

HOG FEEDING SYSTEM ENSURES FEED INTEGRITY AND OPTIMIZES FEED QUALITY & NUTRITION

THE CHALLENGE

A hog-feeding facility in rural Saskatchewan was pumping hog-feed to 100 separate feed stations for feeding piglets. The perishable feed, consisting of milk fats, proteins, and vitamins, needed to be delivered to the piglets efficiently and without the milk proteins and fats separating, ensuring each piglet receives the appropriate nutrients.

THE SOLUTION

Our pump application expert understood the need for a pump solution with low shear to keep the feed intact and, given the short shelf-life of the feed mixture, the pump also required a high flow to ensure efficient and dependable delivery to each feed station. A SEEPEX Progressive Cavity Pump equipped with a VFD and control panel was offered to solve their problem.

The SEEPEX pump met the high-flow demand, and progressive cavity pumps are the best on the market for shear sensitivity challenges. The VFD with the control panel gives the Customer the ability to adjust flow rates with production requirements.

This turn-key package is easy to install and eliminates labour-intensive feeding at individual stations. It also centralizes the feeding station, allowing staff to monitor feeding rates efficiently and identify trouble areas where feed rate fluctuations can signify issues with the piglets and hogs.

THE RESULTS

- ▶ Increased Efficiency
- ▶ Increased Production
- ▶ Reduced Costly Waste

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!



AGRA/FOOD | HOG FEED PRODUCTION

SEEPEX PROGRESSIVE CAVITY PUMP HOG-FEEDING SYSTEM EFFICIENTLY DELIVERS TO 100 FEED STATIONS

TECHNOLOGY UTILIZED

SEEPEX Progressive Cavity Pump BN Range with Variable Frequency Drive (VFD) and Control Panel

- ▶ **Conveying Capacity:** 30 l/h – 500 m³/h (0.132 USGPM – 2,200 USGPM)
- ▶ **Pressure:** Up to 48 bar (720 PSI)
- ▶ For low to highly viscous media with or without solids.
- ▶ Short, compact design with directly flange-mounted drive (block type).
- ▶ Enhanced combination options: block design available in all sizes and pressure stages.
- ▶ Low-cost due to the removed bearing frame, flexible coupling and common base plate.
- ▶ Easy maintenance due to the plug-in connection between the rotating unit and drive.
- ▶ Separate pump bearing omitted.

HOW SEEPEX PROGRESSIVE CAVITY PUMPS WORK

- **The Principal:** SEEPEX progressive cavity pumps belong to the group of rotary positive displacement pumps.
- **The Features:** Two conveying elements with special geometry and off-center rotary motion
- **How it Works:** The geometry of rotor and stator forms enclosed cavities. The rotary movement of the rotor transfers the medium for the suction to the pressure side.