

BONYTO R-MK COMPOSITE 116

Rotary Piston Meter

DIEHL
Metering



APPLICATION

Domestic water meter

FEATURES

- ▶ Modular rotary piston domestic meter
- ▶ Housing and screw head made of composite are confirm with the Drinking water Ordinance
- ▶ System capability, with standard applicable pulse output 1 l/pulse. BONYTO can be externed in any way - with IZAR RADIO COMPACT 868 (radio module) or IZAR PULSE H (pulse transmitter)
- ▶ Low starting flow (approx. 2 l/h) permits recording of very small amounts of water
- ▶ Large measuring range
- ▶ Self-cleaning measuring chamber removes sedimentation or polluted water
- ▶ Encapsulated roller counter unit rotatable by 350°
- ▶ Patented anti-condensation counter window for reliable reading
- ▶ No inlet section necessary
- ▶ Outlet prepared for installing a non-return valve (DVGW approved)

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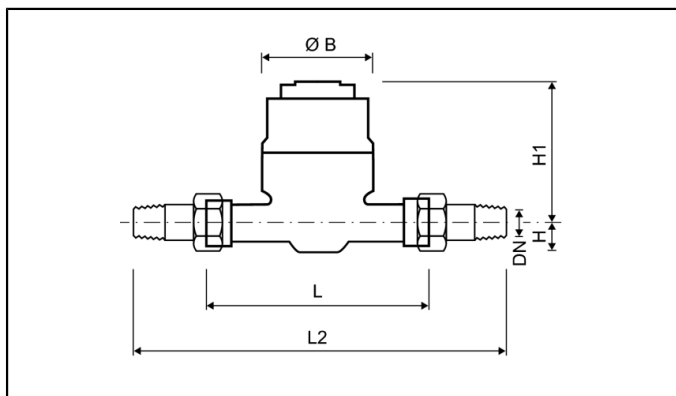
GENERAL

BONYTO R-TK COMPOSITE 116			
Medium temperature range	°C	0 ... 30	
Temperature safety	°C	0 ... 50	
Ambient operating temperature	°C	0 ... 55	
Ambient storage temperature	°C	0 ... 55	
Nominal pressure	PN	bar	16
Display range	8-digit, 0.001 l ... 99,999 m ³		
Pulse value	l/pulse 1		
Approval	EC D 00 / 6.123.09		
Metrological class	A / B / C		
Protection class	IP 65		

TECHNICAL DATA

Nominal flow rate	Q _n	m ³ /h	2.5
Nominal diameter	DN	mm	20
Maximum flow rate (short-term)	Q _{max}	m ³ /h	5
Transition flow rate	Q _t	l/h	12
Minimum flow rate	Q _{min}	l/h	6
Starting flow rate		l/h	2
Pressure loss at Q _{max}		bar	1
Flow rate at 1 bar pressure loss		m ³ /h	5

DIMENSIONS

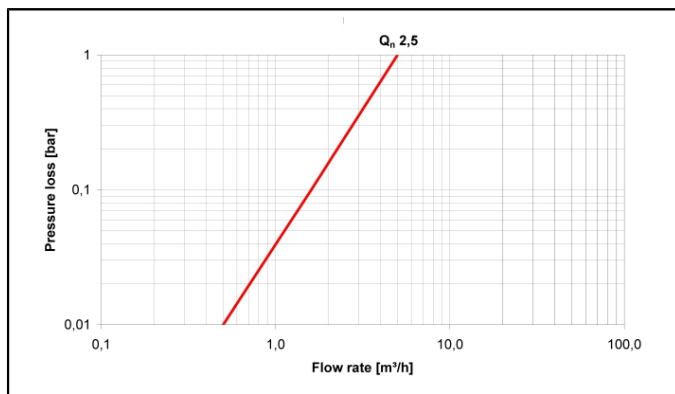


Nominal flow rate	Q _n	m ³ /h	2.5
Nominal diameter	DN	mm	20
Overall length (DIN ISO 4064)	L	mm	190
Overall length with coupling	L2	mm	288
Connection thread on meter		Inch	G1B
Connection thread of coupling		Inch	R ³ / ₄
Height	H	mm	27
Height	H1	mm	130
Diameter	Ø B	mm	95
Weight without coupling		kg	0.69
Weight with coupling		kg	0.99

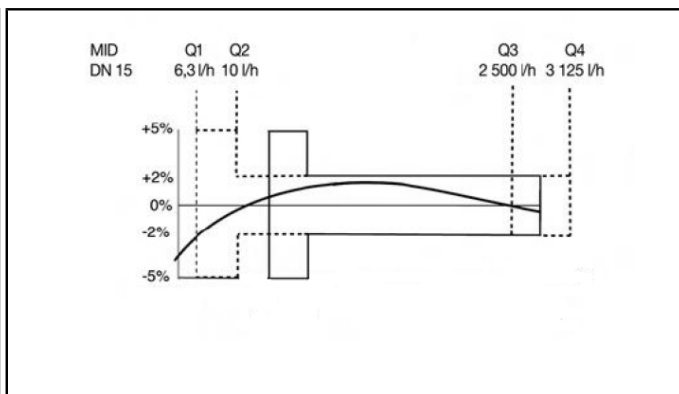
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PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph