GKE80 PVDF
ELECTRIC DIAPHRAGM PUMP
DETAILS

PRODUCT SPECIFICATIONS

Main Performance Specification	
Max.Outlet Pressure	0.7Mpa
Max.Flow Rate	22㎥/h
Suction Lift	3m
Motor Power	5.5KW in standard
Motor Speed	1450r/min
Inlet & Outlet	3"
Max. Permitted Grain	9.4mm
Max.Temperature	60℃

Product Overview

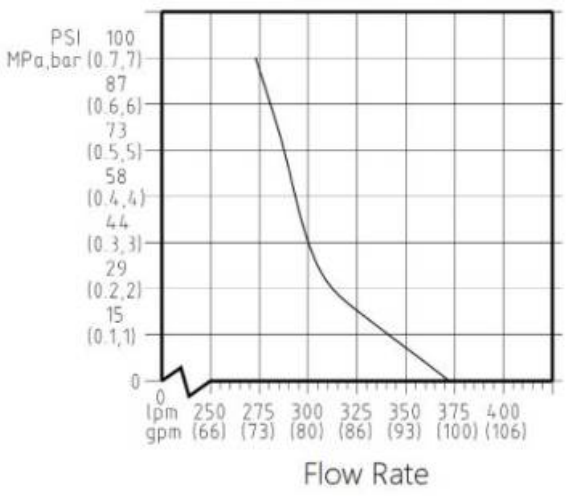
GinKai PVDF Series

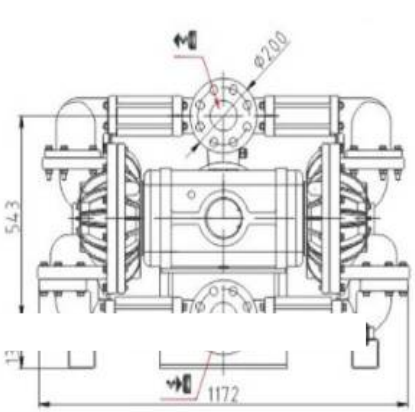
-Corrosion Champion: Engineered with PVDF (Kynar® equivalent) material for unmatched resistance to acids, solvents, and aggressive chemicals.

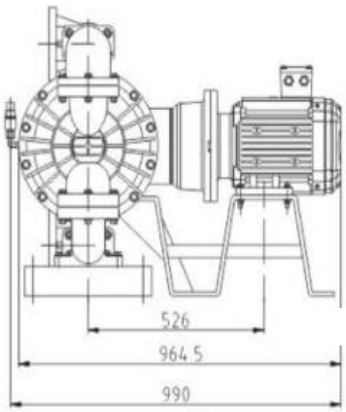
-Ultra-Pure Performance: Ideal for high-purity fluid transfer (e.g., semiconductor-grade chemicals, pharmaceuticals) with minimal contamination risk.

-Tough & Versatile: Excels in harsh environments like chemical processing, wastewater treatment, and semiconductor fab – handles abrasive slurries, viscous liquids, or reactive media effortlessly.

GKE80Technical Curve







Advantages of our Electric Diaphragm Pumps

The GKE series electric diaphragm pumps produced by our company also have the following performance characteristics

1. When designing and manufacturing the electric diaphragms of our company, we fully consider the particularity of the new energy production field. All parts are manufactured without harmful materials such as zinc, copper, and lead, including the reducer parts, which do not contain zinc and copper, thereby ensuring the safety and reliability of the materials.

2. In the design and manufacturing of our company, the reducer and the drive shaft are designed as an integrated design, which occupies a small area and is beautiful. The parts in the intermediate body are immersed in lubricating oil, which can ensure that the entire box can be used normally for two years without unpacking and maintenance. In addition, a leakage alarm device is installed between the air chamber and the reduction drive box to ensure the safe and stable operation of the equipment.

3. The reciprocating motion mechanism and the reduction mechanism of the diaphragm pump are installed in the same box; the output shaft of the reduction mechanism is also the input shaft of the reciprocating motion, which saves the coupling and is more compact in structure;

GKE Series electric diaphragm pumps:

Others brand electric diaphragm pumps:

4. The design diameter of the diaphragm-connected transmission shaft is 60mm, which will not cause the shaft to break. The surface is hardened

and wear-resistant.

GKE Series electric diaphragm pump's diaphragm connected to transmission shaft:

Others brand electric diaphragm pump's diaphragm connected to transmission shaft,prone to wear and breakage.

5. The shell cavity is large, which is convenient for storing more lubricating oil and conducive to heat dissipation;

6. The reciprocating motion mechanism uses linear bearings as support, which has low friction resistance and is easy to replace;

GKE Series electric diaphragm pump's bearing,the bearing diameter is 160mm and the width is 28mm.

Others brand electric diaphragm pump's bearing,small size bearings are prone to cracking.

Additional functions (optional)

1. Buffering function: The outlet can be installed with a pulse buffer and used with accessories such as a pressure gauge. Through the change of the air chamber pressure, the pipeline pulsation caused by the volume of the diaphragm pump and the water hammer phenomenon of the system can be smoothed. Effectively reduce the system pulse of the diaphragm pump.
2. Detection function: The leak detection device is installed on the leak detection cup by a leak detection cup, a magnetic float and a magnetic reed switch, which are connected by a stainless steel pipe. When the diaphragm ruptures, the liquid flows into the leak detection cup through the pipeline, the float floats, triggers the magnetic reed switch, and the power is turned on to realize the alarm or shutdown. It eliminates the possibility of equipment leakage and liquid flowing to the intermediate body after the diaphragm is damaged, causing damage to internal accessories.
3. Back-washing: The inlet and outlet are equipped with a three-way T-type ball valve to realize the back-washing function and solve the problem of medium precipitation and blockage. When the pump is in normal use, the material is straight through and the pump conveys the material normally; when the pump stops running, the material inlet is closed, the flushing port is opened, and the back-washing starts.
4. Flow regulation: multiple flow regulation. Other manufacturers can only achieve flow changes through variable frequency motors. We can also adjust the flow by installing valves at the outlet. Even if the outlet flow is adjusted to zero, the pump will not be over-pressured, ensuring safety.