

Domestic Water Meter

Elin Wasserwerkstechnik



Water Meter MNM for cold water



Features

- Nominal diameter DN15 to DN50
- Cold water up to 30°C (safe up to 50°C)
- Operating pressure up to 16 bar
- Control pressure 25 bar
- Horizontal installation
- Wet dial multi-jet wheel cold water meter
- Metrological class B and C (Qn1.5 and 2.5)
- Very good initial sensibility
- Excellent measuring results and long stability
- The cover lens is made of hardened class
- Inset filter
- Possibility for internal flow restrictor utilization
- The smallest reading value of the counter device is 0.05 litre
- Plastic based coating of high strength ensures corrosion protection

DIEHL
Hydrometer Gruppe

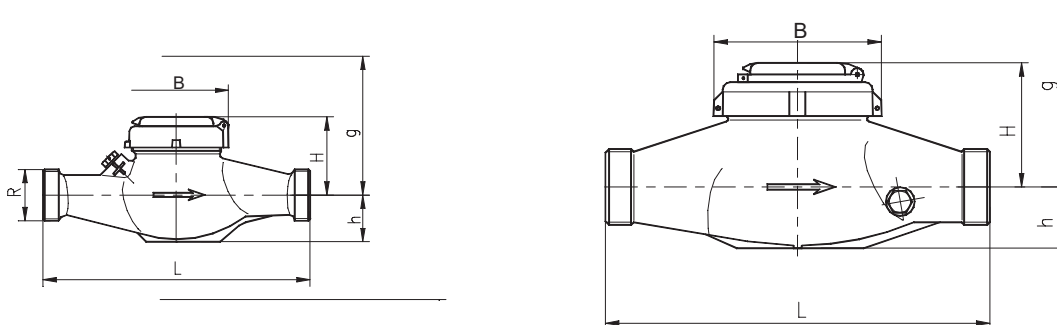


Water Meter MNM for cold water

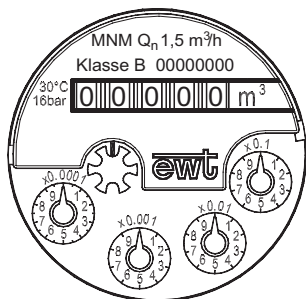
Type	MNM									
Nominal diameter	DN mm	15	20	25	32	32	40	50		
Nominal volumetric flowrate	Q_n m ³ /h	1.5	2.5	3.5	5	6	10	15		
Maximal volumetric flowrate	Q_{max} m ³ /h	3	5	7	10	12	20	30		
Flowrate at $\Delta P=1\text{bar}$	m ³ /h	4.5	5.6	13	13	13	24.5	31.5		
Transitional volumetric flowrate	Q_t l/h	22.5	120	37.5	200	280	400	480	800	3,000
Minimal volumetric flowrate	Q_{min} l/h	15	30	25	50	70	100	120	200	450
Initial sensibility	l/h	<8	<10	<8	<10	<15	<15	<15	<45	<45
Metrological class		C	B	C	B				B	
Displayed min. quantity	l	0.05								
Displayed max. quantity	m ³	99 999								
Built-in length	L mm	165	190	260	260	260	300	270		
Connecting thread	R zoll	G 3/4	G 1	G 1 1/4	G 1 1/2	G 1 1/2	G 2	G 2 1/2		
Sizes	H mm	75	75	76	76	76	85	120		
	h mm	36	38	45	45	45	45	51		
	g mm	167	167	168	168	168	177	200		
Width	B mm	98	98	102	102	102	130	130		
Mass	kg	1.55	1.8	2.7	3.0	3.0	5.2	7.0		

Minor technical changes may occur in the course of further development.

Overall dimensions:



Dial:



Material:

Meter body:	Brass
Counter device:	Plastic
Cover lens:	Hardened glass
Other applied material:	Stainless steel

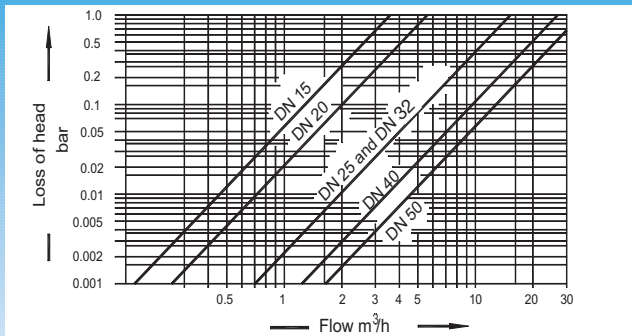
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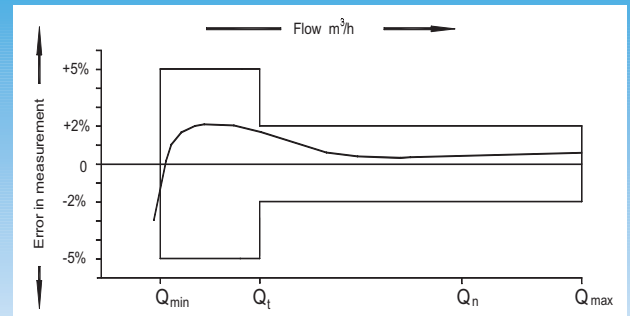


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Head loss graph MNM



Typical error graph MNM



Measuring error curve:

Error limits: In the upper measuring range between Q_{max} and Q_t $\pm 2 \%$
 In the lower measuring range between Q_t and Q_{min} $\pm 5 \%$