A global pig processing company installed multiple 2-inch Stainless Steel Heavy Duty Flap Valve pumps fitted with Buna elastomers in the blood collection area of one of their pig packing plants. The blood is collected in a sump/trough and then pumped to the next step in their process.

This application previously applied conventional AODD Ball Valve pumps but those pumps were constantly failing due to their inability to pass the solids that were finding their way into the blood collection sumps. Pumps in this area need to be able to handle both the blood and the solids. Our SANDPIPER distributor salesperson introduced the Heavy Duty Flap Valve (HDF) pump that features wide-opening flap check valves that can pass the solids content in the blood. This pig packing plant is now successfully up and running with no ongoing maintenance issues.

This is a common application for the Sandpiper HDF pumps since their introduction in 1968. They have been used so often in blood collection areas that many plant personnel refer to them as the “Blood Pump”.

The plant also continues to replace older failed pumps with new HDF pumps as they also provide the opportunity to have one pump serve multiple applications which simplifies maintenance and lowers spare parts costs. The SANDPIPER HDF pumps are now also used in other applications ranging from casing waste removal to wastewater sludge transfer.

For more information on this application contact Warren Rupp, Inc.