

Diaphragm gas meter BK-G1,6

Compact diaphragm meter
for domestic installations



Fields of Application

- Natural gas, town gas, propane, butane and inert gases.
- Gas industry.
- Measurement of gas volume.

The increase in the cost of energy, and the other utilities requires more precise and reliable measurements, with instruments of modern and compact design.

Description:

The BK-G1,6 is a synthetic diaphragm meter, with the latest technology, and injection-moulded aluminium body. It is designed for a maximum flow of 2.5 m³/h of flow and an operating pressure of 1.0 bar. It is available with many different threads and distances between connection centers.

Main Features:

Control of the flatness of the error curve is performed with a needle and scale adjustment at the factory during assembly. Ensuring the highest calibration requirements are satisfied for the most current regulations and standards.

The index comes ready for the immediate installation of a low frequency transmitter in the field without having to replace, change or remove the meter at any time.

A low friction factor can be attributed to the careful design of the elements of distribution, which allowed the reduction in size of the channeling chambers and the valves. Thus an RPF = 0.9 is achieved (according with BS4161), that is to say, a very low susceptibility to the contamination of the distribution system of the meter, whose result is increasing the stability of the error curve even at a minimum flow.

The synthetic diaphragm, moulded in stadium shape, and the measuring chambers used, ensure precise and stable measurement, including at minimum flow.

The diaphragm assembled and calibrated pneumatically, ensure a low load loss and minimum noise. The design, the materials and its components ensure the highest standard of quality of the device.

Traceability of the parts: identified with production date, in high relief.

Operation:

Four symmetric measuring chambers two on each side, are divided by synthetic diaphragm.

The chambers are filled and emptied periodically.

The alternate movement of the diaphragm is made to obtain the rotation of an eccentric axis, which controls the movement of the distribution valves, for the filling and emptying of the measuring chambers.

The movement of the eccentric axis is transmitted through kinematical chain to the integrator of the device where it indicates the volume of gas which has passed through the unit at operating conditions.

Handling:

Although the construction of the meter is very robust, it must be taken into account that it is a measuring instrument and it must be handled with care, according to the packaging instructions.

Installation:

The gas source must always be installed on the left side or inlet side of the meter.

The addition of an anti-return valve (optional) avoids the possibility of fraud due to reversing the meter at the site. It can also be used as an indication of incorrect installation.

Key Features:

- Approval in
EC European Community
Inmetro Brazil
Enargas Argentina
S.e.c. Chile.
nom 014 Mexico
ntc 2728 Colombia
- Flows from 0,016 m³/h. to 3 m³/h.
- Maximum operating of pressure 1.0 bar (aluminium).
- Meets the requirements of OILM R6 y R31 - IRAM 2717 PORTARIA N° 31.
- High accuracy and long-term or reliability.
- Compact design.
- Standard: pulse magnet
The transmitter of low frequency pulses can be installed at any time.
- Low noise level.
- Not susceptible to contamination. (RPF = 0,9)
- Synthetic, stadium-shape diaphragm.

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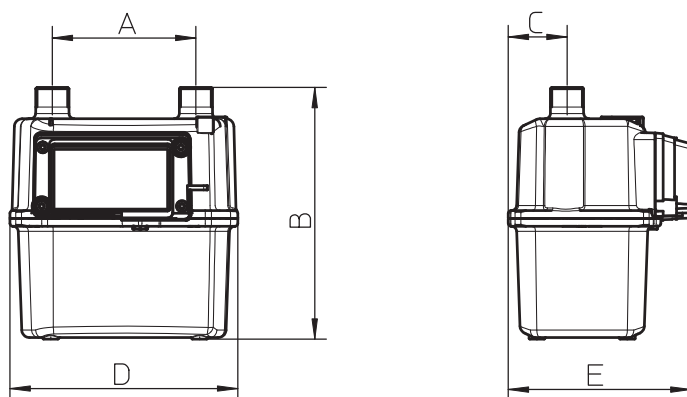


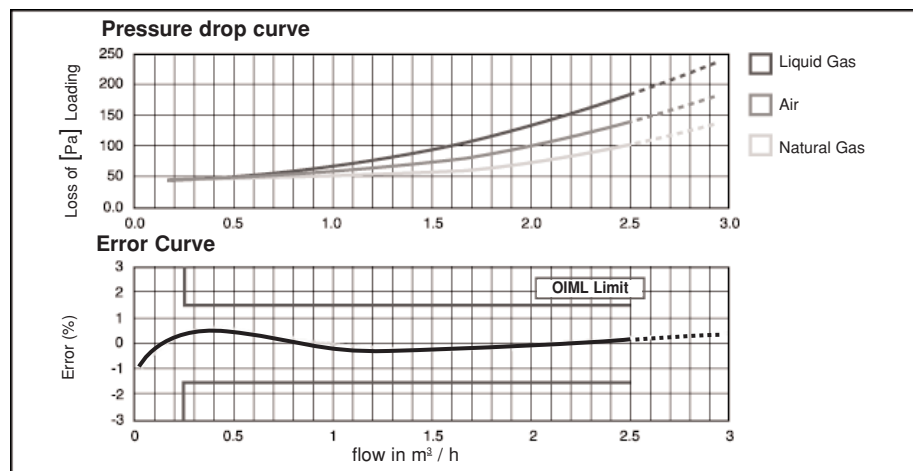
TABLA DE DIMENSIONES EN mm					PESO	TIPO DE ROSCA	
A	B	C	D	E	DN	Kg.	DESIGNACION
110	194	46	176	142	23,3	1,38	DN20
110	194	46	176	142	22	1,38	G 1" ISO228
110	194	46	176	142	26	1,38	G 1 1/4" BSP
110	194	46	176	142	17	1,38	G 3/4" BSP
110	194	46	176	142	17	1,38	G 3/4" ISO228
110	194	46	176	142	26	1,38	G 1 1/4" ISO228
130	194	46	176	142	23,3	1,38	DN20
130	194	46	176	142	26	1,38	10 LT
130	194	46	176	142	22	1,38	G 1" BS746
130	194	46	176	142	16	1,38	M26X1.5

With pressure nipple test mounted either from front or from side dimension B does not changes

With pressure nipple test: D= 188 mm.

Other threads and centerdistance on request

Characteristic Curves BK-G1,6



Nominal cyclical volume: 0,8 dm³

Strappings:

Capsule of acetal resin resistant to u.v. not removable.

Storage Temperature: -20 °C to + 60 °C.

Presentation:

In pallet of 120, or 240 units, in floors with cardboard separator.

Optional: Pack of 10 units in individual cardboard box, palletized.

In both cases on wood board.

Optional Elements:

Complement to strap the meter to the facility.

Strapping through lockscrew or fuse.

Antireturn valve which impedes fraud.

Nipple for pressure measurement.

Impulse transmitter - IN-Z 61/62 of 0,01 m³ / pulse.

Nuestros Contactos

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