

## Atmos® HP - diaphragm gas meter

### Two-pipe Diaphragm gas meter HP G1.6A | HP G2.5A | HP G4A

Solid build quality, high accuracy, safety and a series of advanced technical details make the Atmos® diaphragm gas meter a high-grade measuring instrument. The meter is characterized by precise measurements, a constant measuring stability, a long life and high reliability. Thanks to the use of high-grade materials the diaphragm gas meter is resistant to corrosion.



Centre distance 130 mm



Center distance 152 mm

#### Sizes:

HP G1.6A : 0,016 m<sup>3</sup>/h to 2.5 m<sup>3</sup>/h

HP G2.5A : 0,025 m<sup>3</sup>/h to 4 m<sup>3</sup>/h

HP G4A : 0,04 m<sup>3</sup>/h to 6 m<sup>3</sup>/h

#### Gas media:

- Natural gas
- Town gas
- Biogas
- Liquid gas
- Methane gas

#### Housing material:

Die-cast aluminum

The gas meter is suitable for various gas media. The integrated calibration system coordinates the movement of the valves in relation to the optimum gas flow. The excellent linearity of the error curve is guaranteed even at low flow rates. Due to the optimum sliding characteristics of the valves the  $Q_{\min}$  value remains stable and the gas meter is resistant to contamination. The high measuring range enables precise metering for flow rates from 0.016 m<sup>3</sup>/h to 6 m<sup>3</sup>/h.

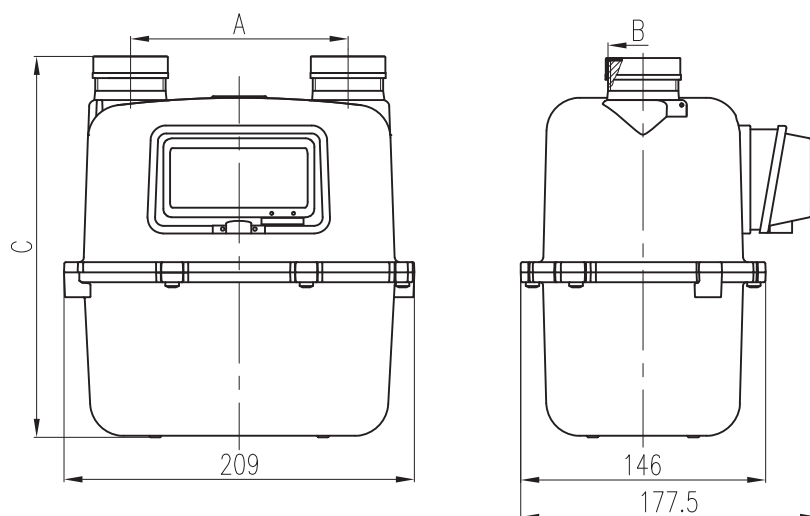
The Atmos® diaphragm gas meter meets the requirements of the EN1359:1998/A1:2006 and OIML R137-1 (2012) standards.

### Performance characteristics

- Approved in accordance with MID by NMI
- Integrated system to adjust the error curve
- Die-cast aluminum housing for maximum corrosion resistance
- Fire resistant (HTB) up to 0.1 bar according to EN1359
- Starting flow < 1 dm<sup>3</sup>/h
- Working temperature range: -25 °C to +55°C
- Operating pressure: 1.5 bar
- Long-term stability due to usage of high-quality diaphragms
- Retrofittable with pulser
- Optional: reverse flow preventer



Technical data Atmos® HP G1.6A   HP G2.5A   HP4A					
Type			G1.6A	G2.5A	G4A
Nominal flowrate	$Q_n$	m³/h	1.6	2.5	4
Maximum flowrate	$Q_{max}$	m³/h	2.5	4	6
Minimum flowrate	$Q_{min}$	m³/h	0.016	0.025	0.04
Maximum operating pressure		bar	1.5	1.5	1.5
Maximum permissible errors	$0,1 Q_{max} \leq Q \leq Q_{max}$ $Q_{min} \leq Q < 0,1 Q_{max}$		$\pm 1.5\%$ $\pm 3\%$	$\pm 1.5\%$ $\pm 3\%$	$\pm 1.5\%$ $\pm 3\%$
Max. pressure loss		mbar	$\leq 2$	$\leq 2$	$\leq 2$
Display range max.		m³/h	99999.9998	99999.9998	99999.9998
Display range min.		m³/h	0.0002	0.0002	0.0002
Accuracy class	class		1.5	1.5	1.5
Cyclic volume		dm³	1.2	1.2	1.2
Pulse value		m³/pulse	0.01	0.01	0.01
Weight		kg	2.2	2.2	2.2



