

# RS/2.0 & RST/2.0

Residential diaphragm gas meters for fiscal measurement of gases

The new designed residential gas meters RS/2.0 and RST/2.0 completing Pietro Fiorentini's range of diaphragm gas meters, fulfilling highest requirements for measurement accuracy and endurance performance.

RS/2.0 measures the gas volume at ambient conditions, RST/2.0 measures the temperature compensated gas volume. Pietro Fiorentini diaphragm gas meters can be used for the measurement of natural gas, propane, butane, nitrogen, hydrogen-blended natural gas and all non-corrosive gases. (acc. DVGW G260).

The measurement unit determines the meters accuracy and is therefore subject to several and strict quality control procedures throughout the entire production process. The design of the meter does allow an error adjustment already during the production process, resulting in an optimized error span and better endurance performance.

Due to the unique design features and the high-grade material used, both bearing reaction and noise emission are reduced to a minimum. The gas meter housing is manufactured with a zinc/aluminium coated steel plate.



## Area of application:



Residential gas metering – fiscal application

## Technical Features

- Cyclic volume 2,0 Liter
- Flow rate: 0,04 m<sup>3</sup>/h – 6 m<sup>3</sup>/h (G4)  
0,06 m<sup>3</sup>/h – 10 m<sup>3</sup>/h (G6)
- Max. operating pressure: 0,5 bar
- High temperature resistance: 0,1 bar
- RAL 7001, powder coating
- Small valve and grid cross section area for better measurement performance and resistance against dirt
- Plug in for low frequency pulse transmitter or communication module
- Temperature range: ambient temperature -25°C to +55°C, others on request
- Magnet coupling

## Options

- Mechanical temperature compensation
- Low frequency pulse transmitter (I=0,01m<sup>3</sup>/pulse)
- Customer specific marking & type plate
- Communication modules and smart meter variants on request.

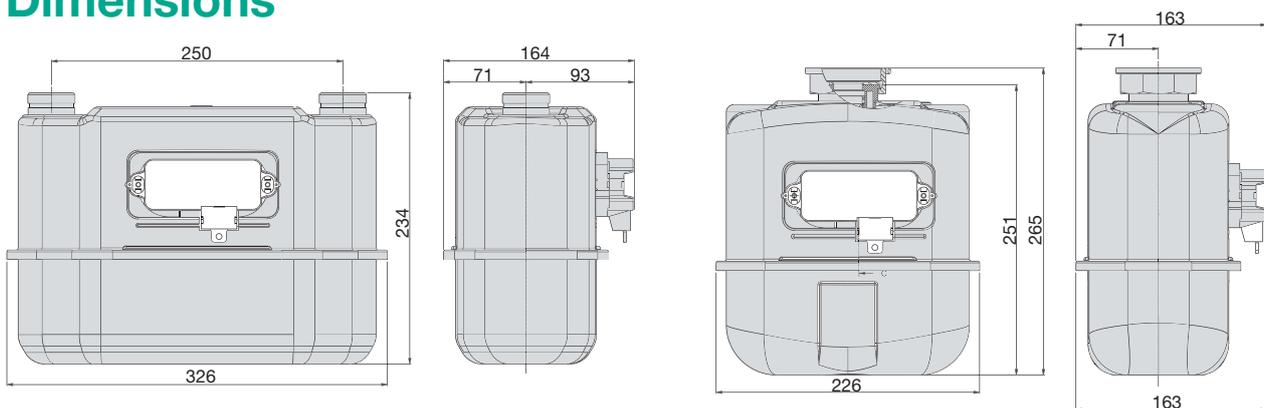
## Approvals

- MID, Modul B and D
- DIN EN 1359:2017

## Characteristics RS/2.0 & RST/2.0

Meter Type	G4		G6	
	Two-pipe	One-pipe	Two-pipe	One-pipe
Cyclic volume	2,0 dm <sup>3</sup>			
Qmax	6 m <sup>3</sup> /h		10 m <sup>3</sup> /h	
Qmin	0,04 m <sup>3</sup> /h		0,06 m <sup>3</sup> /h	
Max. working pressure	0,5 bar			
Connections	DN25, 1 ¼" DN20, 1"	DN25, 2"	DN25, 1 ¼" DN20, 1"	DN25, 2"
Weight	2,8	2,6	2,8	2,6
Center to center distance	250	-	250	-

## Dimensions



## Meter Performance Diagrams

