

Aluminum Electric Diaphragm Pump



The Aluminum electric diaphragm pump is with the cycloidal reducer which can enable the volume of left and right pump chamber, it sucks and exhausts liquid in that principle. The pumps are widely applied in more and more industrialized countries over the world in recent years because of the breakthrough development in its diaphragm materials, it displaces some centrifugal pumps and screw pumps and is used in the fields of chemistry, ceramics, metallurgy and so on.

1. Product Introduction of Aluminum Electric Diaphragm Pump

Aluminum Electric diaphragm pump difference from an Aluminum air-operated diaphragm pump is the center section of this pump as it uses an electric drive instead of compressed air. The center section of this pump is filled with pressurized air and is mechanically moved left/right by the motor so it pushes and pulls the diaphragm from left to right. This back-and-forth motion, forces liquid out of one chamber and into the outlet manifold, while filling the opposite fluid chamber via the inlet manifold. Upon changeover, the fluid section that was filled on the previous shift empties into the outlet manifold and the fills the opposite chamber via the inlet manifold. The smooth changeover allows for reduced pulsation at the outlet.

2. Product Parameter (Specification) of Aluminum Electric Diaphragm Pump

Max. flow:480LPM
Max. working pressure:7Bar
Fluid Inlet Size:5in.bsp(f)
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Max Suction height(Dry suction pr wet suction) 20ft.(6m)
Mxt.Permiyyed Grain: 9.4mm
Every reciprocating flow:7.6L
Every reciprocating speed:63cpm
Outlet pressure 0.4Mpa
Motor power:5.5KW

Aluminum Electric Diaphragm Pump Features

The two symmetrical working chamber, each is equipped with a piece of elastic diaphragm, which is connected by a connecting rod that square groove is on the above. With the key, the motor shaft is connected to a piece of eccentric shaft connected with the bearing, which is working with the above square groove. Connecting rod can be working, when the motor rotates.

When connecting rod shaft to the left movement, the left chamber being in compression state, the liquid was squeezed out of the chamber, at the same time the right side of the chamber is on expansion, so the external liquid can be inhaled into the chamber in the body; After connecting rod movement to the right, the right chamber in compression state, the liquid is compressed to outside, at the same time the left chamber on the expansion can the external fluid into the chamber in the body, thus realize the motor drives the diaphragm work back and forth, the medium's transfer function.

Aluminum Electric Diaphragm Pump Applications

1. Various toxic, flammable and volatile liquids;
2. Various strongly acidic, strongly alkaline and strongly corrosive liquids;
3. Transmitting mediums with high temperature at 150;
4. Backing pressure feeder for various filter presses;
5. Employed for retrieving and circulation of heat water;
6. Loading and unloading of oil tankers, oil depots and oil goods.
7. Pumping of pickles, jams, mashed potato and chocolate etc.
8. Pumping of paint, gum and pigment adhesives;
9. Employed for various porcelain, glaze, cement, grout, mortar and slurry;
10. Employed for various rubber, latex, organic solvent, stuffing;
11. Employed for clearance of oil tanker barge to suck off inner sewage and residual oil.
12. Employed for hops, yeast thin grout, syrup and molasses;
13. Pumping of sewage and sediment in mine, adit, tunnel and sewer.
14. Suction and transmission of various special mediums.

3.Deliver,Shipping And Serving of Aluminum Electric Diaphragm Pump



7. FAQ

Q: Are you trading company or manufacturer ?

A: We are factory, and our factory has the independent research and development capacity

Q:How to customize pumps and mechanical seals ?

A:Customers could send us application data, we will select suitable pump and seal types, or client could send us drawings, We are well in OEM and ODM.

Q: Do you provide samples ? is it free or extra ?

A: Yes, we could offer free shipping

Q:How long is warranty?

A:1 year for main product warranty.

Q: How long is your delivery time?

A: Generally it is 3-8 days if the goods are in stock. or it is 15-20 days if the goods are not in stock, it is according to quantity.

Q:What is the shipping terms you can provide?

A:Depends on customer's requirements, we can provide different transportant in terms, such as EXW, FOB, CIF. EXPRESS DELIVERY

Q:How can I pay for my items? What is the payment you can provide?

A:We could accept T/T, Paypal, Western Union, Credit Assurance. Generally, we will arrange the shipment within 7 days after received payment.

Q:Who is in charge of after-sales?

A:dongkai has professional after sales service team, we will follow up the client's comments and suggest them good solutions.

Solve client's problems and keeping the clients profit.