

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.

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 rotating 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 m³/h to 6 m³/h.

The Atmos[®] HP- diaphragm gas meter meets the requirements of the EN1359:1998/A1:2006 and OIML R137 (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 < 1 dm³/h
- Working temperature range: -25 °C to +55°C
- Operating pressure: 1.5 bar
- Long-term stability due to usage of high-quality diaphragms
- Starting flow ≤ 1 dm³/h
- Optional: Retrofittable with pulser

Sizes:

HP G1.6A : 0.016 m³/h to 2.5 m³/h

HP G2.5A : 0.025 m³/h to 4 m³/h

HP G4A : 0.04 m³/h to 6 m³/h

Gas media:

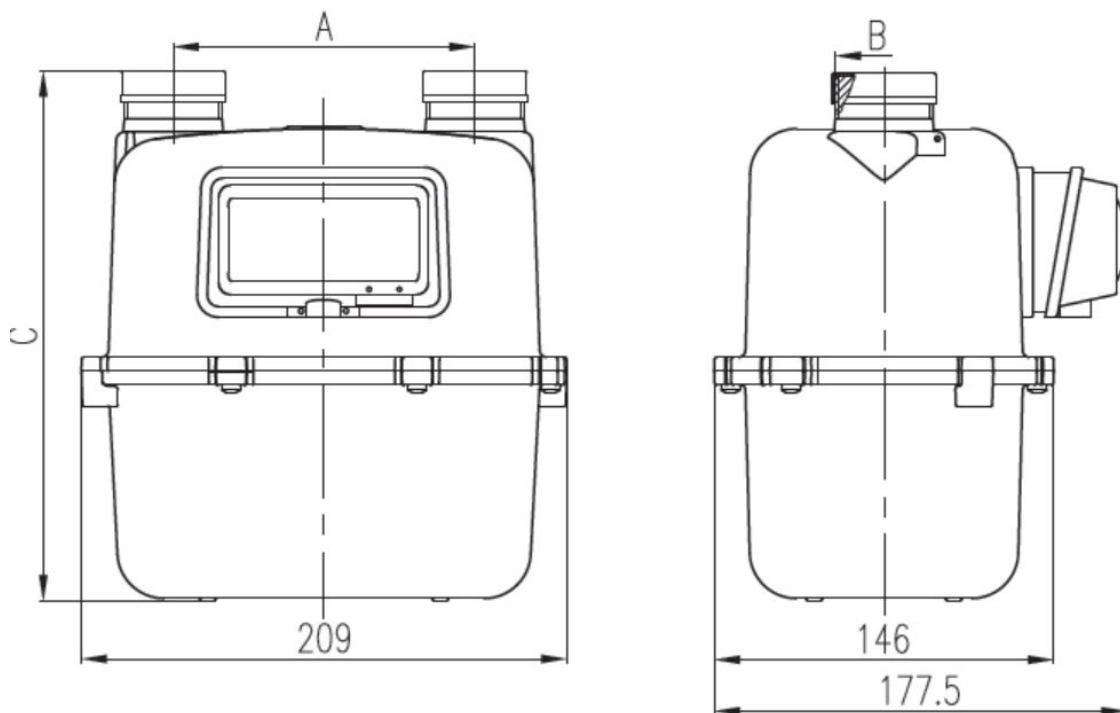
- Natural gas
- Town gas
- Biogas
- Liquid gas
- Methane gas

Housing material:

Die-cast aluminum

Technical data Atmos® HP G1.6A | HP G2.5A | HP G4A

Type			HP G1.6A	HP G2.5A	HP G4A
Maximum flowrate	Q_n	m ³ /h	1.6	2.5	4
	Q_{max}	m ³ /h	2.5	4	6
Minimum flowrate	Q_{min}	m ³ /h	0.016	0.025	0.04
Maximum operating pressure		bar	1.5	1.5	1.5
Maximum permissible errors	$0.1 Q_{max} \leq Q \leq Q_{max}$		± 1.5%	± 1.5%	± 1.5%
	$Q_{min} \leq Q < 0.1 Q_{max}$		± 3%	± 3%	± 3%
Max. pressure loss		mbar	≤ 2	≤ 2	≤ 2
Display range max.		m ³ /h	99999.9998	99999.9998	99999.9998
Display range min.		m ³ /h	0.0002	0.0002	0.0002
Accuracy class	class		1.5	1.5	1.5
Cyclic volume		dm ³	1.2	1.2	1.2
Pulse value		m ³ /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	[mm]	130 ± 0.50	152.4 ± 0.50			
B		M30 x 2 6	¼B	G¾B	NPT ¾"	NPT 1"
C	[mm]	227				

Atmos[®] HP-Diaphragm gas meter

Two-pipe Diaphragm gas meter HP G4MA | HP G6MA | HP WG6MA



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.

