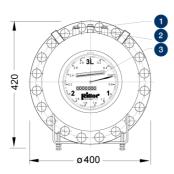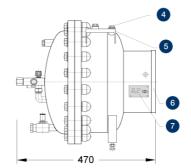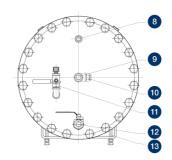# DRUM-TYPE GAS METERS DATA-SHEET
TG 3 STAINLESS STEEL 6 BAR

Legend

1. Filling nozzle
4. Support unit for:
    thermometer
        (gas)
    thermometer
        (packing fl.)
    manometer

2. Level
5. Handle
7. Puls generator port (option)
9. Gas inlet
11. Standard level indicator
13. Levelling foot

3. Precision filling level indicator
6. Removable cover
8. Gas outlet
10. Manometer connection
12. Drainage faucet

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		
			Inside-Ø hose barb			
Measuring drum volume	3	ltr/U	Outside-Ø		15	mm
Packing liquid quantity, approx	11	ltr				

[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	400 mm	420 mm	470 mm	27.7 kg	40 °C
2	Stainless Steel	PE-el	400 mm	420 mm	470 mm	27.5 kg	60 °C
3	Stainless Steel	PP-grey	400 mm	420 mm	470 mm	27.5 kg	60 °C

Model	Casing	Measuring drum	Width	Height	Depth	Weight (without packing liquid)	Max. constant use temperature
4	Stainless Steel	PVDF	400 mm	420 mm	470 mm	28.1 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
> 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 ≤ 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. 2019-01 / Subject to alterations.