

# UNO

## Boxer Series 10K Diaphragm Pumps

Single or Dual Head Pump, DC Power, Gases to 4 LPM, Liquids to 0.8 LPM

### DESCRIPTION

The Boxer 10000 is a unique miniature high performance liquid and gas pump available with single or dual pump heads.

The dual head arrangement eliminates flow pulsation. The pumps can be supplied with either parallel head configuration for max flow or with series head configuration for max vacuum or pressure performance.

The use of high performance engineering plastics in the pump's construction allows it's use in high temperature applications.



### FEATURES

- LIQUID FLOW RATE TO 0.8 L/MIN
- SINGLE OR DUAL PUMP HEAD
- PARALLEL OR SERIES CONFIGURATION
- INTEGRATED PULSATION DAMPERS
- INTEGRATED VIBRATION DAMPERS
- HIGH TEMPERATURE APPLICATIONS
- MAINTENANCE FREE

### SPECIFICATIONS

Flow:

Liquid- 0.4l/min per head; 0.8 l/min from combined heads in parallel

Air- 2 l/min; 4 l/min from combined heads in parallel

Max Pressure: 1bar with dual heads configuration in series/0.5 bar in parallel

Motor: Permanent Magnet 12V or 24VDC

Motor option: Brushless DC with integrated electronics

Wetted path materials: PPS (polyphenylene sulphide), Neoprene, Silicone, Nitrile

Tube connections: Barbed fittings for 3.2mm ID tubing

Maximum current: 390mA

Max Ambient Operational Temperature: 50°C

Max Media Temperature: 100°C

Dispense Vol Per Head Per Full Motor Rotation: 500µl

Weight: Boxer 1000(1,3) 160g Boxer 1000(2,4) 175g

### ORDERING INFORMATION

Model	Description
10001	Single Head Pump, 12VDC,
10002	Double Head Pump, 12VDC,
10003	Single Head Pump, 24VDC,
10004	Double Head Pump, 24VDC,
Consult Factory for Brushless DC Motor and Motor Driver Consult Factory For Optional Encoder	

### DIMENSIONS (MM)

