



WATER METER

BRUNATA MINOMESS SINGLE JET

ACQUIRE A WATER METER THAT CAN ENSURE THAT RESIDENTS ONLY PAY FOR THEIR OWN ACTUAL WATER CONSUMPTION

FEATURES

Brunata Minomess Single Jet is a water meter for measuring the consumption of cold and hot water for individual consumption billing. The water meter has a built-in radio module and can record large amounts of data.

With great accuracy, the water meter can measure very low flows which ensures that the entire consumption is measured. This means that you can guarantee your residents a fair and correct allocation of their consumption, while contributing to reduce the water wastage at the property.

FUNCTIONS

- Single-jet impeller meter
- Low start flow and flow pressure loss
- Compact design
- Rotatable calculator
- Shielded against magnetic fields in accordance with VDDW standard and EN 14154-3

READING OPTIONS

Brunata Minomess Single Jet's built-in radio module enables the meter to be read remotely via Brunata Net, which is a radio network that can be set up in all types of properties. With Brunata Net you are able to access your meters and monitor measurement data via WebMon, which is part of Brunata's Online Services. WebMon allows both residents and the administrator to monitor the development of consumption and consumption patterns.



WHY

- Ensure that residents only pay for their own actual water consumption
- Great accuracy and long battery lifetime
- Brunata takes care of all the work while you save time
- Monitor the property's water consumption online
- Get your property ready for the legal requirements and technical standards of the future

FACTS

- MID approved
- Electronic water meter that transmits data every 24 hours (LoRaWAN) or every 3. minute (w-MBus)
- Single-jet impeller meter
- Available as a hot water meter and a cold water meter
- The meter can be installed horizontally and vertically, and on both riser pipes and down-pipes
- The meter meets the Energy Efficiency Directive's (EED) requirement for remote reading



WATER METER

BRUNATA MINOMESS SINGLE JET



TECHNICAL INFORMATION

APPROVAL

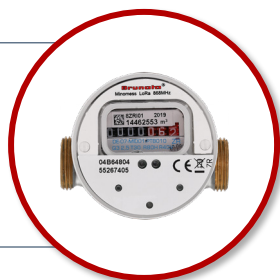
Approvals	DE-07-MI001-PTB010, OIML R49, EN 14154
-----------	---

GENERAL

Temperature range (cold water)	1 ... 30 °C
Temperature range (hot water)	30 ... 90 °C
Nominal pressure	10 bar
Dynamic range (Q_3/Q_1)	R 80 H / R 40 V
Ambient temperature when in use	5 ... 55 °C
Ambient temperature when in storage	1 ... 55 °C
Battery lifetime	Up to 10 years
Protection class	IP 68
Mechanical environmental requirements	M1
Display range	0,1 l ... 9.999 m ³

COMMUNICATION

Frequency	868 MHz
Radio telegramtype	LoRaWAN w-MBus (OMS-kompatibel)
Transmission frequency	Every 24. hours (LoRaWAN) Every 3. minute (w-MBus)



TECHNICAL DATA

Nominal flow rate	Q_3	m ³ /h	2,5	2,5	4
Length without couplings	L	mm	80	110	130
Internal diameter	DN	mm	15	15	20
Overload flow rate	Q_4	m ³ /h	3,125*	3,125*	5*
Transitional flow rate horizontal	Q_2	l/h	50*	50*	80*
Minimum flow horizontal	Q_1	l/h	31*	31*	50*
Start flow horizontal		l/h	10	10	14
Pressure loss at Q_3	Q_3	bar	0,63	0,63	0,63

(*) at R 80

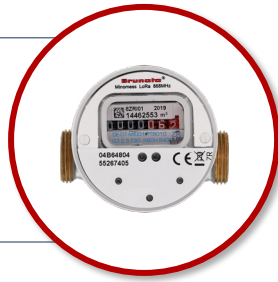
DIMENSIONS

Meter thread		inch	G $\frac{3}{4}$ B	G $\frac{3}{4}$ B	G1B
Coupling thread		inch	R $\frac{1}{2}$	R $\frac{1}{2}$	R $\frac{3}{4}$
Height (with radio module)	H1	mm	78	78	81
Diameter	\varnothing	mm	64	64	64
Weight without couplings		kg	0,4	0,44	0,54

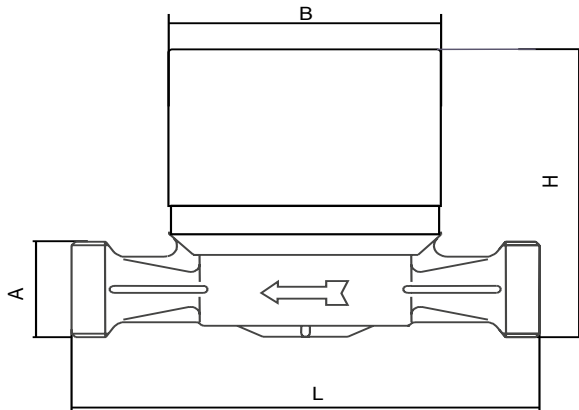


WATER METER

BRUNATA MINOMESS SINGLE JET

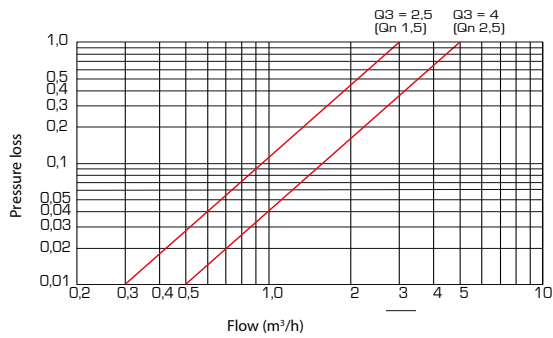


DIMENSIONS



PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH

Pressure loss graph



Typical error graph

