

BOXER**5KS Series Diaphragm Pump**

Gas Flow Rate to 5.7 l/m

DESCRIPTION

Boxer 5KS pumps have been designed with portable environmental analyzers and medical devices in mind. An open flow of above 5.5 l/m is available with dimensions of just 5.7 x 4.4 x 3.0 cm and, importantly, this is achieved without excessive motor speeds.

If desired the 5KS can be run at reduced voltage for lower flows normally associated with pumps of this physical size. At these slow running speeds the 5KS offers exceptional low noise and extended motor life.

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:

Iron Core E: 5.7 l/m

Iron Core: 5.1 l/m

Coreless: 5.5 l/m

Max Pressure:

Iron Core E: 650 mbar (9.43 PSI)

Iron Core: 300 mbar (4.35 PSI)

Coreless: 400 mBar (5.8 PSI)

Max Vacuum:

Iron Core E: -500 mbar (14.8 in. Hg)

Iron Core: -300 mbar (8.86 in. Hg)

Coreless: -400 mBar (11.8 in. Hg)

Motor:

Iron Core E: 12 VDC

Iron Core: 12 & 24 VDC

Coreless: 6 VDC

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

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

Housing Material: PPS (Polyphenylene Sulphide)

Diaphragm Material: EPDM

Valve Material: Silicone

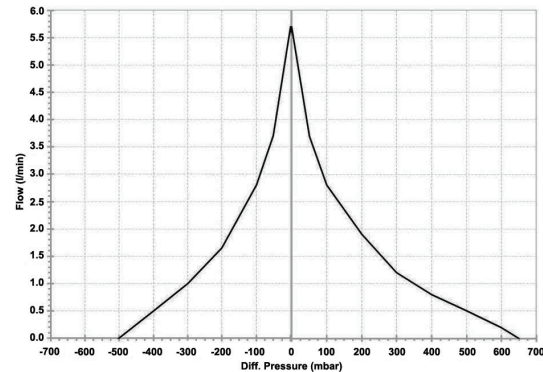
Tubing Connection: 4.6 mm

Weight; 80g/85g/100g (Iron Core E/Iron Core/Coreless)

Mounting- Mounting clip supplied

ORDERING INFORMATION

Model	Motor Type	Nominal Pump Voltage (VDC)	Nominal Motor Voltage (VDC)
5211.901	Iron Core-E	12	12
5311.901	Iron Core	12	12
5311.902	Iron Core	24	24
5101.906	Coreless	6	6

**FLOW PERFORMANCE (AT NOMINAL PUMP VOLTAGE)****DIMENSIONS (MM)**