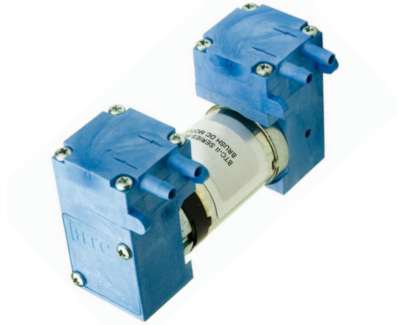


BTC-II Series

Mini Pumps (air/gas)

6 or 11 LPM Free Flow



BTC-II brush motor shown

BTC-II Dual Head Miniature Diaphragm Pumps and Compressors are a series of brush DC motor-driven pumps tailored to meet the specific performance requirements of your applications. These pumps are designed to handle both gases and liquids.

Features

- **Longevity:**

The BTC-II is configured with a dual ball bearing brush motor, along with our long life pump head technology. The pump will last the life of the motor, or up to 3,000 hours of high intermittent usage. For exceptional life performance with our BLDC motor, use the BTC-IIS.

- **Light Weight, Compact Size:**

The BTC-II Series pump design has a unique compact configuration allowing designers to minimize system weight and allotted space requirement for pumps and compressors.

- **Flexible Mounting Options:**

The BTC-II maximizes mounting flexibility by offering several ways to mount the pump, as well as four possible port orientations.

- **Contamination-Free:**

Parker takes the necessary steps in manufacturing to assure that our 100% oil-free pump and compressor designs maintain the purity of your system. Parker pumps and compressors are commonly used in FDA-approved systems.

- **Dynamically Balanced:**

The BTC-II Series pump design is uniquely balanced to minimize vibration and maximize life.

Typical Applications

- Emissions Analyzer

Performance Data

Physical Properties

| |
|--|
| Operating Environment: |
| 41 to 158°F* (5 to 70°C*) |
| Media: |
| Most Gases and Liquids |
| Humidity: |
| 0 – 95% RH |
| Wetted Material: |
| EPDM, AEPDM, Fluorocarbon, Teflon/EPDM Laminate |
| Valves: |
| EPDM, AEPDM, Perfluoro, Fluorocarbon |
| Pump Head: |
| Vectra (Liquid Crystal Polymer) |

Electrical

| |
|---|
| Motor Type (DC): |
| Brush |
| Nominal Motor Voltages: |
| 6, 12, 24 VDC |
| Other voltages available upon request |
| Current Range: |
| Varies from voltage, flow and pressure requirements. |

Pneumatic

| |
|--|
| Head Configuration: |
| Dual |
| Max Unrestricted Flow: |
| 6 LPM (Series) 11 LPM (Parallel) |
| Pressure Range*: |
| 0 - 28 psig (193 kPa) Parallel |
| Vacuum Range*: |
| 0 - 25 in Hg (635 mmHg) (Series) 0 - 20 in Hg (580mmHg) (Parallel) |
| * Extended pressure and vacuum capabilities available upon request. |

BTC-II Series

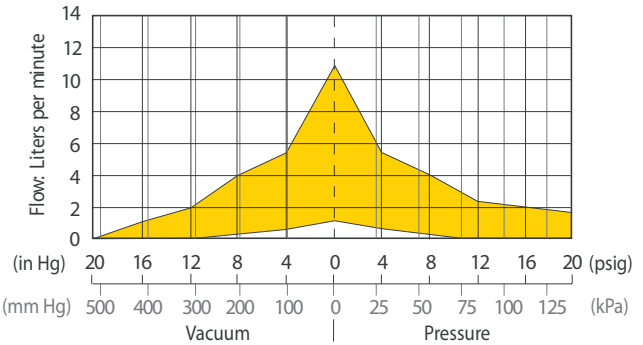
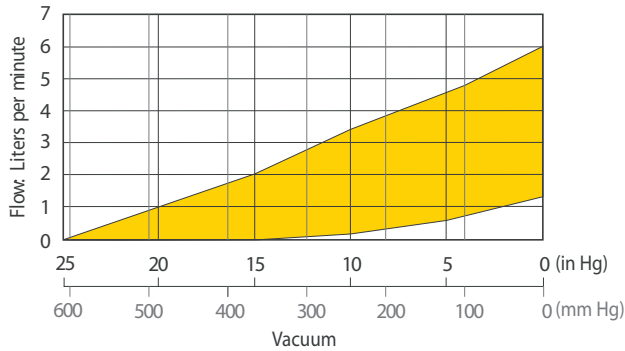
Mini Pumps (air/gas)

