

Finish Thompson Sealless Pumps Provide Perfect Fix for Waste Water Plant Odor Control System



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When your operations involve using 40% sulfuric acid, you need a pump that can handle the harshest of chemicals. One Costa Rica-based waste water treatment plant discovered that the pumps in their facility were not up to the task.

“The pumps lasted a mere four to five months before the seals and the impellers failed,” reports Gilberto Narváez Cardona, Finish Thompson Regional Manager for Latin America. Clearly, the plant needed a better pump to meet the demands of their extreme-duty application.

The failing pumps were part of the plant’s two-tower odor washing system. One section uses sulfuric acid, and the other involves chlorine. The failure of the mechanical seals was causing dangerous spills in the installation area, which posed hazards for employees and the environment. Realizing the customer needed something safer and more reliable, the local distributor recommended Finish Thompson’s mag drive pumps.

Specifically, the UltraChem® UC Series pumps were recommended by the distributor. These pumps feature a sealless design that provides reliable operation even in the harshest environments.



Finish Thompson UC Series mag drive pumps provide safe, reliable fluid transfer for odor control systems applications.

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Once the Finish Thompson UC pumps were installed, the issues ceased. "Their UC pumps are almost two years old now and have experienced no problems," notes Gilberto. Switching from the sealed pump technology to magnetic coupling eliminated the issues with worn seals and the inevitable leaks they caused.

Local Support

As the plant sought better solutions for their application, a second high priority for their pump specification was the availability of local support. Gilberto explains, "Previously, any spare parts they needed had to be shipped from Spain, at high cost and with very long wait times." As a result, their systems experienced extended down times, which also generated offensive odors.

With Finish Thompson pumps, the distributor can supply the plant much faster and more economically. This improves the customer's operations and their bottom line.

Complete Satisfaction

"The initial UC pump that was installed met all their expectations," notes Gilberto. The company was so satisfied with the results that they decided to replace their other pumps with Finish Thompson's UC Series as well, to complete the upgrade of their odor control application and provide reliable operation for their systems going forward.

ANSI-Dimensional ULTRAChem® Pumps

Finish Thompson's ULTRAChem UC Series pumps are engineered for reliability in the most extreme chemical handling applications.

They are constructed from tough ductile iron with an ETFE lining for superior corrosion resistance.



Finish Thompson Inc. designs and manufactures pumps for the safe transfer of a wide variety of corrosive liquids. Products include sealless mag-drive centrifugal pumps with run-dry capability, mechanically sealed pumps, drum and barrel pumps, vertical mag-drive pumps, multi-stage pumps and FTI Air line of air operated double diaphragm (AODD) pumps. For durable solutions for your applications, [contact Finish Thompson Inc.](#)



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