



BELLOWS-TYPE GAS METERS

02.03

V 2.0

Rev. 09/04

Overview

Equipment: All RITTER bellows-type gas meters include the following as standard equipment: twin-chamber measuring unit; 8-digit totalizing counter; large, one-needle dial; and magnetic coupling (between the measuring unit and counting mechanism); gas pipe connection: inch thread.

Performance Data:

- Measuring accuracy: +/- 2% at standard flow and 20° Celsius (exact value is stated in individual Calibration Certificate)
 - Maximum gas inlet pressure (overpressure):
 - BG4, BG6: 300 mbar
 - BG10, BG16:50 mbar
 - BG 40, BG100:500 mbar
 - Temperature range: -20 to +50° Celsius
- Flow rate (measuring range) and meter indication:

Model	Flow Rate			Minimum Dial Division [ltr]	Maximum Value [ltr]
	Minimum [ltr/h]	Maximum [ltr/h]	Standard [ltr/h]		
BG 4	40	6,000	3,000	0.1	99,999,999
BG 6	60	10,000	5,000	0.2	999,999,990
BG 10	100	16,000	10,000	0.5	999,999,990
BG 16	160	25,000	15,000	0.4	999,999,990
BG 40	400	65,000	39,000	0.4	999,999,990
BG 100	1,000	160,000	95,000	0.4	999,999,990

- Materials:**
- Casing:
 - BG4 – BG16: zinc-coated steel sheet (soldered) with outside also lacquered
 - BG40 – BG100: powder-coated steel sheet with outside also lacquered
 - Measuring unit: tinplate
 - Bellows (within measuring unit): textile-reinforced Perbunan
 - Rod linkage: BG 4: polyamide; all others: polyamide/brass
 - Slide gate: Bakelite

Accessories: Thermometer, range 0° to +60°C
Manometer, range 60 mbar differential pressure
Nozzles for flexible tube connection
Electronic Display Unit, including Interface RS 232 and Analog Output (requires Pulse Generator)

Built-in Options:

Resettable Roller Counter, 6-digit (substitutes Totalizing Roller Counter)
Pulse Generator (for connection of Electronic Display Unit or Computer)