

MNK-MF-N Manifold

Multi-jet wet dial meters for cold water

The MNK-MF-N is a MID-compliant, dry dial water meter for Manifold service connection.

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.

The interface enables remote reading of the meter data via PDC radio module with LoRaWAN® or wM-Bus (according to OMS).



Performance characteristics at a glance

- Multi-jet wet dial meter
- For horizontal 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 13757-4
 - PDC- LPWAN-Radio module for LoRaWAN®
- Retrofittable with pulser
 - Standard resolution 10 l/pulse
 - Optional 100 L/pulse

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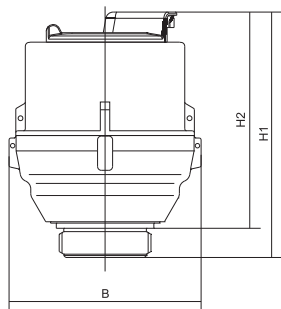
Technical data				
Permanent Flowrate	Q_3	m ³ /h	2.5	4
Comparable to permanent flowrate (EEC)	Q_n	m ³ /h	1.5	2.5
Attainable measuring range ¹	Q_3/Q_1	Ratio	R80H	R160H
Comparable to metrological class (EEC)	Class	-	B-H	C-H
Overload Flowrate	Q_4	m ³ /h	3.13	5
Transitional flowrate ²	Q_2	l/h	50	40
Minimum flowrate ²	Q_1	l/h	31.25	25
Start-up flow rate		l/h	< 5	< 5
Display range	min.	l	0.1	0.1
	max.	m ³	99999	99999
Temperature range	-	°C	0.1 - 50	0.1 - 50
Operating pressure	MAP	bar	0.3 - 16	0.3 - 16
Pulse value		l/pulse	10/100	10/100
Pressure loss at Q_3	Δp	bar	$\Delta 0.63$	$\Delta 0.63$
Mechanical environmental condition	-	-	M2	M2
Climatic Condition ³	-	°C	5 - 55	5 - 55
Flow profile sensitivity	-	-	U0/D0	U0/D0

Dimensions and weights:				
Nominal diameter	DN	mm	20	20
		inch	5/4"	5/4"
Thread meter G x B	D1	inch	1 1/2"	1 1/2"
Width approx.	B	mm	103	103
Height approx.	H1	mm	128	128
	H2	mm	113	113
Weight approx.	-	kg	1.4	1.4

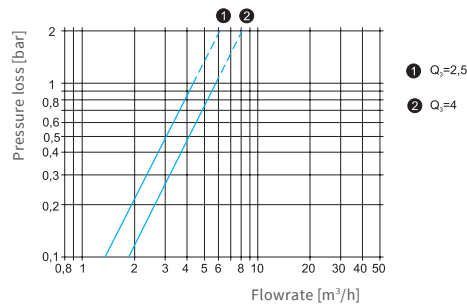
¹ Standard measuring range. other measuring ranges on request

² The data refer to the standard measuring range

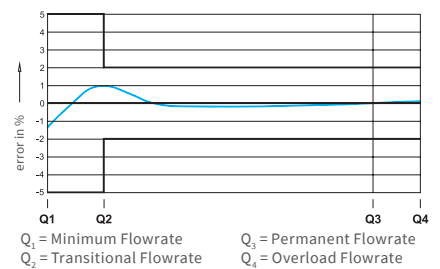
³ Condensation possible



Dimensions



Typical pressure loss curve



Typical error curve

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