

Gas Meters With Pulsed Output



Features

- Pulsed output
- Suitable for natural gas, city gas & L.P.G

Specification

Max. pressure:

MG-G4 to G10 0.5bar

MG-G16 to G65 0.2bar

Flow:

	Max.	Nominal	Min.
MG-G4	6m ³ /h	4m ³ /h	0.04m ³ /h
MG-G6	10m ³ /h	6m ³ /h	0.06m ³ /h
MG-G10	16m ³ /h	10m ³ /h	0.10m ³ /h
MG-G16	25m ³ /h	16m ³ /h	0.16m ³ /h
MG-G25	40m ³ /h	25m ³ /h	0.25m ³ /h
MG-G40	65m ³ /h	40m ³ /h	0.40m ³ /h
MG-G65	100m ³ /h	65m ³ /h	0.65m ³ /h

Connections:

Screwed MG-G4 to MG-G25

Flanged MG-G40 to MG-G65

Ambient temp. 0 to 40°C

Material Epoxy coated steel

Pulsed output specification:

Pulse value:

MG-G4 to G10 0.01m³

MG-G16 to G65 0.1m³

Max. load current 100mA

Max. switching voltage 24Vdc

Max. contact rating 0.6W

Switch actuating time 0.3s

Connection type 4 core flying lead (see page 2)

Lead length 2m

Conformity:

EEC 71/318

UNI-CIG 7987/7988 norms

OIML Regulations

Product Codes

MG-G4

Diaphragm gas meter 1" unions, with pulsed output

MG-G6

Diaphragm gas meter 1" unions, with pulsed output

MG-G10

Diaphragm gas meter 1½" unions, with pulsed output

MG-G16

Diaphragm gas meter 1½" unions, with pulsed output

MG-G25

Diaphragm gas meter 2" unions, with pulsed output

MG-G40

Diaphragm gas meter 100mm flanged with pulsed output

MG-G65

Diaphragm gas meter 100mm flanged with pulsed output

Technical Overview

The MG-G series of gas meters use proven, reliable technology to measure the volume of gas used and then sends a pulsed signal to a BMS system.

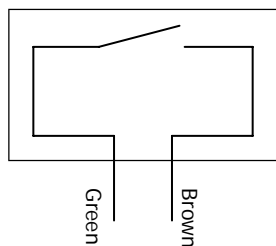
Diaphragm gas meters work on the principle of two chamber metering. Two measuring chambers separated by a mobile diaphragm which will fill and evacuate alternatively.

Installation

The MG-G series of gas meters are precision measuring instruments manufactured to exacting tolerances and should be treated accordingly. The meters should be stored in an upright position and rough handling must be avoided.

1. The gas line must be clean and not influenced by any particles in the gas stream. If in doubt install suitable filters.
2. Pulsating & turbulent flows should be avoided
3. Install the meter with the totaliser in the horizontal position.
4. The gas must flow through the meter in the indicated direction.
5. When bringing the meter into operation care must be taken that any flow control devices in the line, before or after the meter, are opened slowly. This prevents meter overload due to excessive starting speeds. The line should always be shut off gradually.

Connections

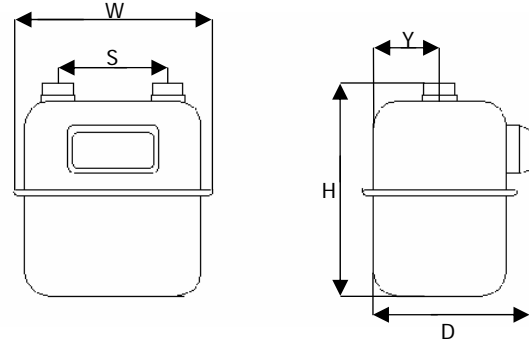


Output pulse value:

MG-G4 to G10	0.01m ³
MG-G16 to G65	0.1m ³

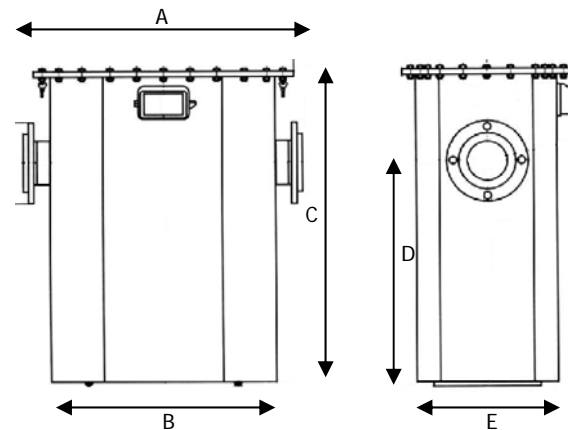
Dimensions

Screwed types:-



Part code	W (mm)	D (mm)	H (mm)	Y (mm)	S (mm)	Weight (kg)
MG-G4	214	165	206	66	110	2
MG-G6	231	187	276	78	130	3
MG-G10	395	207	345	93	280	6.8
MG-G16	538	308	585	151	335	30
MG-G25	538	308	585	151	335	30

Flanged types:-



Part code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
MG-G40	720	601	796	560	362	90
MG-G65	720	601	796	560	362	90