

**Customer:** SAMGAS ROMANIA  
 MIERLEI STREET 12  
 310204 ARAD  
 ROMANIA

**Device:** Rotary Gas Meter type IM-RM G100 DIN PN16 DN 80  
 Manufacturer: Pietro Fiorentini S.p.A.  
 Serial Number / Year: 22305489 / 2023  
 Volume Vcyc [dm<sup>3</sup>]: 1.11  
 Gear wheels: 0260  
 Qmax / Qmin [m<sup>3</sup>/h]: 160 / 0.8  
 PS: 16 bar  
 Seals: TG012  
 High Frequency pulse values [imp/m<sup>3</sup>]: ---  
 Low Frequency pulse values [imp/m<sup>3</sup>]: 1  
 1 tr./index [m<sup>3</sup>]: 1

S/N - Barcode:



22305489

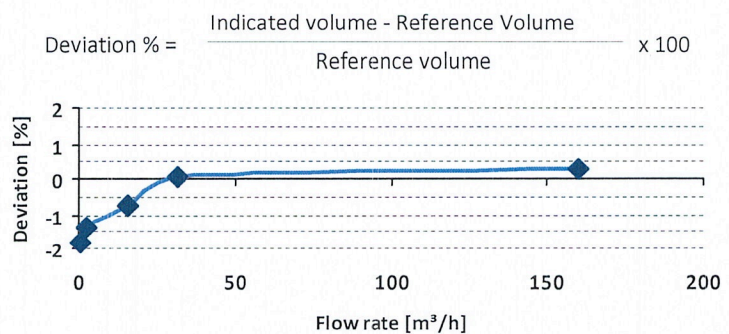
**Date of calibration:** 29-Sep-23

**Calibration method:** The deviation of the device under test is established with the master meter method. The reference that are used are traceable to the National standard of gas measurement.

**Conditions:** The conditions at the device under test are converted to conditions at the references using the pressure and temperature measurements at the device under test and the references. In the determination of the flow, the pressure measurement point noted as pm(r) is used.

**Results:** Results of the calibration are the followings

Flow rate [m <sup>3</sup> /h]	Deviation [%]
0,8	-1,84
2.4	-1,35
16	-0,72
32	0,03
160	0,3



The total uncertainty in determination is smaller than 0.25%

The total uncertainty in determination of the deviation rate is based upon 2 x the standard deviation (K=2)

The medium is air at a pressure of about 100 kPa (abs) and the temperature of about 21 ± 5°C

Test bench is located at Pietro Fiorentini S.p.A., Mantello (SO) - Italy

**Final Index reading [m<sup>3</sup>]:** 10

**WME [%]:** 0.0341

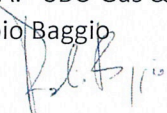
**Traceability:** The result of the calibration services of Pietro Fiorentini S.p.A. are traceable to primary and / or (inter)nationally accepted measurement standards.

Pietro Fiorentini S.p.A. is certified according to ANNEX D of the 2014/32/EU directive relating to gas meters (MID; MI-002) under certificate number 0407-MID-145 (IG-114-2017).

Arcugnano (VI), 29-Sep-23


Pietro Fiorentini S.p.A. - SBU Gas & Water Network Solutions

Fabio Baggio



**CERTIFICATO DI PROVA / TEST CERTIFICATE / CERTIFICAT DE RECEPTION**

EN 10204-3.1 Certificato n. / Certificate nr. / Certificat n. 22305489

Denominazione del prodotto <i>Product name / Nom du produit</i>	Misuratore di gas a rotoidi <i>Rotary displacement gas meter / Compteurs à gaz à pistons rotatifs</i>
Tipo prodotto <i>Product type / Type de produit</i>	IM-RM G100 DIN PN16
Matricola 22305489 <i>Serial Number / Numéro de série</i>	Matr. BARCODE <i>SN Barcode</i>  22305489
Pressione massima (PS) <i>Max working pressure (PS) / Pression max (PS)</i>	16 bar

