RITTER Bellows-type Gas Meter BG 40

Dimensions:
- Width: 564 mm
- Height: 470 mm
- Depth: 403 mm
- Throat: 175 mm
- Meter Size: 450 mm
- Gauge: 670 mm
- Side: 510 mm
### Legend

1. Gas inlet
2. Gas outlet
3. Removable cover
4. Pulse generator port (option)
5. Reset button

### Performance Data

<table>
<thead>
<tr>
<th>Performance Data</th>
<th>Minimum flow $Q_{min}$</th>
<th>Standard flow $Q_{standard}$</th>
<th>Maximum flow $Q_{max}$</th>
<th>Measurement accuracy $^{(2)}$</th>
<th>Measuring cavity capacity</th>
<th>Temperature range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum flow $Q_{min}$</td>
<td>400 ltr/h</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-20 to +50 °C</td>
</tr>
<tr>
<td>Standard flow $Q_{standard}$</td>
<td></td>
<td>39,000 ltr/h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum flow $Q_{max}$</td>
<td></td>
<td>65,000 ltr/h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement accuracy $^{(2)}$</td>
<td></td>
<td></td>
<td></td>
<td>2 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measuring cavity capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30 ltr/U</td>
<td></td>
</tr>
<tr>
<td>Temperature range</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

| Maximum gas inlet pressure        | 500 mbar               |                              |                        |                             |                           |                  |
| Minimum differential pressure $^{(1)}$ |                        |                              |                        |                             |                           |                  |
| Minimum dial division             |                        |                              |                        |                             |                           |                  |
| Indication dial plate             |                        |                              |                        |                             |                           |                  |
| Maximum indication value $^{(3)}$  |                        |                              |                        |                             | 999,999,990 ltr          |                  |
| Weight                            |                        |                              |                        |                             |                           | 33 kg            |

- $^{(1)}$ 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
- Flange connection, diameter 65 mm, according to DIN 2642-PN10
- Large, One-needle Dial
- Magnetic Coupling (between the measuring drum and counting mechanism)
- 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)
- Twin-Chamber Measuring Unit

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...

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