Water



with RCM®-H200 compact - NTEP

Singlejet meter

Your benefits

- Utility grade and sustainable technology (robust & high grade wear resistant materials with brass body):
  Excellent measuring stability and reliability over meter lifetime and awareness
- NFC Tap and go:
  Simple commissioning process
- Plug & Play:
  Easy and fast activation in LoRaWAN (no programming required)
- Performance driven design:
  Range up to 25 miles (line of sight)
- Integrated monitoring of connectivity and reconnecting mechanism:
  Robust operation with automatic repair options, e.g. due to gateway failures

Applications

- Manufactured Homes for consumption monitoring of water and identification of critical events

Properties

- Singlejet dry-dial meter with magnetic coupling
- Inlet strainer
- Horizontal or vertical installation
- Sealed register for tamper resistance
- NTEP Approval CC 19-019A2
- NSF/ANSI 61-G & 372 certified and marked
- Meets AWWA C712 accuracy standards in horizontal and vertical position
- Protection class IP68
- LoRaWAN transmission in license free 915 MHz frequency band
- Data security via AES-128-bit end-to-end encryption over 2 independent security layers
- Typical battery lifetime up to 15 years
- ADR (adaptive date rate) support gives higher transmission intervals with consistent battery life

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Technical Data

Nominal pipe size			**3/4“**
Max. operating pressure		**psi**	**230**
Connection thread on meter		Inch	1“ NPSM
Permanent flow rate		**gpm**	**11**
Max. flow rate		gpm	22
Min. flow rate		gpm	0.5
Max. operating temperature		°F	194

Dimensions and weights				
Length without couplings	**A**	**inch**	**5.12**	**7.5**
Height [1]	B	inch	5.2	5.2
Height from pipe centre line [1]	C	inch	4.4	4.4
Installation depth from pipe centre line	W	inch	2.5	2.5
Weight without couplings		lbs	1.79	2.6

1] The dimension B and C increase by 20mm if lid is open

Ambient conditions	
Ambient temperature	+41 °F to +131 °F
Transport & Storage temperature	+5 °F to +149 °F
Register protection class	IP68

Power supply	
Lithium battery (not replaceable)	3 V DC
Typical battery lifetime (depending on environment and configuration conditions)	Up to 15 years

Certified to NSF/ANSI 61-G & 372

Approval	**Uncico2coder MP**
NTEP cold/hot No. CC 19-019A2	■
New York Certificate No. 10766	■
UL2043	■

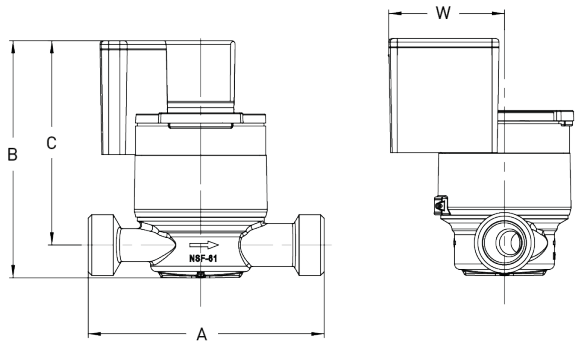
Certifications	**Uncico2coder MP**
NSF/ANSI 61-G & 372 D-Hot / incl. cold	■
LoRa Alliance Certification (1.0.4 spec.)	■

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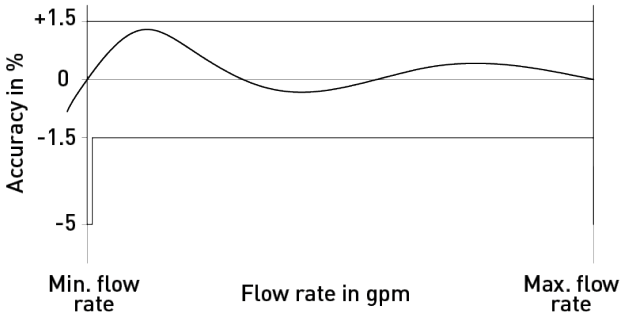
Installation

Pipeline	horizontal	—
	vertical up-flow	↑
	vertical down-flow	↓
Meter head	facing up	↑
	sideways	↔

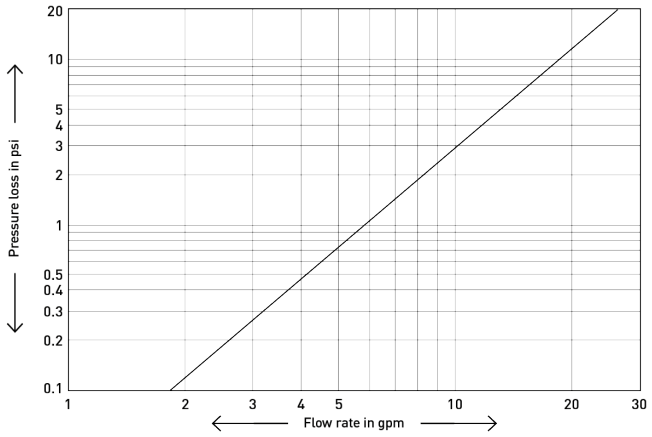
Dimension Diagram



Accuracy chart



Pressure loss chart



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LoRaWAN specifications & Information data package

LoRaWAN specifications	
Regional parameters (Frequency band)	US902-928 MHz ISM Band (902 - 928 MHz)
Transfer protocol (payload)	GWF specific
Radiated power	max. 20 dBm (100 mW)
Class	A
ADR (Adaptive data rate)	Yes
Activation type	OTAA
FC Approval	FCC ID: 28165-RCMH200

Information data package	
DevEUI	70B3D538700000AB
Meter manufacturer[1)]	GWF
Medium[1)]	Water
Meter S/N[1)]	23123456
Absolute meter reading (down to 15 min values)	35.9 US gallons
Remaining battery life	Semester
Alarms	Battery, LoRaWAN link error, Continuous flow / leak, Backflow, Burst pipe, No Usage
Status[1]	Manipulation

1) This data is read directly from the GWFcoder® MP register

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