PREVENT® FLOW SENSOR
The preVent flow sensor is small, durable and lightweight while providing simple and accurate testing results. The flow sensor’s proprietary design saves time between patients and provides maximum infection control while meeting or exceeding ATS/ERS standards and specifications.

FEATURES
- Eliminates warm-up or recalibration when changed between patients.
- Simple snap-in setup contains no moving parts or electronics for cost effective testing.
- Options to use with a filter, sterilize or can be discarded.

DIRECTCONNECT™ METABOLIC FLOW SENSOR
The DirectConnect metabolic flow sensor directly measures gas exchange without the need for correction factors, complicated connections, isolation valves or additional FIO₂ sample lines. The DirectConnect flow sensor is the first metabolic assessment interface to allow direct measurement of a patient’s metabolism without compensating for, diverting or turning off (or down) bias flow.

FEATURES
- Simple set-up allows for early and improved nutritional management of ventilator patients.
- Patient’s minute ventilation is measured on a breath by breath basis close to the patient (instead of the exhalation port of the ventilator) and before the bias flow of the ventilator to eliminate the sample from being diluted so measurement accuracy is maximized.

www.mgcdiagnostics.com
MGC Diagnostics’ supplies are the only recommended supplies for use with MGC Diagnostics’ equipment to achieve accurate, validated test results that meet ATS and ERS standards. MGC Diagnostics’ flow sensors can be used alone or with a variety of other MGC Diagnostics’ supplies including:

- preVent® and preVent II™ pulmonary function filters
- preVent™ face mask
- Patient mouthpieces
- Complete testing circuit (mouthpiece, filter and flow sensor)

### COMPARATIVE FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>MGC</th>
<th>COMPETITOR 1</th>
<th>COMPETITOR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy cleaning</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Easy to sterilize</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>No disassembly required</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Option to discard</td>
<td>✔</td>
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### TESTING

<table>
<thead>
<tr>
<th>Feature</th>
<th>MGC</th>
<th>COMPETITOR 1</th>
<th>COMPETITOR 2</th>
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</thead>
<tbody>
<tr>
<td>Used for PFT tests</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Used for Exercise tests</td>
<td>✔</td>
<td>✔</td>
<td></td>
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<tr>
<td>No recalibration if changed between tests</td>
<td>✔</td>
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### REPLACEMENT

<table>
<thead>
<tr>
<th>Feature</th>
<th>MGC</th>
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<tbody>
<tr>
<td>Cost</td>
<td>$</td>
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### SPECIFICATIONS

**PREVENT FLOW SENSOR**

- **DEVICE**
  - Bidirectional Pitot Tube flow sensor
- **SIZE**
  - Length: 3” (7.26 cm)
  - O.D.: 1.375” (3.5cm)
  - Weight: 0.9 oz (26 gm)
- **RANGE**
  - ±18 L/s
- **ACCURACY**
  - ± 3% or 50 mL, whichever is greater
- **RESISTANCE**
  - < 1.5 cm H₂O @ 14 L/s
- **DEAD SPACE**
  - 39 mL
- **APPLICATION RANGE**
  - TIDAL VOLUME RANGE
  - RESOLUTION

**DIRECTCONNECT METABOLIC FLOW SENSOR**

- **DEVICE**
  - Bidirectional Pitot Tube flow sensor
- **SIZE**
  - Length: 3.35” (8.5 cm)
  - O.D.: 0.7” (1.75cm)
  - Weight: 0.3 oz (8.5 gm)
- **RANGE**
  - 0-40 L/min
  - ± 3% or 10 mL, whichever is greater
- **ACCURACY**
  - 20 mL
  - 100-2000 mL
  - 100-2000 mL
  - 2.4 mL/s

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MGC Diagnostics and its affiliates are equal opportunity/affirmative action employers committed to cultural diversity in the workforce.
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