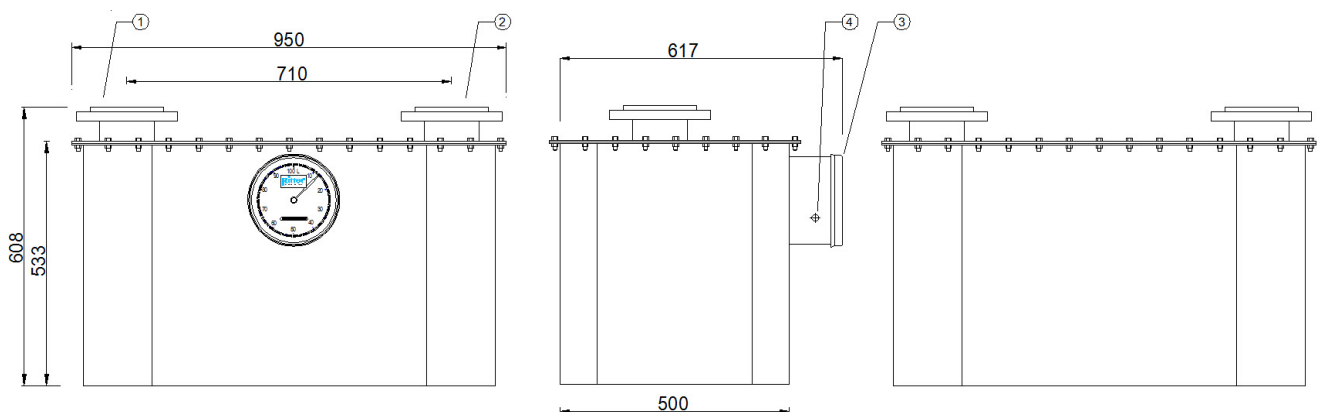


BELLOWS-TYPE GAS METERS

BG 100 • DATA-SHEET



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	Maximum gas inlet pressure	500	mbar
Standard flow Q_{standard}	95,000	ltr/h	Minimum differential pressure ⁽¹⁾	1	mbar
Maximum flow Q_{\max}	160,000	ltr/h	Minimum dial division	0.4	ltr
Measurement accuracy ⁽²⁾	2	%	Indication dial plate	100	ltr
Measuring cavity capacity	120	ltr/U	Maximum indication value ⁽³⁾	999,999,990	ltr
Temperature range	5 to 40	°C	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-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

- > Pulse Generator , standard or Ex-proof version (for connecting Electronic Display Unit/Computer)
- > LCD Display , resettable, 8-digit (replaces Totalizing Roller Counter)

Accessories

- > Thermometer (BG)
- > Manometer for pressure $p_{max} = 60$ 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

V 3.0 / Rev. 2018-11-06 / Subject to alterations.

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

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