

MNK-N-FA

Multi-jet wet dial meters for cold water in a downpipe design

The MNK-N-FA water meter is designed for downpipe installation and guarantees an uncomplicated calibration replacement. The register of the FA variants also works in horizontal position.

The current state of development guarantees the most precise measurement results, minimal bearing load and a long service life.

The meter is equipped with a reed switch interface as standard.



M-Bus

LoRaWAN

Performance characteristics at a glance

- Multi-jet wet dial meter
- Water meter for downpipe installation
- Register cap made of UV-resistant plastic
- Brass body according to Federal Environment Office (UBA) list
- Operating pressure MAP 16
- Approved in accordance with MID

Applications

- For the consumption measurement of cold and clean drinking water or service water up to 50 °C

AMR options

- Serially equipped with communication interface for PDC-module (PulseDataCapture):
 - PDC-wireless M-Bus radio module according to OMS-Standard (868 MHz), EN 13757-5
 - PDC-LPWAN-Radio module for LoRaWAN®
- Retrofittable with pulser
 - Standard resolution 10 l/pulse

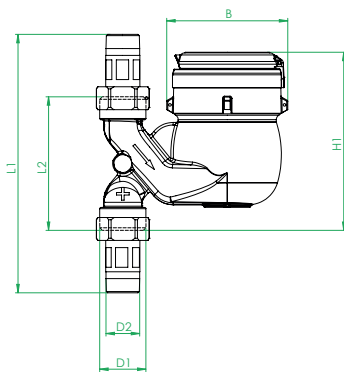
Technical data			
Permanent Flowrate	Q_3	m ³ /h	4
Attainable measuring range	Q_3/Q_1	R	200H
Standard measuring range ¹	Q_3/Q_1	R	80H
Overload Flowrate ²	Q_4	m ³ /h	5
Transitional flowrate ²	Q_2	l/h	80
Minimum flowrate ²	Q_1	l/h	50
Start-up flow rate	-	l/h	<5
Display range	min.	l	0.1
	max.	m ³	99999
Temperature range	-	°C	0.1 - 50
Operating pressure. max.	MAP	bar	0.3 - 16
Pulse value		l/pulse	10
Pressure loss	Δp	-	$\Delta 0.63$
Mechanical environmental condition	-	-	M2
Climatic condition ³	-	°C	5 - 55
Flow profile sensitivity	-	-	U0/D0

Dimensions and weights:			
Nominal diameter	DN	mm	20
		inch	3/4"
Overall length without connectors ¹	L2	mm	105
Overall length with connectors approx.	L1	mm	201
Thread meter G x B	D1	inch	1"
Thread connector R x	D2	inch	3/4"
Width approx.	B	mm	95
Height approx.	H1	mm	140
Weight approx.	-	kg	1.7

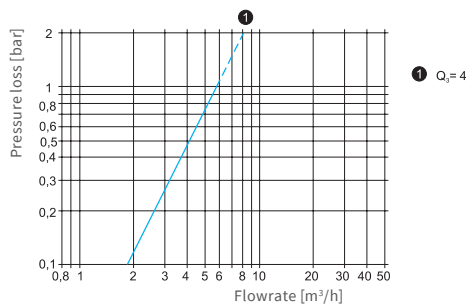
¹Other measuring ranges (R) on request

²The data refer to the standard measuring range

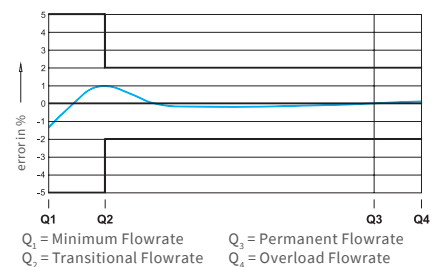
³Condensation possible



Dimensions



Typical pressure loss curve



Typical error curve

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