

BOXER**2KD Series Diaphragm Pump**

Gas Flow Rate to 3.7 l/m

DESCRIPTION

The 2KD series double headed miniature diaphragm pumps are designed for gas sampling and gas detection applications. Two heads allows flexibility of parallel or series connection to extend the pressure/vacuum capability or to pump 2 distinct gases.

Iron core and coreless DC motor options are offered in this series.

Like all other pumps in the Boxer range, this series can be customized to specific requirements. Components are produced in a wide variety of materials.

SPECIFICATIONS**GENERAL**

Free Flow: Parallel, 3.7 l/m; Series, 1.8 l/m

Max Pressure: Parallel, 500 mbar (7.25 PSI), Series, 700 mbar (10.2 PSI)

Max Vacuum: Parallel, -300 mbar (8.86 in. Hg); Series, -550 mbar (16.2 in Hg)

Motor:

Iron Core- 4.5 & 6.5 VDC

Coreless- 4.0, 7.0, 9.0, 13.5, & 18 VDC

Life Expectancy Iron Core Motor- 4500 hours, subject to operating environment

Life Expectancy Coreless Motor- 12000 hours, subject to operating environment

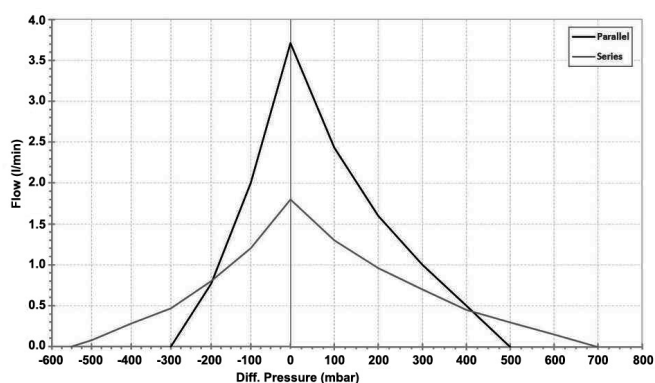
Housing Material: PPO (Polyphenylene Oxide)

Diaphragm Material: EPDM

Valve Material: Silicone

Tubing Connection: 3.5 mm ID tubing

Weight; 35g

**FLOW PERFORMANCE (AT NOMINAL PUMP VOLTAGE)****ORDERING INFORMATION**

Model	Motor Type	Nominal Pump Voltage (VDC)	Nominal Motor Voltage (VDC)
2201.001	Iron Core	4.5	4.5
2201.002	Iron Core	6.5	6.5
2200.001	Coreless	4	6
2200.002	Coreless	7	9
2200.003	Coreless	9	12
2200.004	Coreless	13.5	18
2200.005	Coreless	18	24

DIMENSIONS (MM)