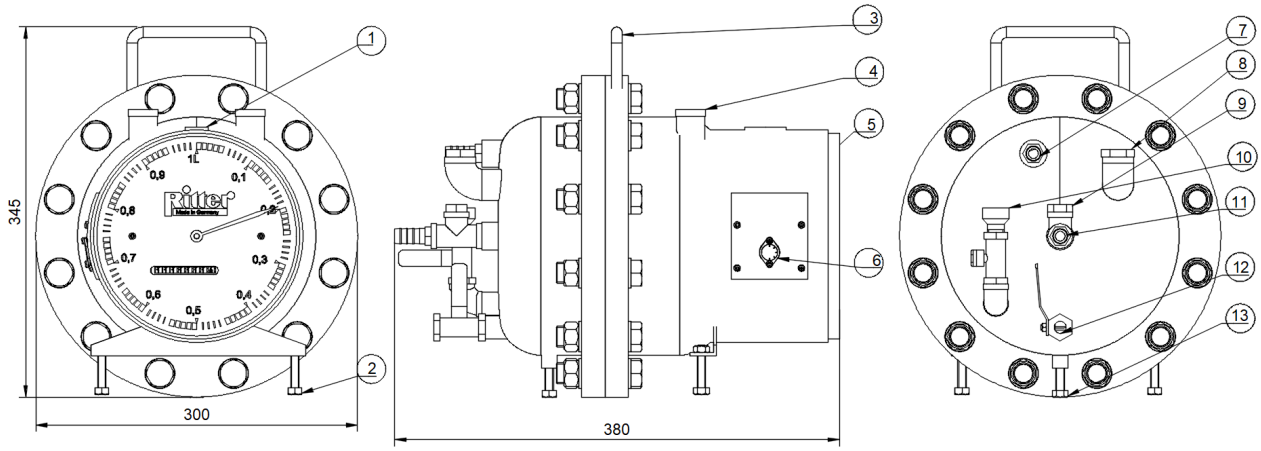
TG 1 Stainless steel 16 bar

RITTER DATA SHEET



Legend

1. Level
2. Levelling foot
3. Handle
4. Support unit for:
   - Thermometer gas (electric)
   - Thermometer packing liquid (electric)
5. Removable cover
6. Pulse generator port (option)
7. Gas outlet
8. Filling nozzle
9. Manometer connection
10. Level indicator
11. Gas inlet
12. Drainage faucet
13. Levelling foot

Performance Data

Minimum flow Q_{min}	2	ltr/h
Standard flow $Q_{standard}$	100	ltr/h
Maximum flow Q_{max}	120	ltr/h
Measurement accuracy at standard flow	0.2	%
Measurement accuracy across measuring range	0.5	%
Measuring drum volume	1	ltr/U
Packing liquid quantity, approx	4	ltr

Maximum gas inlet pressure	**16**	**bar**
Minimum differential pressure [(1)]	0.2	mbar
Minimum dial division	0.01	ltr
Maximum indication value [(2)]	99,999,999	ltr
Connection gas in/outlet	hose barb	
Inside-Ø hose barb	10.6	mm
Outside-Ø hose barb	12	mm

[(1)] Differential pressure (= pressure loss) gas inlet gas outlet

[(2)] Standard Totalizing Roller Counter

Models (materials)

Model	Casing	Measuring drum	Width	Height	Depth	Weight (without packing liquid)	Max. consta use temperat
1	Stainless Steel	PVC-grey	270 mm	320 mm	400 mm	14.3 kg	40 °C
2	Stainless Steel	PE-el	270 mm	320 mm	400 mm	14.1 kg	60 °C
3	Stainless Steel	PP-grey	270 mm	320 mm	400 mm	14.1 kg	80 °C
4	Stainless Steel	PVDF	270 mm	320 mm	400 mm	14.7 kg	80 °C

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

- Multi-Chamber Measuring Drum
- Magnetic coupling between measuring drum and counter (for an absolutely liquid-tight casing)
- 8 or 9-digit Totalizing Roller Counter
- Large One-needle Dial
- Supports for Thermometer and Manometer
- Viton sealing
- Level and Levelling Feet
- Bubble level for levelling

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

- **Software »RIGAMO«**
- Resistance Temperature Sensor (Gas), 100 mm
- Resistance Temperature Sensor (Packing Liquid), 200 mm
- Pressure Transmitter
- **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.ritter.de/en/tg-1-stainless-steel-16-bar/

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