

Pro-Flo® SHIFT Series - The Premium Air Distribution System (ADS) for Air-Operated Double-Diaphragm (AODD) Pumps

The Wilden® Pro-Flo® SHIFT (PS) is the industry's premier air distribution system (ADS) and your ideal solution to increase productivity, lower energy consumption, reduce air consumption and simplify maintenance. With design benefits unmatched by any other ADS on the market, the innovative, yet simple PS features an air control spool that automatically optimizes air consumption and eliminates overfilling of the air chamber with no reduction in flow rate. This design conserves energy while maximizing mean time between repair (MTBR) for your air-operated double-diaphragm (AODD) pump. Ideally suited for a wide variety of industrial applications, the PS is your go-to solution to maximize productivity and lower costs.

Pro-Flo® SHIFT Series Bolted Plastic AODD Pump

The Wilden® bolted plastic air-operated double-diaphragm (AODD) pump combines maximum performance and efficiency with superior containment. Wilden's bolted-construction pumps offer improved flow rates and a redesigned liquid path that reduces internal friction for maximum output and longer diaphragm life.

- DIN or ANSI flanged inlet/discharge liquid connections
- Featuring the energy-efficient Pro-Flo® SHIFT ADS
- Greater flow - more gallons pumped per SCFM
- Reduced air consumption and kilowatt usage
- Bolted construction for superior containment
- Large-solids passage
- High suction lift
- Ease of operation and maintenance
- Increased on/off reliability
- Longest Mean Time Between Repair (MTBR)

Wilden® Saniflo™ Hygienic™ Series AODD Pumps for Hygienic and Sanitary Applications

Saniflo™ Hygienic™ Series (HS) Pumps are uniquely designed for high-cleanliness requirements and feature a free-draining flow path that enables clean-in-place (CIP) capability. The HS flow-through liquid-path design also eliminates any potential areas where product residue can be trapped and contaminate the product. They are perfect for low-acid, pasteurized and protein-based products all the way up to biopharmaceutical sterile processes. HS pumps also meet the highest standards and requirements in the industry, including 3A, ATEX, EC 1935/2004 and FDA CFR 21.177.

- Free-draining flow path for CIP capability
- Easy assembly with self-centering ball cages
- Permanent or rotatable stand for cleaning
- Multiple valve options: ball, mushroom, or flap for different application requirements
- Shear sensitive
- Greater flow - more gallons pumped per SCFM

Applications

- Food and Beverage
- Prepared Food and Sauces
- Poultry and Dairy
- Sweeteners and Acids
- Pharmaceutical and Cosmetics

Wilden® Saniflo™ FDA Series AODD Pumps for Hygienic and Sanitary Applications

The Saniflo™ FDA Series pumps are designed for standard food applications that don't require the Hygienic™ Series (HS) design or clean-in-place (CIP) capability. They are well suited for sanitary applications moving high-acid, high-sugar and high-fat media. With simple installation and robust design, FDA pumps comply with FDA, CE, EC 1935/2004 and ATEX requirements.

- Tri-clamp connections with wingnut clamped design
- Quick breakdown/reassembly for cleaning
- Greater flow - more gallons pumped per SCFM
- Two air distribution system options:
 - Pro-Flo® SHIFT: multiple material options, high efficiency, high flow
 - Pro-Flo: durable, economical, one material option

Applications

- Food and Beverage

- Prepared Food and Sauces
- Poultry and Dairy
- Sweeteners and Acids
- Pharmaceutical and Cosmetics

Wilden® High-Pressure AODD Pumps

Wilden® High-Pressure Series Air-Operated Double-Diaphragm (AODD) Metal Pumps are equipped with a specialty air distribution system (ADS) that utilizes a double-acting power piston and Duplex technology to intensify fluid discharge pressure. Wilden high-pressure pumps reliably deliver the pressure performance of up to 20.7 bar (300 psig), making them perfect for a wide variety of high-pressure duties, including filtration, chemical sludge transfer and other viscous, solid-laden slurries.

- Simplex and Duplex technology available (depending on size)
- Industry's only 3" high-pressure pump
- Builds up to 300 psi discharge pressure
- Built-in internal pressure amplifier with limited external piping for more robust design

Applications

- Filtration
- Chemical Sludge Transfer
- Solid-Laden Slurries
- Viscous Product Transfer
- Filter Press
- Hygienic Applications

Wilden® Large Solids Handling AODD Pumps

Legendary Wilden® and Brahma™ Series Air-Operated Double-Diaphragm (AODD) Pumps transfer solid-laden slurries safely and effectively. The Brahma Series utilizes a unique top inlet, bottom discharge orientation and flap valves to allow passage of large-size solids and avoid damage from product entrapment and settling of solids in intermittent-duty applications.

Large internal clearance and flow-through design result in large-solids passage capacity and prevent the pump from clogging. It features bolted construction for superior containment and the ability to pass compressible solids up to 76 mm (3"), depending on pump size.

- Flap valve design for large-solids passage
- Top inlet, bottom discharge for easy transfer of sediment and solid-laden fluids
- Powered by Pro-Flo® SHIFT or Turbo-Flo™ air distribution systems (ADS)

Applications

- Waste Transfer
- General/Bulk Transfer
- Site Dewatering
- Drilling Mud Transfer
- Sump
- Sludge Transfer

Wilden® Equalizer® Surge Dampeners for AODD Pumps

Equalizer® Surge Dampeners are engineered to reduce fluid pressure and flow fluctuations that are inherent in air-operated double-diaphragm (AODD) pumps, providing a smoother discharge flow. This function is critical in applications that need to minimize vibration and control pipe hammer which protects the piping system as well as downstream instrumentation.

Applications

- Applications requiring a laminar flow or minimize "splashing"
 - CIP systems
 - Drum Filling
 - Package Filling
- Pumping from a mix tank to balance tank
- Applications that have flow meters or other precise in-line instrumentation
- Applications that have quick closing valves
- Discharge piping is not properly secured (PVC/Plastic Piping)

