

Poultry Plant Case Study

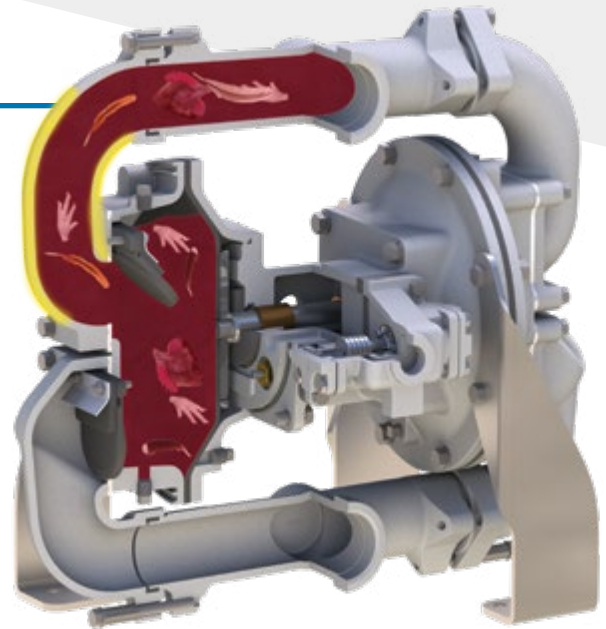
Sandpiper HDF Pumps For Blood Collection

Company Profile: One of the world's most prominent food processing companies has multiple food processing plants globally. This company plays a critical role in processing value-added chicken, beef, and pork both for U.S. domestic and international markets.

Industry: Food & Beverage, Meat Packing

Products: HDF2

End User: Global processor of poultry, beef, and pork



SANDPIPER HDF Pumps feature flap check valves that allow up to pipe-size solids to pass

This is also one of the most economic choices for this application where in some cases progressive cavity pumps were used that required elaborate control systems, more expensive to repair, and more difficult to troubleshoot.

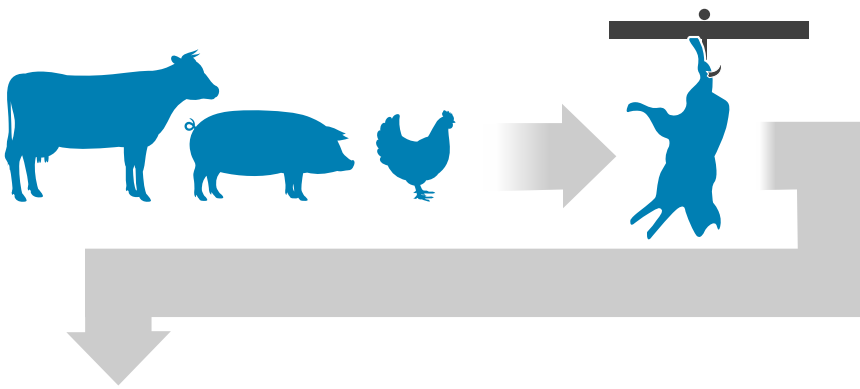
For more information on this application contact Warren Rupp, Inc.

A leading poultry producer installed two HDF3 Aluminum pumps fitted with Buna elastomers in the blood collection area of one of their U.S. packing plants. The blood is collected in a sump/trough and then is pumped through filters to a storage tank. The blood is then used in other processes or sold to other companies. They were looking for a pump that could better handle the solids that drop into the collection sumps AND would not shear or froth the blood.

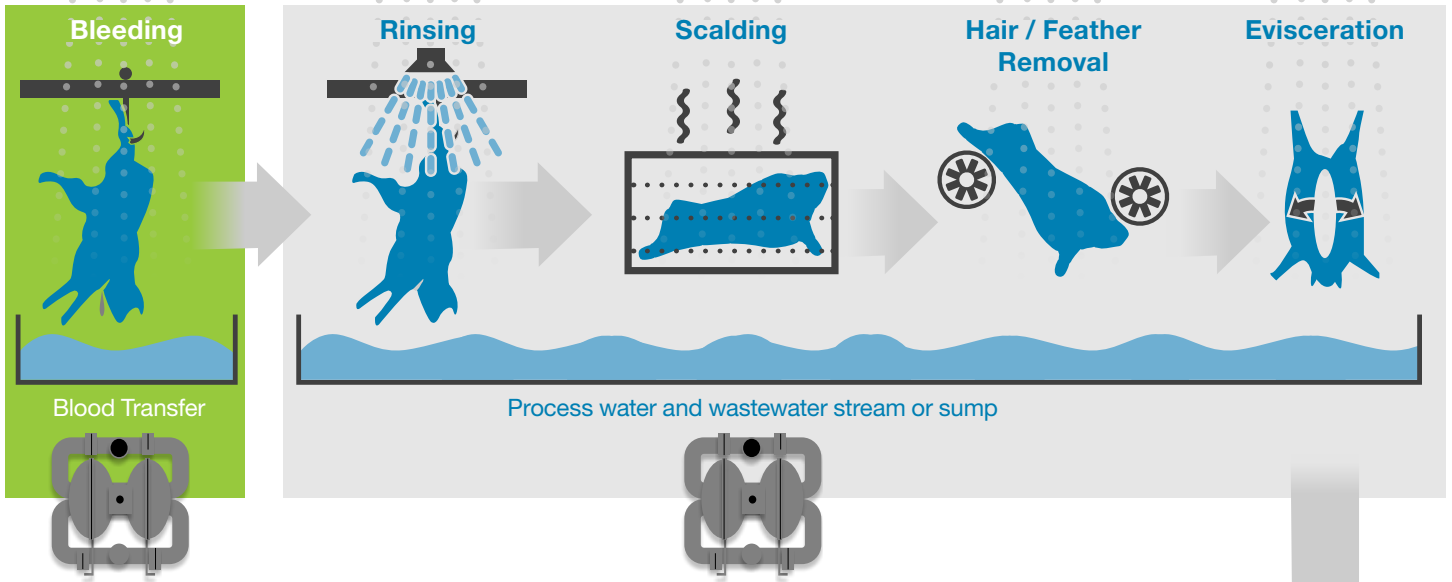
The nature of blood collection in a chicken plant is that heads and feathers can fall into the sump. This company had been using conventional Air Operated Double Diaphragm (AODD) Ball Valve pumps –which worked well under ideal conditions. However, these Ball Valve pumps could not handle the occasional solids. This is a common application for **Sandpiper Heavy Duty Flap (HDF) valve pumps** which efficiently handle the blood transfer while also effectively passing the heads and the feathers. Buna was chosen as the flap material due to its flexibility in this application as it is advised that Santoprene flaps not be used due to the rigidity of the thermoplastic.



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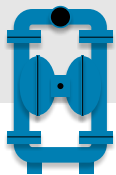
Cutting



Packaging



Utilizes Sandpiper's Standard Duty Ball Pump



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