

**PhN30** class **G.40** • **PhN60** class **G.65** • **PhN100** class **G.100**

## Diaphragm GAS Meter

According to the following regulations:

EN 1359, OIML R6/89; R31/95,

MID (2004/22/CE) - PED (97/23/CE)

Suitable for methane – LPG and other kind of gases.

Body casing: Deep-drawn sheet steel

Welding sheet steel

(G.40, G.65, special versions and G.100)

Low noise

L.F. Pulse Generator

Remote reading ready

Antifraud system

Available with various inlet/outlet plugs (mm)

PhN30 G.40: 430 - 510 \*

PhN60 G.65: 500 - 640 \*

\* special versions

PhN100 G.100: 675 - 710

High measuring accuracy also at the low flow rate

Casing protected with epoxy varnish RAL 7000

Minimum pressure loss

ARG/gas 155/08 Directive ready



### ▼ Regulations

All sheet steel meters are built in accordance with EN 1359 Standard and approved for working until 0,5 bar.

Italian Model Approval: C.M. 15.09.1975, n° 275.

EEC Model Approval no.1 01 02.01.016.

Manufactured in accordance with OIML standards, section R6/89; R31/95 and in accordance with Directive MID.

Meters comply with Italian Law on security (Law 1083/71), and they have other U.C.M. approvals (Ministry of Productive Activities).

### ▼ Features

The High-Temperature-proof version complies with EN1359 for pressure up to 0,1 bar

Body casing made with deep-drawn sheet steel

Synthetic diaphragm (for wide range of temperature);

High measuring stability

Low noise and low pressure loss;

Equipped with magnet ( LF Pulse generator –reed contact –can be added in any time for r remote control.

Sacofgas Meters Series G is available in several sizes and typology (meter casing made with high temperature-proof sheet).

Meters are available in several base connections.

The device meters the used gas volume with drums system (with antifraud protection).

### ▼ Functioning

Computerising measuring and calibration system of internal Metrological Laboratory (approved by U.C.M. of Ministry of Productive Activity with prot. N. 360350 of 7.02.1992) guarantees high production of meters.

Sacofgas diaphragm meters may be used also for natural gas, manufactured gas, LPG, technical gas.

High quality internal plastic and metal components, internal and external wrapper protection with epoxy varnish, guarantee the meters long life span.

Our internal patented measuring system assures high measuring sensibility with minimum gas flow.



### ▼ Headquarters and Sales offices:

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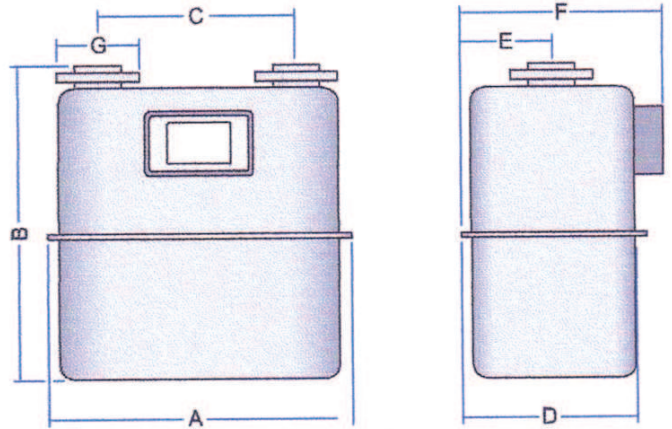
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**PhN30 class G.40**  
**PhN60 class G.65 · PhN100 class G.100**

**Diaphragm GAS Meter**

## technical data



### TECHNICAL FEATURES

	PhN30	PhN60	PhN100
Class EEC	G.40	G.65	G.100
Identification Code	340000	650000	750000
Working Temperature (°C)	- 20 / + 60		
Max pressure (mbar)	500	500	500
Weight (Kg)	39	59	135
Cyclic Volume (dm <sup>3</sup> )	35	60	120
Qmin (m <sup>3</sup> /h)	0,400	0,650	1
Qmax (m <sup>3</sup> /h)	65	100	160

### DIMENSIONS

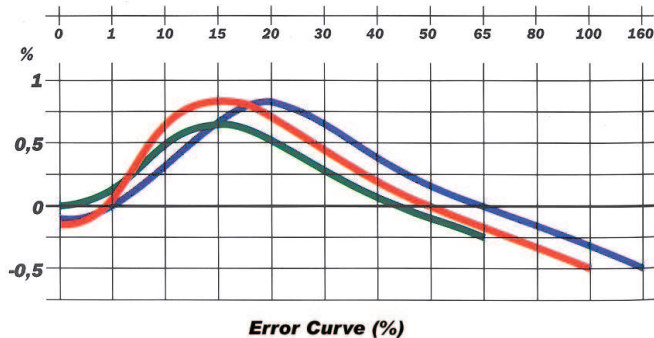
	PhN30	PhN60	PhN100
A	640 (750*)	748 (830*)	930 (910*)
B	668 (717*)	770 (820*)	1033
C	430 (510*)	500 (640*)	710 (675*)
D	380 (384*)	444 (444*)	490
E	200 (192*)	220 (222*)	245
F	405 (406*)	469 (466,5*)	510
G	DN 65 / DN 80	DN 80	DN 100

\* Special versions

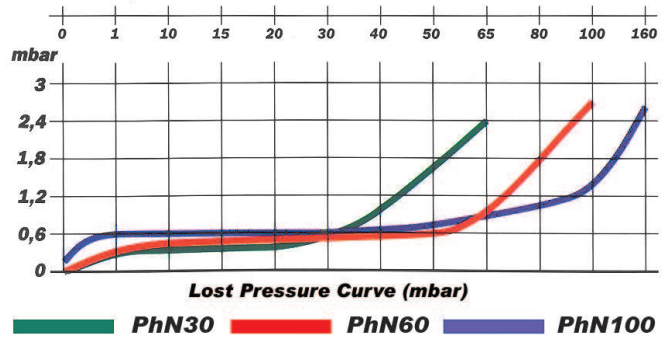
### ▼ Additional device( on request)

- Reed contact pulse generator (LF) with possibility of inserting probe
- P.T. – detecting temperature probe
- Absolutely Encoder (for AMR – Automatic Remote Reading)
- Magnetic Coupling Transmission to the meter index

Flow rate m<sup>3</sup>/h



Flow rate m<sup>3</sup>/h



Lost Pressure Curve (mbar)

PhN30 PhN60 PhN100

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