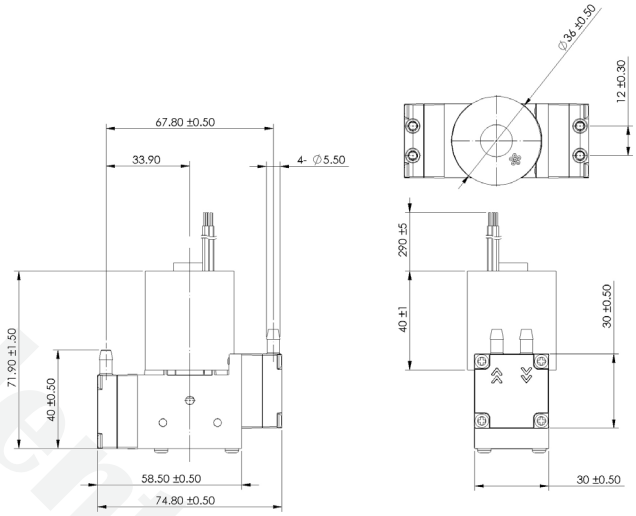
## Diaphragm-L Pump

# KDPV36 Series KDPV36A-12L




Unit:mm

## Concept

A diaphragm pump (also known as a Membrane pump) is mainly composed of motor, transmission components, flexible diaphragm, and check valves. 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
- High pneumatic performance
- High level of gas tightness
- Oil-free operation
- No/low Maintenance
- High efficiency with long lifetime 10,000 hours

## Application

- NPWT (Negative Pressure Wound Therapy)
- Industrial printer
- DVT equipment
- Patient monitoring
- Laboratory sealing machine
- Vacuum preservation

## Model Key

| Category | KOGE | Pump | Type | Motor Diameter | Series A~Z | Voltage | Series | Output |
|---|---|---|---|---|---|---|---|---|
| Diaphragm | K | DP | V | 36 | A | 12 | L | KDPV36A-12L |

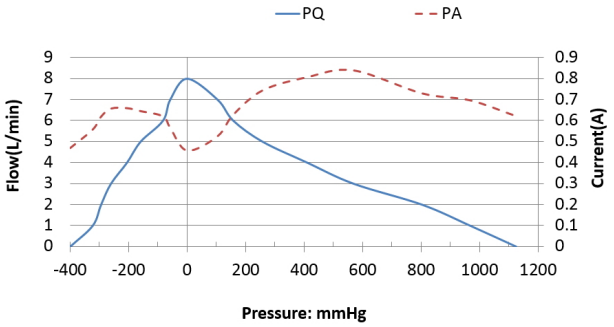
## Specifications

| | |
|---|---|
| Rated Voltage | 12.0 V |
| Max. Current | 1.0 A |
| Max. Noise from 100cm | < 60 dB(A) |
| Ideal Life Time | 10,000 hrs |
| Max. Flow | 7.0 L/min |
| Max. Pressure | 1125 mmHg |
| Max. Vacuum | -375 mmHg |
| Working Voltage Range | 10.8~13.2V |
| Media | Air |
| Power Consumption | 12W |
| Protection Functions | voltage protection, overcurrent protection, temperature protection |
| Power Supply | DC power supply |

## Materials

| | |
|---|---|
| Pump Head | LCP |
| Check Valves | EPDM |
| Diaphragm | EPDM |
| Motor | Brushless motor |

## Curve Graph




## Usage Note:

- The media shall not contain particles as they keep the pump from working well.
- All repairs to the pump must be carried out by KOGE customer service team.
- The pumps must not be operated in an explosive atmosphere.
- The actual performances would vary accordingly from test conditions and the environment of users