THE CHALLENGE

At a gold mine site, the Customer used 2” Air-Operated Diaphragm Pumps for mine dewatering. However, high solid content in the water caused the ball check valves to fail to seat properly. This issue led to frequent pump stalls, ultimately halting production and impacting operational efficiency.

THE SOLUTION

Our Mining Application Expert met with the Customer on-site to assess the problem. He identified that the existing ball check pumps were unable to handle solids larger than 1". To resolve this, our expert recommended upgrading to the Wilden T810 BRAHMA Flapper Pump. This 2” pump can pass solids up to 2”, features fewer moving parts, and utilizes a flapper mechanism that opens and closes like a door—reducing wear and improving reliability in demanding mining conditions.

THE RESULTS

- Improved Uptime
- Reduced Service & Maintenance Cost

For more information on pump solutions for your unique mining operation, **contact John Brooks**

JOHN BROOKS
Keeping our world flowing™

Case Study

From Stalls to Stability: Dewatering Pump Upgrade

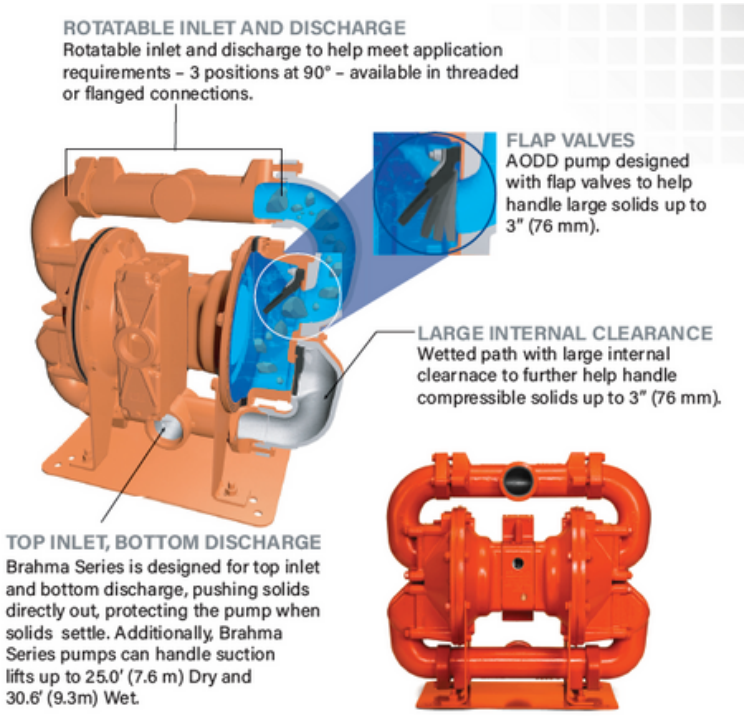
Featured Solution:

Wilden T810 BRAHMA Flapper Pump

Wilden Brahma AODD Flap Valve Pumps were specifically designed for maximum solids passage and high performance in the toughest applications. The Brahma pump has a unique top inlet and bottom discharge orientation and uses flap valves to allow the passage of large-size solids.

How It Works:

- The flap-valve design that features a large internal clearance and a flow-through wetted path, the Brahma offers a large-solids capacity that prevents the pump from clogging.
- Designed for top inlet and bottom discharge, pushing solids directly out, protecting the pump when solids settle. Can handle suction lifts up to 7.6 m (25.0') Dry and 9.3 m (30.6') Wet.



JBCS-P19-082721