

Air Operated Double Diaphragm (AODD) Pump

The Air Operated Double Diaphragm (AODD) pump is a versatile positive displacement pump used for transferring a wide range of fluids, including viscous, abrasive, and shear-sensitive materials. The alternating movement of the diaphragms creates suction and discharge strokes, enabling the pump to handle solids and slurries with ease.



Overview

Versatile AODD Pumping Solution

The Air Operated Double Diaphragm (AODD) pump is a highly versatile positive displacement pump designed for the transfer of viscous, abrasive, and shear-sensitive materials. Utilizing compressed air to drive two flexible diaphragms, the pump ensures a reliable suction and discharge process. Its sealless, robust construction is ideal for demanding industrial environments including chemical processing, wastewater treatment, and the food and beverage industry.

Technical Features

Key Design Benefits

- Sealless design prevents leaks and contamination
- Capable of handling solids and slurries
- Adjustable flow rate and pressure via air supply
- Dry run capability

Operating Principle

Air-driven, positive displacement using two flexible diaphragms connected by a central shaft

Construction Materials

Aluminum, Stainless Steel, Polypropylene

Applications

Suitable Industries

Chemical Processing • Wastewater Treatment • Food and Beverage