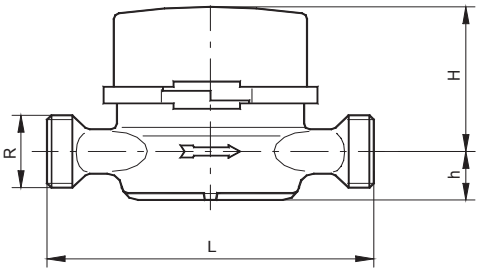
DOMESTIC WATER METERS

ETM 30°+90° Q_n1,5 / 2,5 m³/h

Description:

The EWT water meters make possible to read the quantity of effectively used up water and contribute to the correct establishement of the costs. Thus, water costs can be invoiced by flats. In order to ensure high measurement accuracy during the working time, installation must be carried out carefully. Our experts are entirely at your service for design.

Overall dimensions:



	Cold	Warm
Max. water temperature	30°C	90°C
Max. working pressure	16 bar	16 bar
Control pressure	25 bar	25 bar

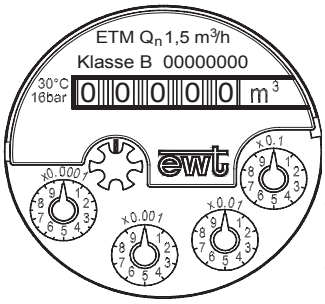
The excellent features of flat water meters:

- ❑ Dry dial single jet water meter
- ❑ Horizontal and vertical installation
- ❑ With protection against magnetic manipulation
- ❑ Hermetically sealed counter
- ❑ The counter device can be turned in 360° for easy reading
- ❑ The smallest reading value of the counter is 0,05 litre
- ❑ The meters can be supplied with pulse output for output signal
- ❑ Insered filter.
- ❑ Possibility for internal flow restrictor utilization.
- ❑ The meters have got EEC approval

Water meter appliances:

2 Nuts
2 Pipes
2 Gasket rings

Dial:



Material:

Meter body	Brass
Dial plate	Plastic
Clamp ring	Brass
Magnetic clutch	anisotrop, hard ferrit. Ferrit-Oxid 300
Vane wheel axle	Stainless steel
Bearing pin	Sapphire
Vane wheel	Plastic
Cover	Plastic

Nominal volumetric flowrate	m³/h	Qn 1,5			Qn 2,5	
DN	mm	15			20	
Built-in length	mm	80	110	130	110	130
The joint thread of the meter	Zoll	G3/4	G3/4	G3/4	G1	G1
Sizes H	mm	52	52	52	52	52
h	mm	17	17	17	17	17
Mass	kg	0,45	0,48	0,5	0,52	0,54

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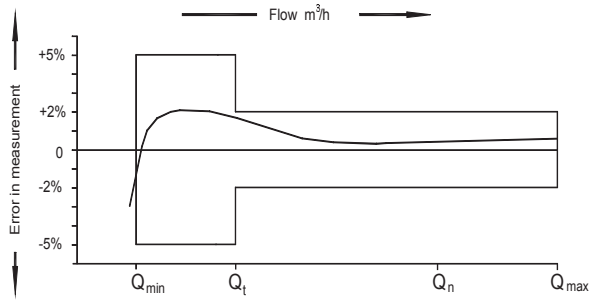
Metrological class			B horizontal built-in	A vertical built-in	B horizontal built-in	A vertical built-in
Nominal volumetric flowrate	Q_n	m³/h	1,5		2,5	
Maximal volumetric flowrate	Q_{max}	m³/h	3		5	
Flowrate ΔP = 1bar		m³/h	3,2		5,1	
Transitional volumetric flowrate	Q_t	l/h	120	150	200	250
Minimal volumetric flowrate	Q_{min}	l/h	30	60	50	100
Initial sensibility		l/h	<8		<8	
Display min. quantity		l	0,05			
max.		m³	99 999			
Pulser						
Impulse values		litre/imp.	10 or 100			
Switching component			Reed switch, plug type			
Switch protection Reed			Switching voltage U_{max} = 100V AC/DC Switching current I_{max} = 0,5 A Switching power P_{max} = 0,2 W			
Pulse duration			depending on flow in the meter at meter stop continuos pulse possible			
Protection			IP 65			

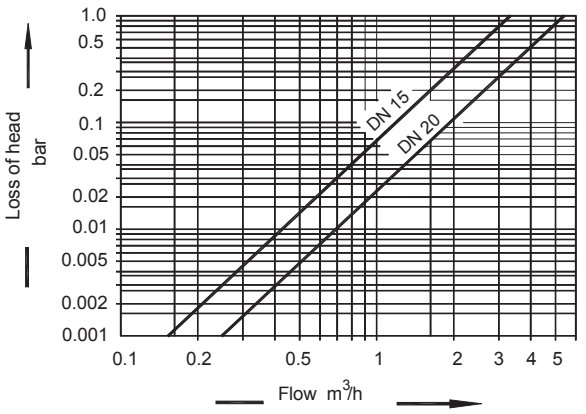
Measuring error curve:

Cold water meter
Error limits: In the upper measuring range between Qmax and Qt ± 2 %
In the lower measuring range between Qt and Qmin ± 5 %

Warm water meter
Error limits: In the upper measuring range between Qmax and Qt ± 3 %
In the lower measuring range between Qt and Qmin ± 5 %



Pressure loss graph:



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