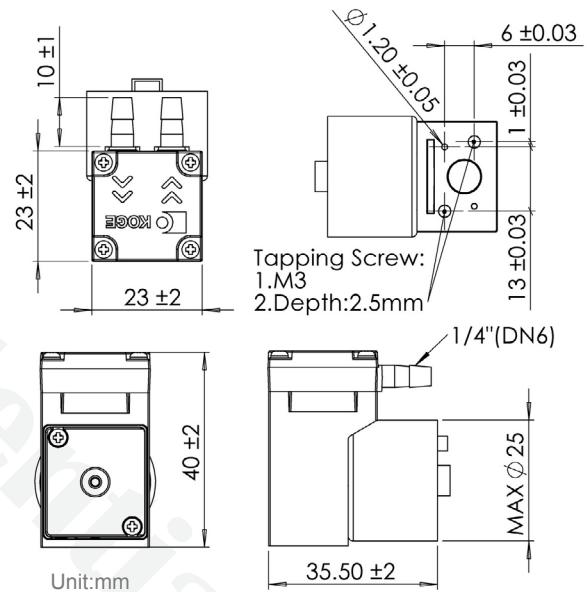
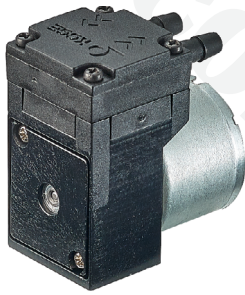


Diaphragm-L Pump KDPW25 Series KDPW25A-24L



Concept

A diaphragm water pump is mainly composed of motor, transmission components, flexible diaphragm, check valves, and an accommodation diaphragm, which is between the air nozzle and the chamber to absorb vibration when the fluid enters the pump body.

It utilizes a flexible diaphragm that reciprocates back and forth, creating a temporary chamber, which both draws in and expels fluid through the pump. When the volume of a chamber of pump is increased, the pressure decreases, and fluid is drawn into the chamber. When the chamber pressure later increases from decreased volume, the fluid previously drawn in is forced out. Finally, the diaphragm moving up once again draws fluid into the chamber, completing the cycle.

Features

- ▶ Compact size & light weight
- ▶ Oil-free operation
- ▶ No/low Maintenance
- ▶ Self-priming & dry-running
- ▶ High efficiency with long lifetime 10,000 hours

Application

- ▶ Medical application
- ▶ Cleaning industry
- ▶ Printing industry
- ▶ Filtration
- ▶ Laboratory
- ▶ Portable analytical instruments

Model Key

Category	KOGE	Pump	Type	Motor Diameter	Series A~Z	Voltage	Series	Output
Diaphragm	K	DP	W	25	A	24	L	KDPW25-24L

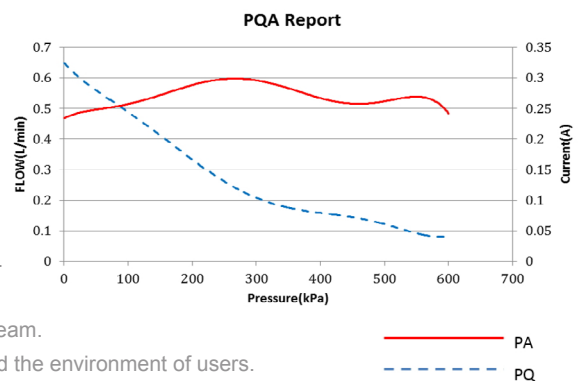
Specifications

Rated Voltage	24.0 V
Rated Current	0.3 A
Max. Noise from 100cm	< 55 dB(A)
Ideal Life Time	10,000 hrs (@250mL/min; 0kPa)
Max. Flow	500mL/min
Max. Pressure	300 kPa (@150mL/min)
Working Voltage Range	12~24V
Media	Water
Power Supply	DC power supply

Materials

Pump Head	PP
Check Valves	EPDM
Diaphragm	EPDM
Motor	Brushless motor

Curve Graph



Usage Note:

- ▶ Make sure the compatibility of the materials of the pump head, pump housing, diaphragm and valves with the medium before using a medium.
- ▶ The pumps must not be operated in an explosive atmosphere.
- ▶ All repairs to the pump must be carried out by KOGE customer service team.
- ▶ The actual performances would vary accordingly from test conditions and the environment of users.