DRUM-TYPE GAS METERS TG 3 STAINLESS STEEL 6 BAR • DATA SHEET

Legend
1. Feed roll
4. Support unit for:
   Thermometer G
1(2)
11. Liquid level indicator
2. Level
5. Puls generator
3. Eye screw
6. Cover
7. Filling nozzle
8. Gas inlet
10. Manometer connection G 3/8i
9. Gas outlet
12. Drainage faucet
13. Levelling foot

Performance Data

Minimum flow \( Q_{\text{min}} \) 6 ltr/h
Standard flow \( Q_{\text{standard}} \) 300 ltr/h
Maximum flow \( Q_{\text{max}} \) 360 ltr/h
Measurement accuracy at standard flow 0.2 %
Measurement accuracy across measuring range 0.5 %
Measuring drum volume 3 ltr/U
Packing liquid quantity, approx 8 ltr

Maximum gas inlet pressure 6 bar
Minimum differential pressure \(^{(1)}\) 0.2 mbar
Minimum dial division 0.02 ltr
Maximum indication value \(^{(2)}\) 99,999,999 ltr
Connection gas in/outlet hose barb
Inside-Ø hose barb
Outside-Ø 15 mm

\(^{(1)}\) Differential pressure (= pressure loss) gas inlet gas outlet
\(^{(2)}\) Standard Totalizing Roller Counter

Models (materials)

<table>
<thead>
<tr>
<th>Model</th>
<th>Casing</th>
<th>Measuring drum</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Weight (without packing liquid)</th>
<th>Max. constant use temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stainless Steel</td>
<td>PVC-grey</td>
<td>460 mm</td>
<td>462 mm</td>
<td>450 mm</td>
<td>35.2 kg</td>
<td>40 °C</td>
</tr>
<tr>
<td>2</td>
<td>Stainless Steel</td>
<td>PE-el</td>
<td>460 mm</td>
<td>462 mm</td>
<td>450 mm</td>
<td>35.0 kg</td>
<td>60 °C</td>
</tr>
<tr>
<td>3</td>
<td>Stainless Steel</td>
<td>PP-grey</td>
<td>460 mm</td>
<td>462 mm</td>
<td>450 mm</td>
<td>35.0 kg</td>
<td>60 °C</td>
</tr>
<tr>
<td>4</td>
<td>Stainless Steel</td>
<td>PVDF</td>
<td>460 mm</td>
<td>462 mm</td>
<td>450 mm</td>
<td>35.6 kg</td>
<td>60 °C</td>
</tr>
</tbody>
</table>
Caution

Before and after measurements with oxygen purge the meter with an inert gas to avoid the danger of explosion! For chemical resistance properties please contact your RITTER distribution partner!

Standard Equipment

- 8-digit Totalizing Roller Counter
- Bubble level for levelling
- Level and Levelling Feet
- Magnetic Coupling (between the measuring drum and counting mechanism), for an absolutely liquid-tight casing
- Multi-Chamber Measuring Drum
- Supports for Thermometer and Manometer
- Viton sealing

Built-in Options

- Pulse Generator, standard or Ex-proof version (for connecting Electronic Display Unit/Computer)

Accessories

- Data Acquisition Software «RIGAMO», (for Windows)
- Thermometer Gas (TG), measuring range 0 °C to +60 °C
- Thermometer Packing Liquid (TG), measuring range 0 °C to +60 °C
- Manometer for pressure pmax ≤ 10 bar, measuring range 0-6 / 0-10 bar; available for higher pressure ranges
- Electronic Display Unit «EDU 32 FP», displays volume and calculates flow rate via RS232 and analog output in realtime (pulse generator required)

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The most recent version of this data sheet can be found at https://www.riter.de/en/data-sheets/fg-3-stainless-steel-6-bar/

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