RMG

New measuring unit, optimized performance and an additional



Reduction in service and spare parts costs

RGC 704

PGC 9303

FORE JN

• The complex U/I filters have been replaced by optimized desiccant cartridges which enable stable and economical operation even under harsh environmental conditions

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• The molecular sieve column has an improved and more stable design

Additional advantages

- Extended measuring ranges
- State-of-the-art network communication
- Expansion of interfaces
- Less moving components in the Ex housing (pressure sensor board only)
- More digital outputs are available, although the peripherals remain the same (just the adjustment of the carrier gas pressure is necessary)

Switching to the new measuring mechanism is not only worthwhile from an economic perspective!

More than 45% lower operating costs are sustainable, resourcesaving and it takes just a few years for amortization

- Lower consumption of carrier and calibration gas
 Carrier gas helium reduced by 42%
 - •Calibration gas reduced by 71%
- 50% reduced sample gas consumption, which also leads to a reduction in emissions
- More than 20% decrease of electrical power consumption



Carrier gas costs for helium in relation



Measuring range comparison*)

	RGC 704	PGC 9303
Columns	A + B + C	A + B +C
Methane	≥ 50	≥ 65
Ethane	≤ 15	≤ 15
Propane	≤ 15	≤ 9
i-Butane	≤ 4	≤ 4
n-Butane	≤ 1,8	≤ 4
neo-Pentane	≤ 0,1	to n-Butane
i-Pentane	≤ 0,5	≤ 0,15
n-Pentane	≤ 0,5	≤ 0,15
Hexane	≤ 0,3	≤ 0,3
Carbon dioxide	≤ 20	≤ 10
Nitrogen	≤ 30	≤ 20
Oxygen	≤ 3,8	≤ 5
Hydrogen	≤ 20	≤ 5
Helium	≤ 0,36	-
Carrier gas	Helium + Argon	Helium
Calorific value	5,53 - 14,0 kWh/m³	7,2 - 14,0 kWh/m³
Standard density	0,59 – 1,36 kg/m³	0,68 - 1,18 kg/m³

*) Measuring ranges in accordance with PTB approval, other measuring ranges outside of PTB approval on request

Bottle rack



Additional carrier gas with the same space requirement for gas supply (FLG)

RMG' **ONE STEP AHEAD**



RMG Messtechnik GmbH

Otto-Hahn-Straße 5 35510 Butzbach Germany

Tel. +49 (0) 6033 897-0 Fax +49(0)6033897-130 Mail info@rmg.com

www.rmg.com