

# 500ml/minute 1,000 hour Micro Gas Pump



In a dry running diaphragm pump, a flexible diaphragm in the pump head moves up and down through the action of an eccentric on the motor shaft. On the down stroke, air is drawn into the pump chamber and expelled on the upstroke. One-way flap valves mounted within the pump head control the direction of flow of air. Equally suitable for use as a vacuum pump or compressor, these micro gas pumps are characterized by low noise, high efficiency and gas tightness.

## Features

- High Efficiency
- Maintenance-free, oil-less
- Low power consumption
- Low-noise, low-vibration operation

## Applications

- Portable Gas Detectors
- Breath Analyzers & Anesthesia Devices
- Air Samplers
- Gas Analysis

## Specifications

Flow rate.....	500 ml/min.
Maximum pressure.....	400 mbar
Maximum vacuum.....	-400 mbar
Operating temperature.....	10 to 50 °C
Noise levels.....	<45 dB
Rated Power .....	3.5-5V 90mA
(MTBF).....	1,000 hours
Weight.....	17 grams
IP rating.....	IP00
Motor type.....	Permanent magnet with sleeve bearing
Overall size, mm (in).....	59 (2.32) x 36 (1.44) x 26 (1.02)

Life

## Wire Legend

Pin	Function
White Spot	3.5 - 5 VDC
Empty	Ground

## Flow Curves

