seats, balls, and diaphragms have outlasted the Sandpiper's wetted wear parts. At first, the customer had difficulty adapting to the flow rate display on the VFD and the electronic control, but over time, the customer grew to prefer this method of setting the VFD to display the flow rate because it allowed the customer to see the actual flow rate rather than arbitrarily setting a pressure on an AODD pump.

Results:

The manufacturing company was grateful to the Husky 1050e for enabling them to decrease their energy consumption by five times per pump. They were also happy to find that the pump's low pulsation prevented the paint from contaminating the machines and wasted less paint. The Husky 1050e's durability decreased downtime and maintenance requirements and allowed for greater productivity. Lastly, the flow rate display allowed this company to accurately achieve the flow rates they wanted. Overall, the Husky 1050e saved this worldwide manufacturer money in energy consumption, materials, maintenance, and downtime while helping them operate efficiently.



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