

Issued by NMI Certin B.V.  
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 The Netherlands

In accordance with The "Metrologiewet" (Stb. 2006, 137) as Dutch implementation of Directive 2004/22/EC on measuring instruments (MID).

Manufacturer SAMGAS S.r.l.  
 Strad Provinciale 33  
 I-20080 Vernate (MI)  
 Italy

In respect of **A diaphragm gas meter**

Manufacturer : SAMGAS S.r.l.  
 Type : RS / 2001 LA (steel housing)  
 RS / 2001 AL (aluminium housing)

Characteristics Destined for the measurement of : gas volume  
 Accuracy class : Class 1,5  
 Temperature range : -10°C / +40°C  
 Mechanical environment class : M2  
 Electromagnetic environment class : E1

G-value	Q <sub>max</sub> [m <sup>3</sup> /h]	Q <sub>min</sub> [m <sup>3</sup> /h]
4	6	0,040
2,5	4	0,025
1,6	2,5	0,016

In the description number T10226 Revision 0 further characteristics are described.

Valid until 16 September 2019

Description and documentation The gas meter is described in the description number T10226 Revision 0 and documented in the documentation folder T10226-1, appertaining to this EC-type examination certificate.

Notified Body number 0122  
 NMI Certin, 16 September 2009

C. Oosterman  
 Head Certification Board

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## 1 General information about the gas meter

All properties of the gas meter, whether mentioned or not, may not be in conflict with the legislation.

### 1.1 Essential parts

Description	Documentation	Remarks
Construction	10226-02	Description
Diaphragm	10226-07	Material HELSA-HT8414, manufacturer HELSOCOMP GmbH, or material Tessuto CSQ3, manufacturer SMI srl
Valve and valve seat	10226-08 10226-09	Material Vyncolite TX 10916/30 or Delgra 90/100, manufacturer STEA srl or SMI srl

### 1.2 Essential characteristics

1.2.1 See EC-Type examination certificate no. T10226 Revision 0 and the characteristics mentioned below:

Measuring volume	:	1,2 dm <sup>3</sup>
maximum $p_{max}$ RS / 2001 LA	:	0,5 bar
RS / 2001 AL	:	1,6 bar

### 1.3 Essential shapes

1.3.1 The nameplate is bearing at least, good legible, the information as mentioned in the EN1359/A1. An example of the markings is shown in document no. T10226-05.

1.3.2 Sealing: see chapter 2.

### 1.4 Conditional parts

1.4.1 Construction

In addition to the essential parts as mentioned at 1.1, the meter contains at least the following conditional parts:

- housing;
- transmission;
- register.

The meter can also be provided with a low frequency impulse output.

1.4.2 Housing

The gas meter has a housing, which has sufficient tensile strength.

The RS / 2001 AL cover is made of aluminum alloy, the lower and upper case are connected with each other by screws. The RS / 2001 LA cover is made of steel sheet, the lower and upper case are connected with each other by a clamp.

The counter case is also connected to the upper case by screws. Examples of the housing are stated on 10226-06.

#### 1.4.3 Transmission

The transmission between the measuring part and the register is executed via a fixed mechanical or magnetic coupling.

#### 1.4.4 Register

The indication takes place in m<sup>3</sup>, by 5 drums before the comma and 3 drums after the comma. In documentation nr. 10226-05 an example of the counter is presented. The counter is adjustable via correction gears, see documentation nr. 10226-10.

### 1.5 Conditional shapes

#### Connection

The meter can be executed with a single or a double pipe connection.

The diameter of inner connection of the single pipe version is least 24,5 mm.

The diameter of the connections of the double pipe version is at least 19 mm.

The distance between the middle of the in- and outlet connection of the double pipe version is 160 mm maximally.

### 1.6 Non-essential parts

1.6.1 Reverse stop for preventing registration in reversed flow direction

1.6.2 Pulse generator

## 2 Seals

The following items of the meter are sealed:

- The nameplate of the meter.
- The entrance to the measuring part of the RS / 2001 AL is sealed with one or more seals.
- The entrance to the register is sealed with one or more seals.
- If a separate nameplate is used to show the pulse value this nameplate has to be sealed.

See drawing no. T10226-04 for an example of the sealing.

The securing component has to bear either:

- A mark of the manufacturer laid down in approved quality system by a Notified body, or;
- A mark of a Notified Body.