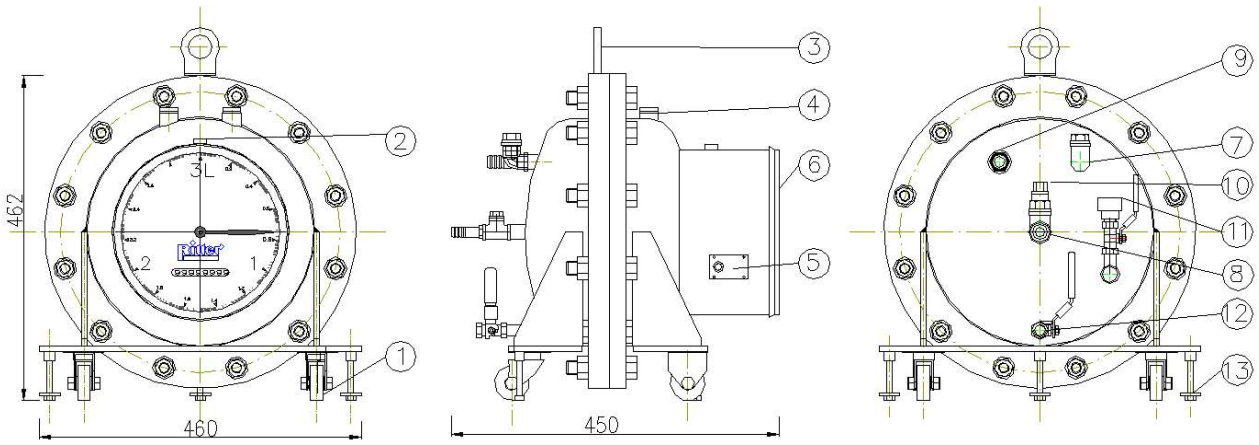
DRUM-TYPE GAS METERS TG 3 STAINLESS STEEL 6 BAR • DATA SHEET



Legend

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

Performance Data

Minimum flow Q_{min}	6	ltr/h
Standard flow $Q_{standard}$	300	ltr/h
Maximum flow Q_{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)

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 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)

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

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/