



Legend ▾

+

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

Performance Data

Minimum flow Q_{min}	6	ltr/h	Maximum gas inlet pressure	6	bar
Standard flow $Q_{standard}$	300	ltr/h	Minimum differential pressure ⁽¹⁾	0.2	mbar
Maximum flow Q_{max}	360	ltr/h	Minimum dial division	0.02	ltr
Measurement accuracy at standard flow	0.2	%	Maximum indication value ⁽²⁾	99,999,999	ltr
Measurement accuracy across measuring range	0.5	%	Connection gas in/outlet	hose barb	
Measuring drum volume	3	ltr/U	Inside-Ø hose barb		
Packing liquid quantity, approx	8	ltr	Outside-Ø	15	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. constant use temperature
1	Stainless Steel	PVC-grey	460 mm	462 mm	450 mm	35.2 kg	40 °C
2	Stainless Steel	PE-el	460 mm	462 mm	450 mm	35.0 kg	60 °C
3	Stainless Steel	PP-grey	460 mm	462 mm	450 mm	35.0 kg	60 °C
4	Stainless Steel	PVDF	460 mm	462 mm	450 mm	35.6 kg	60 °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

- › 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 $p_{max} \leq 10$ 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)

V 1.0 / Rev. 2020-02-26 / Subject to alterations.

The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheets/tg-3-stainless-steel-10-bar/>

Dr.-Ing. RITTER Apparatebau GmbH & Co. KG · Coloniastrasse 19-23 · D-44892 Bochum · Germany For questions please contact mailbox@ritter.de or your any local distributor at <https://www.ritter.de/en/worldwide/>