

BOXER

Boxer 3KQ Series Quad Diaphragm Pump Gas

Gas Flow Rate to 28 l/m

DESCRIPTION

The 3KQ series is an extremely compact, robust, and versatile quad headed gas diaphragm pump. High quality connection rod and motor bearings combined with slow speed contribute to maximum operational life and low power consumption. This series additionally offers a unique detachable motor construction allowing contaminated heads to be economically exchanged.

Brushed and versatile brushless motor options are offered in this series.

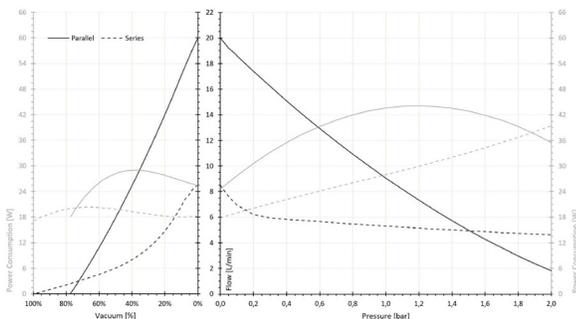
Like all other pumps in the Boxer range, this series can be customized to specific OEM requirements.

FEATURES

- BLDC versions at same costs as brushed DC
- approx. 1500 rpm with speed control 0 to 5V
- speed feedback signal (1 pulse per revolution) output
- Flow control is available in combination with PWM flow controller
- Detachable motor construction
- single, double, and quad heads available

FLOW CURVE

At max speed (Speed Input at 4.5 V DC / 3400 rpm)



SPECIFICATIONS

GENERAL

Free Flow	28 l/m Brushed, 20 l/m Brushless
Brushed Max Pressure	Intermittent 1.0 Bar, Continuous 0.3 Bar
Brushless Max Pressure	Intermittent 2.0 Bar, Continuous 0.4 Bar
Max Vacuum	-800 mbar Brushed, -750 mbar Brushless
Motor	12 & 24 Volt; DC & BLDC
Housing Material	PPS (Polyphenylene Sulphide)
Diaphragm Material	EPDM (other materials available)
Valve Material	EPDM/Silicone (other materials available)
Tubing Connection	Suitable for 7.8 mm ID tubing
Eccentric	2.0 mm (0.8 & 1.0 mm options)
Max. Ambient Temp	50°C
Max Media Temp	100°C
Weight	575 g

