RITTER Bellows-type Gas Meter BG 16
Legend
1. Gas inlet
2. Handle
3. Gas outlet
4. Pulse generator port (option)
5. Removable cover

Performance Data

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Minimum flow ( Q_{min} )</td>
<td>160</td>
<td>ltr/h</td>
</tr>
<tr>
<td>Standard flow ( Q_{standard} )</td>
<td>15,000</td>
<td>ltr/h</td>
</tr>
<tr>
<td>Maximum flow ( Q_{max} )</td>
<td>25,000</td>
<td>ltr/h</td>
</tr>
<tr>
<td>Measurement accuracy (^{(2)})</td>
<td>2</td>
<td>%</td>
</tr>
<tr>
<td>Measuring cavity capacity</td>
<td>10</td>
<td>ltr/U</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-20 to +50</td>
<td>°C</td>
</tr>
<tr>
<td>Maximum gas inlet pressure</td>
<td>50</td>
<td>mbar</td>
</tr>
<tr>
<td>Minimum differential pressure (^{(1)})</td>
<td>1</td>
<td>mbar</td>
</tr>
<tr>
<td>Minimum dial division</td>
<td>0.4</td>
<td>ltr</td>
</tr>
<tr>
<td>Indication dial plate</td>
<td>100</td>
<td>ltr</td>
</tr>
<tr>
<td>Maximum indication value (^{(3)})</td>
<td>999,999,990</td>
<td>ltr</td>
</tr>
<tr>
<td>Weight</td>
<td>11</td>
<td>kg</td>
</tr>
</tbody>
</table>

\(^{(1)}\) Differential pressure (= pressure loss) gas inlet gas outlet
\(^{(2)}\) Across the measuring range in relation to the calibration value at nominal flow
\(^{(3)}\) Standard Totalizing Roller Counter

No reverse flow direction possible!
Models (materials)

- Casing: zinc-coated steel sheet (soldered) with outside also lacquered
- Measuring unit: Tinplate
- Bellows (within measuring unit): textile-reinforced nitrile rubber (Perbunan®)
- Rod linkage: Polyamide
- Slide gate: Bakelite

Standard Equipment

- 8 or 9-digit Totalizing Roller Counter
- Large, One-needle Dial
- Magnetic Coupling (between the measuring drum and counting mechanism)
- Screw Connection 2" (G 2 A, DIN ISO 228)
- Twin-Chamber Measuring Unit

Built-in Options

- LCD Display, resettable, 8-digit (replaces Totalizing Roller Counter)
- Pulse Generator, standard or Ex-proof version (for connecting Electronic Display Unit/Computer)

Accessories

- Thermometer (BG)
- Manometer for pressure pmax = 60 mbar
- Electronic Display Unit »EDU 32 FP«, displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)
- Nozzles for flexible tube connection

The most recent version of this data-sheet can be found at...
https://www.ritter.de/en/bg-16/

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