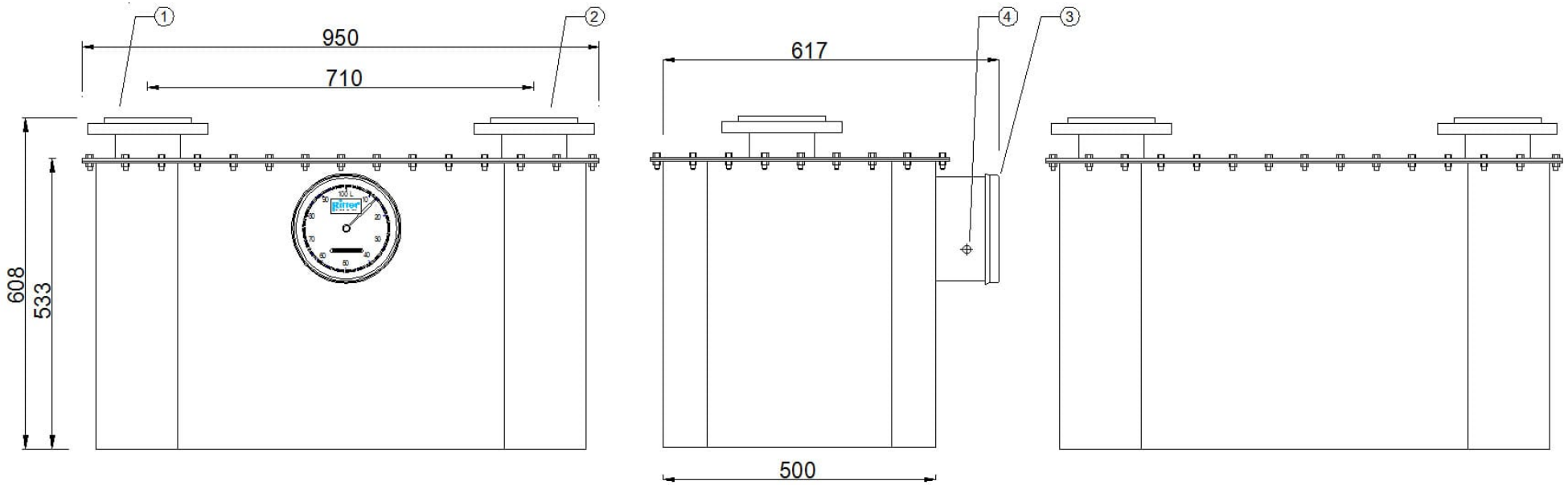
RITTER Bellows-type Gas Meter BG 100



Legend

1. Gas inlet
2. Gas outlet
3. Removable cover
4. Pulse generator port (option)

Performance Data

Minimum flow Q_{min}	1,000	ltr/h
Standard flow $Q_{standard}$	95,000	ltr/h
Maximum flow Q_{max}	160,000	ltr/h
Measurement accuracy [(2)]	2	%
Measuring cavity capacity	120	ltr/U
Temperature range	-20 to +50	°C

Maximum gas inlet pressure	**500**	**mbar**
Minimum differential pressure [(1)]	1	mbar
Minimum dial division	0.4	ltr
Indication dial plate	100	ltr
Maximum indication value [(3)]	999,999,990	ltr
Weight	130	kg

- [(1)] Differential pressure (= pressure loss) gas inlet gas outlet
- [(2)] Across the measuring range in relation to the calibration value at nominal flow
- [(3)] Standard Totalizing Roller Counter

No reverse flow direction possible!

Models (materials)

- Casing: zinc-coated steel sheet (soldered) with outside also lacquered
- Measuring unit: Tinplate
- Bellows (within measuring unit): textile-reinforced nitrile rubber (Perbunan®)
- Rod linkage: Polyamide
- Slide gate: Bakelite

Standard Equipment

- 8 or 9-digit Totalizing Roller Counter
- Flange connection, diameter 100 mm, according to DIN 2642-PN10
- Large, One-needle Dial
- Magnetic Coupling (between the measuring drum and counting mechanism)
- Twin-Chamber Measuring Unit

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

- **Thermometer (BG)**
- **Manometer for pressure pmax = 60 mbar**
- **Electronic Display Unit »EDU 32 FP«** , displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)
- Nozzles for flexible tube connection

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The most recent version of this data-sheet can be found at ...
https://www.ritter.de/en/bg-100/

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