

FILTER PRESS PUMPING

THE CHALLENGE

The Customer was using AODD pumps to pump potato starch into their filter press. The potato starch is very abrasive and hard on the pumps causing constant pump failure. The Customer was often replacing pumps and pump parts, diaphragms, shafts, etc. The downtime and replacement costs were expensive.

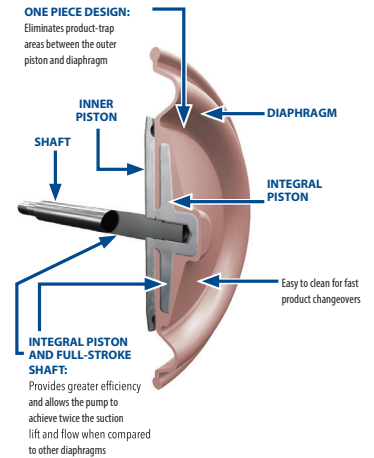
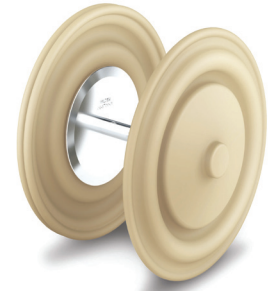
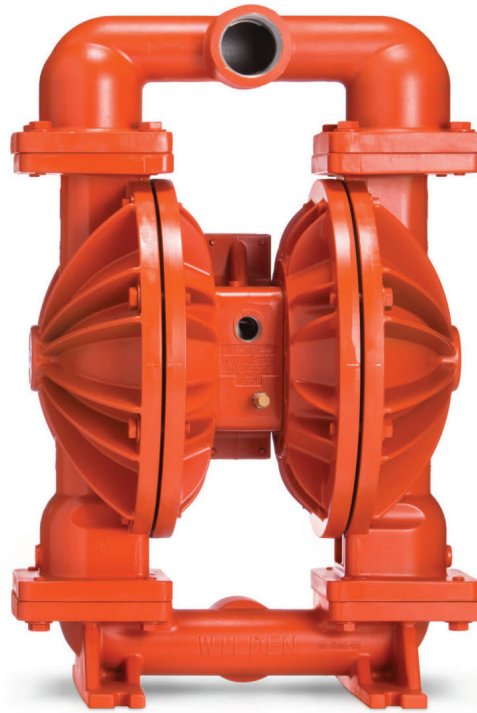
THE SOLUTION

Our Application Expert - Carlos Barbosa - met with the Customer to discuss an alternative and brought some samples of Wilden Diaphragms and offered material options. Wilden IPD Chem-Fuse Diaphragms were chosen. These diaphragms feature a one-piece design that offers a safe, clean and reliable product transfer with no product entrapment areas to minimize product contamination and risk liabilities. They have a smooth, contoured shape and no outer piston. They also provide greater flow rates and faster installation, all without sacrificing performance.

THE RESULTS

- ▶ Improved Uptime
- ▶ Reduced Service & Maintenance Costs
- ▶ Significant Cost Savings

For more information on this solution or if you have a fluid handling challenge of your own - Contact a John Brooks Company Application Expert today!



FOOD PROCESSING | POTATO STARCH PUMPING FILTER PRESS PUMPING

TECHNOLOGY UTILIZED

[Wilden Chem-Fuse Integral Piston Diaphragms \(IPDs\)](#) constructed from Wil-Flex material.

HOW IT WORKS

- One-piece design eliminate product-trap areas between the outer piston and diaphragm.
- Integral Piston and Full-Stroke Shaft provides greater efficiency and allows the pump to achieve twice the suction lift and flow when compared to other diaphragms.
- The design makes these diaphragms easy to clean for fast product changeovers.