Performance Data

|                           |                           | Minimum flow \( Q_{\text{min}} \) | 100 ltr/h | Standard flow \( Q_{\text{standard}} \) | 10,000 ltr/h | Maximum flow \( Q_{\text{max}} \) | 18,000 ltr/h | Measurement accuracy at standard flow | 0.2 % | Measurement accuracy across measuring range | 0.5 % | Measuring drum volume | 50 ltr/U | Packing liquid quantity, approx | 87 ltr |

|                           |                           | Maximum gas inlet pressure (1) | 6 bar | Minimum differential pressure (2) | 0.1 mbar | Minimum dial division | 0.5 ltr | Maximum indication value (3) | 999,999,990 ltr | Connection gas in/outlet hose barb | Inside-Ø hose barb | 31 mm | Outside-Ø hose barb | 40 mm |

Performance Data continued:

- **Maximum gas inlet pressure**: 6 bar
- **Minimum differential pressure**: 0.1 mbar
- **Minimum dial division**: 0.5 ltr
- **Maximum indication value**: 999,999,990 ltr
- **Connection gas in/outlet hose barb**: Inside-Ø 31 mm, Outside-Ø 40 mm

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>655 mm</td>
<td>800 mm</td>
<td>870 mm</td>
<td>177.9 kg</td>
<td>40 °C</td>
</tr>
<tr>
<td>2</td>
<td>Stainless Steel</td>
<td>PE-el</td>
<td>655 mm</td>
<td>800 mm</td>
<td>870 mm</td>
<td>176.9 kg</td>
<td>60 °C</td>
</tr>
</tbody>
</table>

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(1) Standard version: 500 mbar – special version also available for 1 bar
(2) Differential pressure (= pressure loss) gas inlet gas outlet
(3) Standard Totalizing Roller Counter

Legend

1. Level
4. Support for thermometer G 1/2 i
7. Gas outlet
10. Packing liquid level indicator
13. Leveling foot
2. Transport roll
5. Removable cover
8. Filling nozzle
11. Gas inlet
3. Eye screw
6. Pulse generator port (option)
9. Support for manometer G 3/8 i
12. Drainage faucet
<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>3</td>
<td>Stainless Steel</td>
<td>PP-grey</td>
<td>655 mm</td>
<td>800 mm</td>
<td>870 mm</td>
<td>176.9 kg</td>
<td>80 °C</td>
</tr>
<tr>
<td>4</td>
<td>Stainless Steel</td>
<td>PVDF</td>
<td>655 mm</td>
<td>800 mm</td>
<td>870 mm</td>
<td>181.1 kg</td>
<td>80 °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**

▷ 9-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
▷ LCD Display, resettable, 8-digit (replaces Totalizing Roller Counter)
▷ High Precision Packing Liquid Level Indicator »HPLI«, for packing liquid level

**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 ≤ 1 bar, measuring range 0-600 mbar / 0-1 bar
▷ Electronic Display Unit »EDU 32 FP«, displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)

The most recent version of this data-sheet can be found at https://www.ritter.de/en/data-sheets/tg-50-stainless-steel/

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For questions please contact mailbox@ritter.de or your any local distributor at https://www.ritter.de/en/worldwide/