

# STALWART

## Diaphragm Vacuum Pump SVM-1000



## Introduction

Stalwart's Diaphragm Vacuum Pump series has the features of continuous oil free pumping, low noise level, higher efficiency, long lifetime. It is mainly used in medicinal products analysis, industry of the fine chemicals, biochemical pharmacy, food examination, The criminal investigation technology, etc. It is used with the precision chromatography instrument, the necessary of laboratory. This product is specially designed for laboratory, reliable and easy to use. These series of products have obtained the national patent.

## Features

- The product could work without any medium and does not produce pollution. The gas exchange room is placed with filtering material, to ensure that the air is clean.
- New material and new technology are adopted in production. It is convenient to move, and work smoothly, thus ensuring the ideal vacuum degree and higher air velocity.
- Using frictionless membrane body movement, does not produce heat, no friction consumption. Imported rubber diaphragm has corrosion resistance and long service life.
- Automatic cooling exhaust system is designed in the body, ensures continuous operation 24 hours a day.
- The pressure adjustable design can satisfy a certain range of vacuum and gas velocity.
- Bearing imported classic bearing, smooth operation, low noise, high efficiency.
- The parts in contact with the gas of anticorrosive pump is with TEFLON surface treatment, which have complete ability of resistance to chemical corrosion.
- Special motor is ODM provided by the export of professional motor manufacturer and has got the European CE certification. It has the reasonable rotation design, equipped with a power overheat protector, when the pump body temperature reached 130 degrees, it will automatically power off, to protect the motor from being damaged in the long running work.
- Small volume and light weight, easy to move, save space, convenient repair and maintenance.
- Corrosion resistance, able to tolerance almost all strong acid (including aqua regia), strong alkali, strong oxidizer, reductant, and variety of organic solvents.
- Withstand high and low temperatures, can be used in temperature of - 190°C to 260°C.
- Non-stick surface, most solid material and impurity particles cannot conglutinate on the surface.

## Specification

| Item                                      | SVM-1000               |
|---|------------------------|
| Speed of evacuation ( L /Min )            | 60                     |
| Ultimate pressure vacuum                  | ≥ 0.8 Mpa<br>20 mbar   |
| Voltage rating                            | 20V / 10V; 50Hz / 60Hz |
| Motor power (w)                           | 160W                   |
| Pressure                                  | ≥ 30Psi                |
| Inlet (mm)                                | Ø 6                    |
| Outlet (mm)                               | Ø 6                    |
| Temperature of working environment ( °C ) | 7 - 4 0                |
| Function                                  | Vacuum & Pressure      |

## Specification

|                           |                 |
|---------------------------|-----------------|
| Pump head                 | 2               |
| Temp of the body ( °C )   | < 55            |
| Dimensions ( LXBXH ) (mm) | 300 x 160 x 235 |
| Noiselevel ( D B )        | < 60            |
| Weight ( kg )             | 10              |
| Anticorrosive Diaphragm   | NBR             |
| Valves                    | NBR             |