

UNO**Micro-Boxer Series MB Pump**

DC Power, Gases to 1.4 LPM, Vacuum to 360 mmHg, Pressure to 560 mbar

DESCRIPTION

The Series MB combines the latest technological advances in a gas pump that is unmatched in its class by any competition. The size-to-performance ratio of this pump opens the Design Engineer to new unexplored possibilities in designing even smaller and lighter equipment without compromise to technical requirements.

This micro-pump, like others in the range of Boxer pumps, can be tailored to your special requirements. Its components can be produced in a wide range of materials, providing compatibility within a wide range of applications. Our access to a variety of DC motors ensures that we are able to optimize the pump's performance for minimal power consumption.

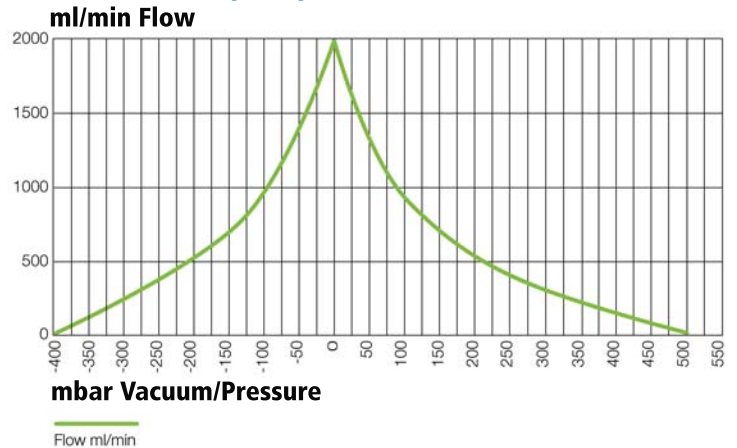
The Micro-Boxer pump is available with either the economically priced permanent magnet motor or with the long life core-less DC motors.

SPECIFICATIONS

Motor: Permanent magnet- 4.5, 6.5 VDC
Core-less- 6,9,12,18 VDC
Life Expectancy Permanent Magnet Motor- 4500 hours, subject to operating environment
Life Expectancy Core-less Motor- 12000 hours, subject to operating environment
Max Free Flow: 1.4LPM
Max Vacuum: 360 mmHG (14.2" Hg)
Max Pressure: 560 mbar (8.1 PSI)
Minimum Operating Temperature: -20°C
Weight; 35g
Housing Material: PPO (Polyphenylene Oxide)
Tubing Connection: 2.8 mm ID tubing
Diaphragm & Valve Material: Silicone

ORDERING INFORMATION

Model	Description
GAS PUMP	
MSM-4.5	Permanent Magnet Motor, 4.5 VDC
MXM-6	Core-less Precious Metal, 6 Vdc
MXM-12	Core-less Precious Metal, 12 Vdc
MSM-6	Permanent Magnet Motor, 6.5 VDC
MXM-9	Core-less Precious Metal, 9 Vdc
MXM-18	Core-less Precious Metal, 18 Vdc

**PERFORMANCE (GAS)****DIMENSIONS (MM)**