Dimensions Diaphragm gas meter Atmos® HP G1.6A | HP G2.5A | HP G4A

A	90 ± 0.50	110 ± 0.50	130 ± 0.50	152 ± 0.50	
B	M30 x 2 - 6g	G¾B	G7/8B	G1B	G1¼B

## Atmos<sup>®</sup> HP - Diaphragm gas meter

### Two-pipe Diaphragm gas meter HP G6A



Solid build quality, high accuracy, safety and a series of advanced technical details make the Atmos<sup>®</sup> diaphragm gas meter a high-grade measuring instrument. The Diaphragm gas meter is available in size G6. The meter is characterized by precise measurements, a constant measuring stability, a long life and high reliability. Thanks to the use of high-grade materials the diaphragm gas meter is resistant to corrosion.

The gas meter is suitable for various gas media. The integrated calibration system coordinates the movement of the valves in relation to the optimum gas flow. The excellent linearity of the error curve is guaranteed even at low flow rates. Due to the optimum sliding characteristics of the valves, the  $Q_{min}$  value remains stable and the gas meter is resistant to contamination.

The Atmos<sup>®</sup> HP-diaphragm gas meter meets the requirements of the EN1359:1998/A1:2006 and OIML R137-I (2012) standards.

### Performance characteristics

- Approved in accordance with MID by NMI
- Integrated system to adjust the error curve
- Die-cast aluminum housing for maximum corrosion resistance
- Starting flow < 3 dm<sup>3</sup>/h
- Working temperature range: -25 °C to +55°C
- Operating pressure: 1.5 bar
- Long-term stability due to usage of high-quality diaphragms
- Retrofittable with pulser
- Optional: reverse flow preventer

#### Sizes:

HP G6A : 0.06 m<sup>3</sup>/h to 10 m<sup>3</sup>/h

#### Gas media:

- Natural gas
- Town gas
- Biogas
- Liquid gas
- Methane gas

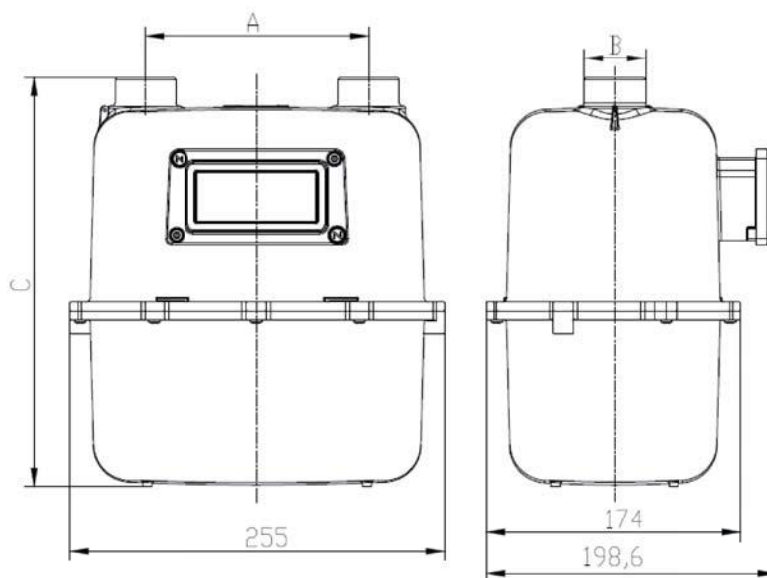
#### Housing material:

Die-cast aluminum

## GAS METER



Technical data Atmos® HP G6A			
Type			HP G6A
Nominal flowrate	$Q_n$	m³/h	6
Maximum flowrate	$Q_{max}$	m³/h	10
Minimum flowrate	$Q_{min}$	m³/h	0.06
Maximum operating pressure		bar	1.5
Maximum permissible errors	$0.1 Q_{max} \leq Q \leq Q_{max}$ $Q_{min} \leq Q < 0.1 Q_{max}$		$\pm 1.5\%$ $\pm 3\%$
Max. pressure loss		mbar	$\leq 2$
Display range max.		m³/h	99999.9998
Display range min.		m³/h	0.0002
Accuracy class	class		1.5
Cyclic volume		dm³	1.2
Pulse value		m³/pulse	0.01
Weight		kg	4.1



Dimensions Diaphragm gas meter Atmos® HP G6A				
A	[mm]	152.4 ± 0.30		
B		G1B	G1¼B	NPT 1"      NPT 1¼"
C	[mm]	279		