Pietro Fiorentini

RS/2.0 & RST/2.0



The newly designed **RS/2.0** and **RST/2.0 residential gas meters** expand Pietro Fiorentini's range of diaphragm gas meters and are engineered to meet high standards of measurement accuracy, reliability and long-term performance.
The RS/2.0 measures gas volume under ambient conditions, while the RST/2.0 measures temperature-compensated gas volume.
Pietro Fiorentini diaphragm gas meters are suitable for measuring natural gas, propane, butane, nitrogen, hydrogen-blended natural gas and other non-corrosive gases, in **accordance with DVGW G260**.
The diaphragm measuring unit is a key element in ensuring metrological accuracy and is therefore subjected to rigorous quality control procedures throughout the entire production process. The meter design also allows accuracy adjustment during production, helping to optimise the error curve and enhance long-term metrological stability.
Thanks to its optimised design and the use of high-quality materials, the meter achieves low mechanical friction and reduced noise emissions. **The housing is manufactured from zinc/aluminium-coated steel sheet**, providing robust mechanical protection and long-term durability.

Residential users

Features	Values			
Model	G4 RS/2.0	G6 RS/2.0	G4 RST/2.0	G6 RST/2.0
Maximum flow rate (Qmax)	6 m^3/h	10 m^3/h	6 m^3/h	10 m^3/h
Minimum flow rate (Qmin)	0.04 m^3/h	0.06 m^3/h	0.04 m^3/h	0.06 m^3/h
Cyclic volume (V)	2.0 dm^3			
Maximum working pressure (Pmax)	50 kPa | 0.5 bar			
Accuracy class	1.5			
Pressure drop (dP) @Qmax	≤ 0.2 kPa| ≤ 2 mbar			
Ambient temperature range (tm)	from -25°C to 55°C | from -13°F to 131°F		from -10°C to 40°C | from 14°F to 104°F	
Gas temperature range (tg)	from -25°C to 55°C | from -13°F to 131°F		from -10°C to 40°C | from 14°F to 104°F	
Resistance to high temperatures	Approved (T marking)			
Installation in open location	Approved (H3 marking)			
Environment classes	M2/E2			
Measuring gas families	First, second and third families of gases (according to EN 437) and DVGW G260			
REMARK: please refer to a Fiorentini representative for additional configurations / options				

Table 1 Features

Part	Material
Casing	Deep-drawn pre-galvanised sheet metal
Diaphragm membranes	Synthetic
(*) REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.	

Table 2 Material

RS/2.0 and RST/2.0 are designed to meet the following reference standards:

EN 1359

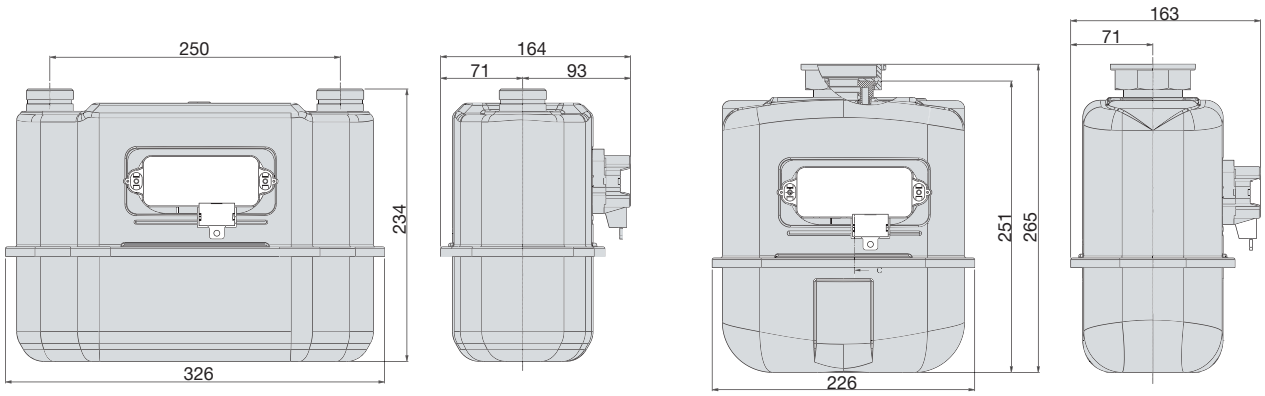
RS/2.0 and RST/2.0 omply with the following European directives:

MID

RS/2.0 & RST/2.0-compatibility with Green Gas

Biomethane compatible and 20% Hydrogen blending compatible.
Higher blending available on request.

Dimensions



Other sizes and connections upon request

Optionals

- Mechanical temperature compensation
- Low Frequency pulse transmitter (imp.=0,01 m3/pulse)
- Customer specific marking and type plate
- Add-on communication modules

RS competitive advantages

Biomethane compatible and 20% Hydrogen blending compatible.
Higher blending available on request

Low acoustic emissions

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