



## Residential Volumetric Water Meter for Potable Water

R200 / R250 /  
R315 with  
Communication  
(optional)



### Main features

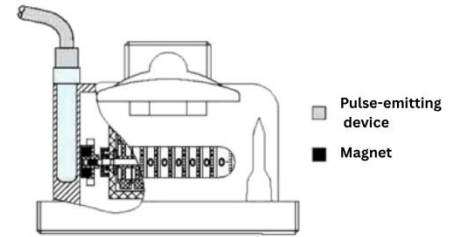
- Register protected in glycerin solution
- High resistance to external tampering
- Mechanical transmisión
- Exceptional measurement range
- Optional differential threads
- Available in 115 mm and 190 mm lengths
- Large-capacity solids retention filter
- Easy communication
- Complies with the technical requirements of NTC-ISO 4064-1 and 4064-2 (2016) on manufacturing, metrological testing, and installation.
- Certified under Resolution 0501 of 2017 from the Ministry of Housing, City, and Territory.
- Built-in non-return valve
- Service life: minimum 10 years based on materials

### Applications

- Measurement for billing of cold potable water up to 50°C
- Measurement of medium and high flow rates
- Measurement of minimum flow rates during low-demand periods
- Installation in any position (H/V)
- Reliable and accurate computation regardless of installation conditions
- Pre-equipped for remote reading
- Optional communication:
  - a) Totalizer with data transmitter via LoRaWAN (915 MHz) for AMR remote reading technology (optional)
  - b) Reed Switch pulse emitter with 0.5 liters/pulse output (optional)

# Technical information

- Performance under extreme conditions: Installation in meter protection boxes
- Accessory description: Includes a set of couplings for installation
- Loading recommendations: Packaged in boxes of 10 meters for ease of transport and storage
- Lubricant recommendations: N/A
- Description of tests to evaluate hydraulic performance: According to NTC ISO 4064-1 and 4064-2:
  - a) Static pressure: The hydraulic pressure supported by the meter is increased for a set period without causing leaks or deformations.
  - b) Indication errors: A volume of water is passed through the meter and collected in a volumetric container. Indication errors are calculated by comparing the readings given by the meter under reference conditions against a calibrated reference device (volumetric container).
- Preventive and corrective maintenance instructions: No maintenance required

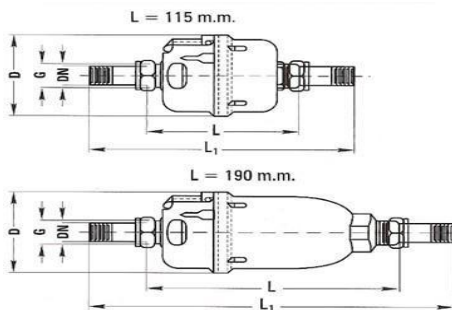


Size	Dn15	Dn20	Dn25
Pulse emitter capacity	1 liter/ 2 pulses	1 liter/ 2 pulses	1 liter/ 2 pulses

## Technical

Nominal Diameter	DN	mm	15			
Size	Inch	Inches	½"			
Measuring Range	R	Q3/Q1	160	200	250	315
Overload Flow Rate (Q4)	+/-2%	l/h	3.125	3.125	3.125	3.125
Permanent Flow Rate (Q3)	+/-2%	l/h	2.500	2.500	2.500	2.500
Transitional Flow Rate (Q2)	+/-5%	l/h	25	20	16	12,7
Minimum Flow Rate (Q1)	+/-5%	l/h	15,6	12,5	10	7,9
Minimum Reading		l	0,02	0,02	0,02	0,02
Maximum Reading		m3	9.999	9.999	9.999	9.999
Maximum Admissible Pressure		bar	16	16	16	16
Starting Flow Rate		l/h	4	4	4	2,5

## Dimensions

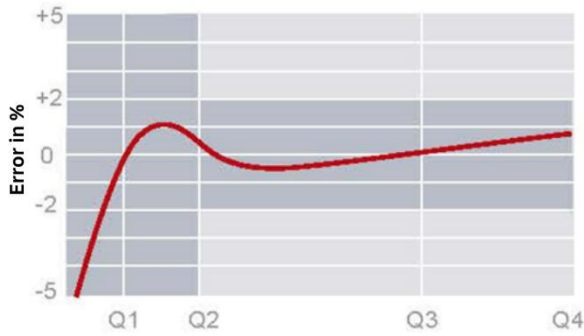


Nominal Diameter	DN	mm	15
Size	Inch	Inches	½"
Length without fittings	L	mm	115
Length with fittings	L1	mm	195
Height with lid closed	D	mm	84,5
Height with lid open	D1	mm	100
Maximum diameter	D	mm	84,5
Thread		Inches	G ¾" B
Weight	With fittings	Kg	1,13
	Without fittings	Kg	0,93

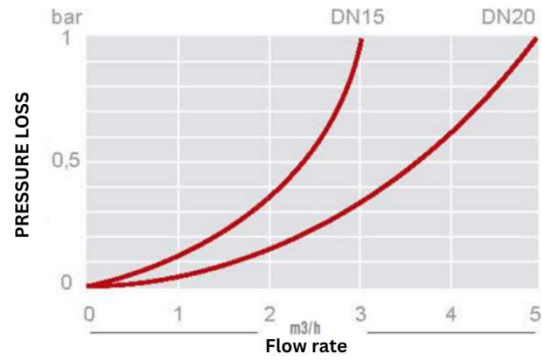
## Exploded



## Typical Curve



## Pressure Loss Curve



## Certifications



Certificado No. CPC-07433-2-B-18  
Esquema 5



Certificado No. CPC-07500-1-B-19  
Esquema 5

## DOCUMENT'S VERIFICATION AND APPROVAL