The gas meter is suitable for various gas media. The integrated calibration system coordinates the movement of the valves in relation to the optimum Q_{\min} value remains stable and the gas meter is resistant to contamination. The high measuring range enables precise metering for flow rates from 0.04m³/h to 10 m³/h.

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

Sizes:

HP G4MA : 0.04 m³/h to 6 m³/h

HP G6MA : 0.06 m³/h to 10m³/h

HP WG6MA : 0.04 m³/h to 10 m³/h

Gas media:

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

Housing material:

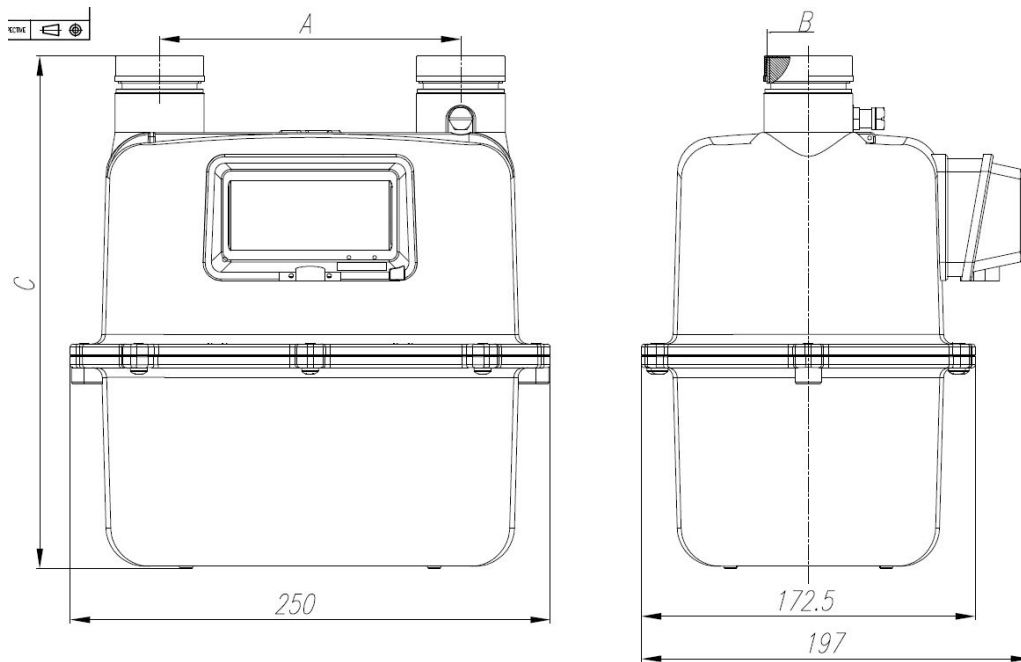
Die-cast aluminum

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 < 1 dm³ /h
- Working temperature range: -25 °C to +55°C
- Operating pressure: 1.5 bar
- Long-term stability due to usage of high-quality diaphragms
- Optional: Retrofittable with pulser.

Technical data Atmos® G4A | G6MA | WG6MA

Type			G4MA	G6MA	WG6MA
Nominal flowrate	Qn	m³/h	4	6	6
Maximum flowrate	Qmax	m³/h	6	10	10
Minimum flowrate	Qmin	m³/h	0.04	0.06	0.04
Maximum operating pressure		bar	0.5	0.5	0.5
Maximum permissible errors	0,1 Qmax ≤ Q ≤ Qmax Qmin ≤ Q < 0,1 Qmax		± 1.5% ± 3%	± 1.5% ± 3%	± 1.5% ± 3%
Max. pressure loss		mbar	≤ 2	≤ 2	≤ 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	2	2	2
Pulse value		m3/pulse	0.01	0.01	0.01
Weight		kg	3.05	3.05	3.05



A	152.4±0.5		
B	G1 1/4 B(ISO 228-1:2000)	M42X2-6g	1"(BS 746:2005)
C	259		