Dual Head Miniature Diaphragm Pump and Compressor

Flow

Series

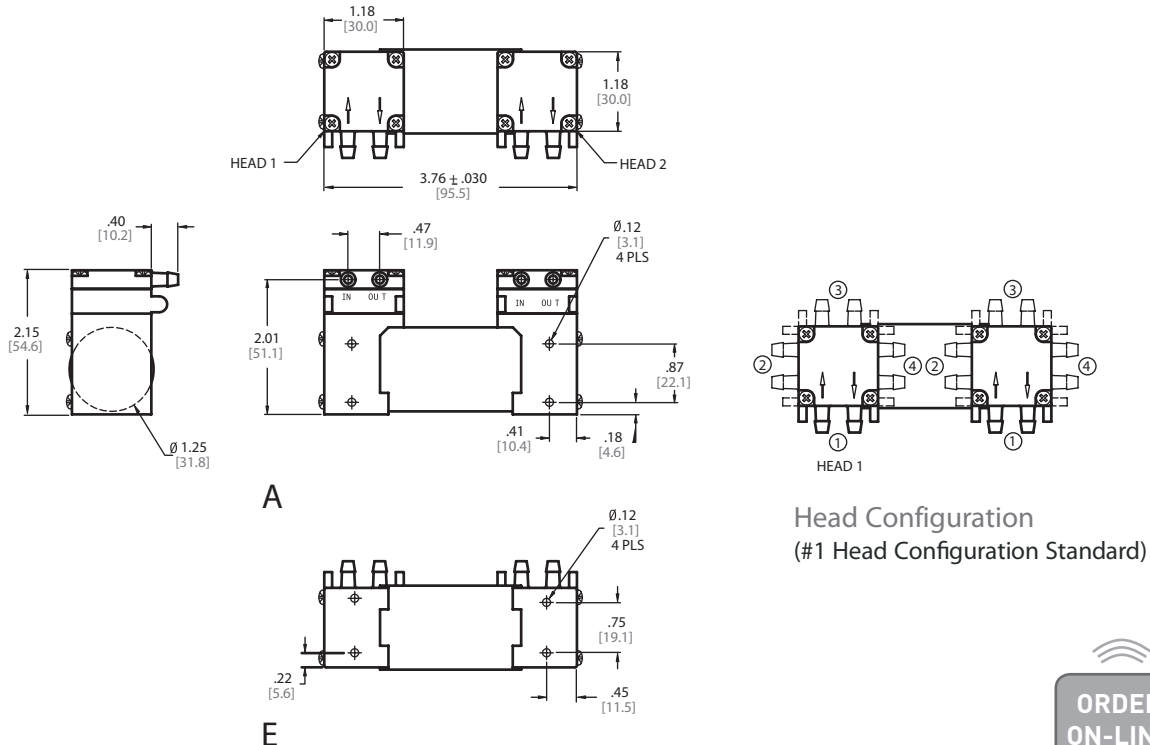
Parallel



The above performance graph illustrates the overall performance of the BTC-II handling air at 800 feet (244 m) above sea level at 75° F (24°). Performance will vary depending on barometric pressure and media temperature. Consult factory with you specific requirements.

Dimensions

(Pump Mass - 9.1 oz_m [258 gms])



Head Configuration (#1 Head Configuration Standard)



PPF MDP - 002/US Sept 2009

For more information call 1.800.525.2857 or email ppfinfo@parker.com
Visit www.parker.com/precisionfluidics