**Specifica di prova Test specification / Spécification d'épreuve**

A) Prova di resistenza alla pressione <i>Strength test / Résistance mécanique</i>	24 bar
A1) Durata della prova <i>Test time / Durée de l'épreuve</i>	180 s
A2) Liquido o gas di prova <i>Test liquid or gas / Liquide ou gaz d'essai</i>	Azoto Nitrogen / Azote
B) Prova di tenuta <i>Leakage test / Test d'étanchéité</i>	17.6 bar
B1) Durata della prova <i>Test time / Durée de l'épreuve</i>	180 s
B2) Gas di prova <i>Test gas / Gas d'essai</i>	Azoto Nitrogen / Azote

Osservazioni <i>Remarks / Observations</i>	Test A e B superati <i>Test A and B passed / Epreuve A et B passé</i>
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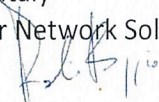
Con la presente si certifica che la prova di tenuta del prodotto descritto sopra è stata effettuata a temperatura ambiente e non si è manifestata alcuna perdita.

*We hereby certify that the tightness of the product described above has been tested at room temperature and no leakage has been found.*

*Nous certifions que l'étanchéité du produit ci-dessus a été testée à température ambiante et qu'aucun fuite n'a été constaté.*

Data 29-Sep-23  
*Date*

Pietro Fiorentini S.p.A.  
 Arcugnano (VI) - Italy  
 SBU Gas & Water Network Solutions: Fabio Baggio



- [1] Product / Instrument / Pressure equipment (product, type, batch or serial number): gas meters type IM-RM produced in series IM-RM G100 DIN PN16 DN 80
- [2] Name and address of the manufacturer: Pietro Fiorentini S.p.A.  
Via E. Fermi, 8/10 - 36057 - Arcugnano (VI) - Italy
- [3] This declaration of conformity is issued under the sole responsibility of the manufacturer.
- [4] Object of the declaration: gas meter serial number 22305489  
— description of the product / instrument / pressure equipment  
The gas counters series IM-RM are rotary displacement gas meters able to register in an index the volume of gas that pass through. They are similar to metallic vessels with different dimensions and with different accessories, ready to be connected to piping lines.  
— conformity assessment procedure followed  
Assessment procedure according to MID Directive Module B + Module D  
Assessment procedure according to ATEX Directive Annex VIII  
Assessment procedure according to PED Directive Module B (production type) + Module C2
- [5] The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:  
- **DIRECTIVE 2014/32/EU of 26 February 2014 (MID)**  
- **DIRECTIVE 2014/34/EU of 26 February 2014 (ATEX)**  
- **DIRECTIVE 2014/68/EU of 15 May 2014 (PED)**
- [6] References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared (relative parts / clauses):  
EN 12480:2018; ASME VIII div. 1 ed. 2010; OIML R 137; EN60079 series; EN1127-1:2019; EN80079-36:2016; EN80079-37:2016
- [7] Name, address and number of the notified body which carried out the conformity assessment and the number of the certificate issued.  
**MID** Tifernogas srl - Via R. Morandi, 44/d - 06012 - Città di Castello (PG) - ITALY  
Notified Body n. 2142 - Module B, Certificate I-2142-MI002-TG012  
  
Istituto Giordano S.p.A. - Via Rossini, 2 - 47814 - Bellaria (RN) - ITALY  
Notified Body n. 0407 - Module D, Certificate 0407-MID-145 (IG-114-2017)  
**ATEX** Technical dossier sent to TÜV CYPRUS (TÜV NORD) Ltd, 2 Papaflessa Str., 2235 Latsia, Nicosia - Cyprus - Notified Body n. 2261  
Deposit n. 0206121  
**PED** LRQA Inspection Iberia, S.A. - C/ Princesa, 29-1° - 28008 Madrid (SPAIN)  
Notified Body n. 0094  
Pressure Accessory cat. I, II or III: Module B - Certificate 0094/PED/MAD 11090550/01/01 ENG + Module C2.
- [8] Additional information: As regards the aspects relating to Regulation (EC) no. 1907/2006 - REACH and SCIP Notification please refer to what is reported at the following link  
<https://www.fiorentini.com/en/scip-declarations/>

Arcugnano (VI), 29-Sep-23

Signed for and on behalf of: Pietro Fiorentini S.p.A.  
Fabio Baggio, SBU Gas & Water Network Solutions

Signature:

