RV40/50 Electric Diaphragm Pump

The electric diaphragm pump is one type of diaphragm pump which uses an electric drive instead of compressed air. This pump is driven by electricity and is mechanically moved left/right by the motor so it pushes and pulls the diaphragm from left to right, to achieve fluid transfer. Traditional electric diaphragm pump is composed of Electric Motor, Reducer, Coupling and Diaphragm Pump. The coupling connects the output shaft of reducer and input shaft of diaphragm pump

The reducer components and diaphragm pump moving system are separately installed in two boxes, which led to a relative huge construction.

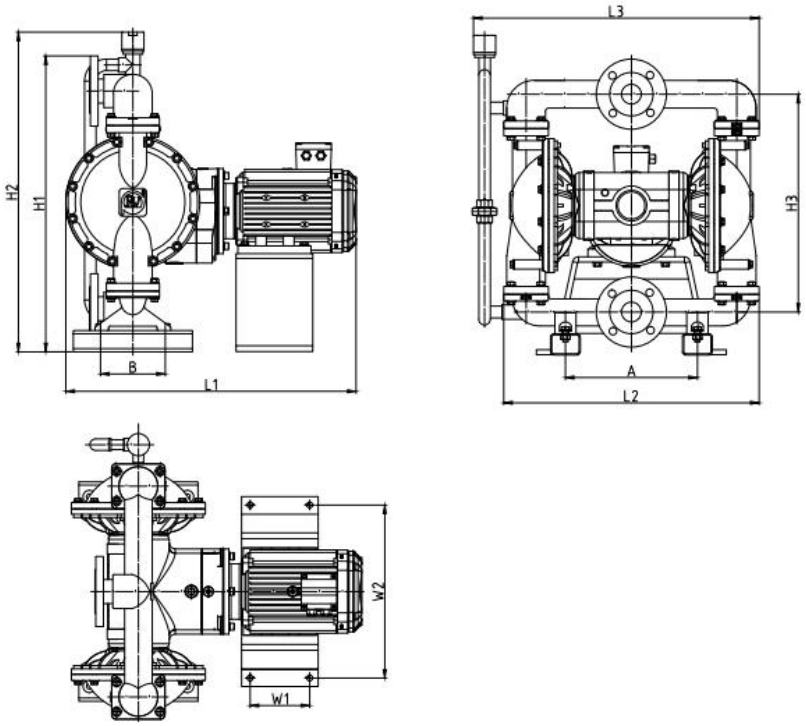
二、HOW IT WORKS

The motor drives the diaphragm on the plungers on the back-and-forth ends through the reducer to make reciprocating motions from back to forth, Inside the back-and -forth pump cavities, there are 4 upper and lower non -return ball valves making motions to change volumes of the working cavities and drive the 4 non-return ball valves to open and close alternately, thus sucking and discharging the liquid continually.

三、SPECIFICATIONS

Model	Flow Rate (m^3/h)	Max. Pressure(MPa)	Suction (m)	Power (KW)		Motor Speed (r/min)	Inlet & Outlet Size
				Standard	Senior		
RVE-40	6.2	0.6	3	2.2	3.0	1450	1 1/2″ Thread or Flange
RVE-50	10.5	0.6	3	3.0	4.0	1450	2″ Thread or Flange

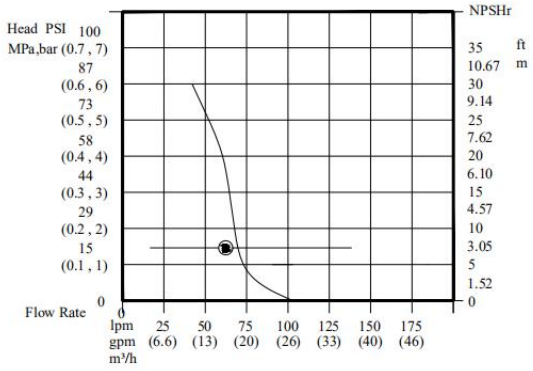
四、RVE50 DIMENSION DRAWING



MODEL	DN	L1	L2	L3	H1	H2	H3	W1	W2	A	B
RVD40	40	700	550	630	600	678	428	140	405	314	150
RVD50	50	730	600	671	700	760	511.5	140	407	310	158

五：FLOW RATE CURVE

XTE-40



XTE-50