

WHY KORAX AODD PUMPS?

1. KORAX AODD PUMP BRIEF

KORAX air operated double diaphragm pumps are excellent pumps for all kinds of liquids. Paste-like, thick and thin fluidizing or solids containing. The air valve design guarantees non-stalling operation. The KORAX air operated double diaphragm pumps don't need air lubrication and have an anti-icing design. Even in moist air conditions the air motor is designed for long life.

A KORAX air operated double diaphragm pump has excellent corrosion resistance. KORAX AODD pumps offer a wide range of wetted materials, metallic and non-metallic. The range for wetted parts runs from non-metallic air operated double diaphragm pumps models (Polypropylene, Kynar/PVDF,) to metallic air operated double diaphragm pumps models (Aluminum, Cast Iron and Stainless Steel).

KORAX air operated double diaphragm pumps are designed to be easy to install and maintain. KORAX air operated double diaphragm pumps are excellent calamity and emergency pumps

In addition to the fluid handling properties an AODD pump can be approved by CE & ATEX

2. KORAX AODD PUMP ADVANTAGES

- High fluid delivery rates at low fluid application pressure; less than 120 psi (0.84 MPa, 8.4 bar). This large fluid delivery capability makes double diaphragm pumps ideal for transfer applications.
- Easy to install on a cover, pail, wall, or submerged
- Many diaphragm options for fluid versatility with extended pump life
- Air power offers convenience for many installations, no electrical hazard, an stall against pressure efficiency
- Handles a wide variety of fluid viscosities, abrasive, and corrosive qualities
- Seal-less, leak-proof design prevents fluid waste, mess, and hazard
- Can run dry without damage

3. EXCELLENT AIR VALVE DESIGN OF KORAX

The KORAX air operated diaphragm pump is provided with the simple and highly reliable air reversing valve that makes the full series diaphragm pumps realize the maximum reliability under various working conditions

The reversing valve is the three-way pilot that can ensure no sticky in a real sense. All parts can be replaced without the need of opening the liquid cavity. The aluminum parts have been subjected to anodic oxidation treatment and coated with epoxy coating to resist corrosion cause by dirty air.

- It can be used in case of bad air supply. The slide made of derlin in the reversing valve is solid and durable, and not easy to be damaged.
- Smooth air channel. The air channels of pump from 1/2" to 3" have no obstruction and it is ensured that the reversing is flexible.
- It is the reversing valve that can be totally subjected to external maintenance.
- Compared with other brand diaphragm pumps, the moving parts are very few
- The reversing valve does not need lubrication
- The polit reversing valve has very high mechanical life, the day-by day operation can be ensure
- One kind of revising valve can be suitable for pumps of various specifications, allows for easy on line maintenance of the pump; decreased repair time and cost



KORAX DIAPHRAGM PUMP APPLICATIONS



Wetted Section: **Plastic, Metal**

Diaphragms: PTFE Santoprene
Ball Checks: PTFE and Santoprene
Seats: Polypropylene, Santoprene, PVDF, SUS

Chemical, Petrochemical, Solvents, & Cleaners

General Chemical Transfer
Filter Presses
Water Treatment Facilities

Windshield Wash Mix & Transfer
Sanitary CIP
Circuit Board Etching



Wastewater Treatment

Sump Pumps
Shipyards
Water Treatment Facilities

Wetted Section: **Plastic, Metal**

Diaphragms: PTFE and Santoprene
Ball Checks: PTFE and Santoprene
Seats: Santoprene, PVDF, SST

Power Plants
Parts Washing (Automotive & General Industry)
Car & Truck Wash



Wetted Section: **Metal, Plastic**

Diaphragms: PTFE , Santoprene
Ball Checks: PTFE and Santoprene
Seats: Santoprene, PVDF, SUS

Plating & Finishing

Filter Presses
Precious Metal Processing

Foundries
Plating



Oils, Lubricants & Fuels

Oil and Grease Transfer
Maintenance Facilities
Oil Mix and Batching

Wetted Section: **Metal, Plastic**

Diaphragms: Buna, PTFE
Ball Checks: Buna, PTFE
Seats: Buna, PTFE

Anti-Freeze Mix & Transfer
Machine Tool Coolant and Evacuation



Wetted Section: **Metal, Plastic**

Diaphragms: Buna, PTFE
Ball Checks: Buna, PTFE
Seats: SUS

Ceramic Slip & Glaze

Ceramic Slurry
Drywall Manufacturing
Well Casting Grout Supply (Concrete)



Paint, Ink & Coatings

Paint Manufacturing
Paint & Solvent Transfer
Ink Transfer

Wetted Section: **Metal, Plastic**

Diaphragms: PTFE and Santoprene
Ball Checks: PTFE and Santoprene
Seats: Santoprene, PVDF, SUS

Pipe Coating
Adhesive Supply and Transfer
Supply and Transfer of Wood Preservatives



Wetted Section: **Plastic, Metal**

Diaphragms: Buna, PTFE
Ball Checks: Buna, PTFE
Seats: Buna, PTFE

Paper

Dewatering



Oil & Gas

Oil and Gas Drilling
Drilling Mud
Drilling Lubricants

Wetted Section: **Plastic, Metal**

Diaphragms: PTFE, Buna
Ball Checks: PTFE, Buna
Seats: PTFE, Buna

Oil Platforms
Ethylene Glycol Transfer and Circulation