

CORONA MCI 108

MULTI-JET METER | WET RUNNER



APPLICATION

Domestic water meter

FEATURES

- Modular multi-jet domestic capsule meter with inductive scanning (without magnetic influence)
- System capability, with standard applicable pulse output 1 l/pulse (inductive). CORONA MCI can be externed in any way - with IZAR RADIO COMPACT 868 I (radio module) or IZAR PULSE I (pulse transmitter)
- Only the complete measuring insert needs to be replaced regularly at the end of the calibration period - the meter housing remains fitted in the pipeline
- With composite screw head. Advantage: lower adhesion, no deposit, lower weight
- For easier reading, the zero point of the dial can be adapted to the direction of flow by turning the measuring capsule 90° to either side during installation
- A DIN DVGW-approved non-return valve can be installed in the meter housing as option
- Mounting position - housing horizontal: horizontal (R 40 - 160) and vertical (R 40)
- Mounting position - housing rising pipe: vertical (R 40 - 160)

GENERAL

Meter for horizontal pipes			
Medium temperature range	°C	1 ... 30	
Temperature safety	°C	1 ... 50	
Ambient operating temperature	°C	1 ... 55	
Ambient storage temperature	°C	1 ... 55	
Nominal pressure	PN	bar	16
Display range	0.05 l ... 99,999 m ³		
Pulse value	l/pulse 1		
Protection class	IP 68		

TECHNICAL DATA

Nominal diameter	DN	mm	15	20
Permanent flow rate	Q ₃	m ³ /h	2.5	4
Overload flow rate	Q ₄	m ³ /h	3.125	5
Transitional flow rate	Q ₂	l/h	40	40
Minimum flow rate	Q ₁	l/h	25 ²	25 ³
Starting flow rate		l/h	4	6
Dynamic range horizontal installation (Q ₃ /Q ₁)	R		40 / 80 / 100	40 / 80 / 100 / 160
Dynamic range vertical installation (Q ₃ /Q ₁)	R		-	40
Dynamic range (Q ₂ /Q ₁)			1.6	1.6
Pressure loss at Q ₃		bar	0.45	0.6
Flow rate at 1 bar pressure loss ¹		m ³ /h	3.3	6.5

¹ without non-return valve² based on R 100³ based on R 160

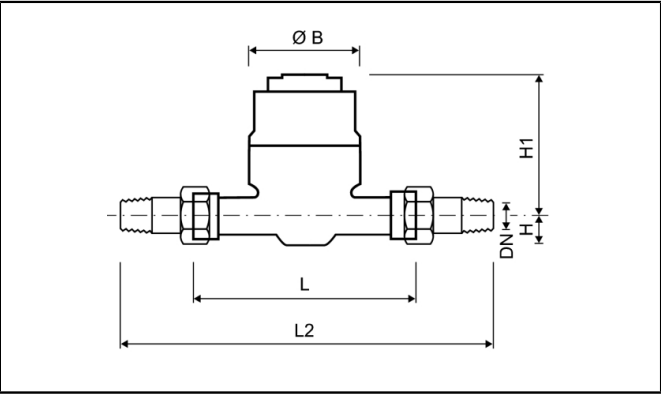
APPROVAL

Meter for horizontal pipes	
MID approval	MID TH 8629

REACH

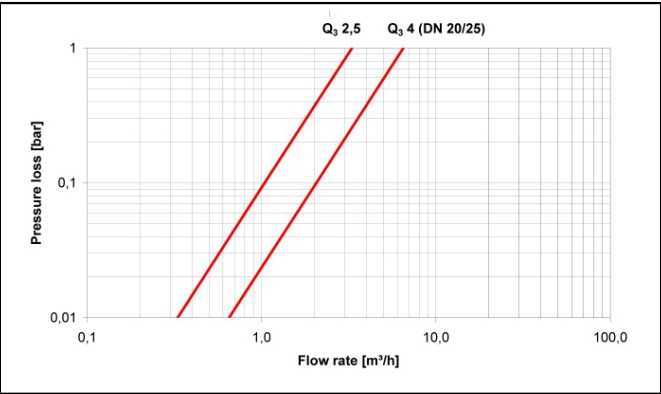
Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:
This product series contains articles with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead

DIMENSIONS

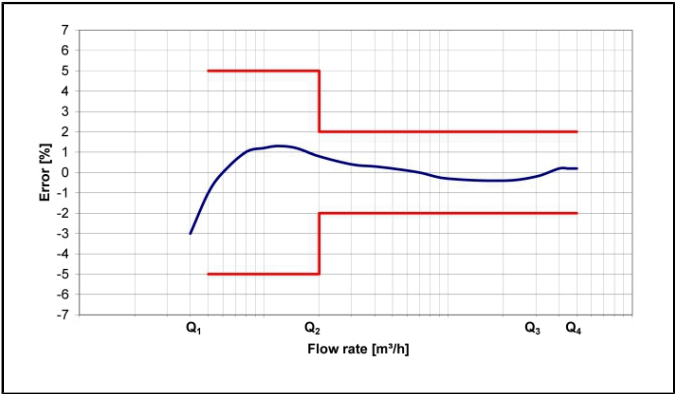


Nominal diameter	DN	mm	15	20
Permanent flow rate	Q ₃	m ³ /h	2.5	4
Overall length (DIN ISO 4064)	L	mm	165 / 170	190
Overall length with coupling	L2	mm	245	288
Connection thread on meter (ISO 228/1)		Inch	G ³ / ₄ B	G1B
Connection thread of coupling (DIN 2999)		Inch	R ¹ / ₂	R ³ / ₄
Height	H	mm	22	22
Height	H1	mm	117	117
Height to remove measuring insert		mm	200	200
Diameter	Ø B	mm	95	95
Width	A	mm		-
Weight without coupling		kg	1.15	1.2
Weight with coupling		kg	1.4	1.6

PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

GENERAL

Meter for rising pipes			
Medium temperature range	°C	1 ... 30	
Temperature safety	°C	1 ... 50	
Ambient operating temperature	°C	1 ... 55	
Ambient storage temperature	°C	1 ... 55	
Nominal pressure	PN	bar	16
Display range	0.05 l ... 99.999 m ³		
Pulse value	l/pulse 1		
Protection class	IP 68		

TECHNICAL DATA

Nominal diameter	DN	mm	20
Permanent flow rate	Q ₃	m ³ /h	4
Overload flow rate	Q ₄	m ³ /h	5
Transitional flow rate	Q ₂	l/h	40
Minimum flow rate	Q ₁	l/h	25 ²
Starting flow rate		l/h	6
Dynamic range (Q ₃ /Q ₁)	R		40 / 80 / 100 / 160
Dynamic range (Q ₂ /Q ₁)			1.6
Pressure loss at Q ₃		bar	0.6
Flow rate at 1 bar pressure loss ¹		m ³ /h	5.8

¹ without non-return valve² based on R 160

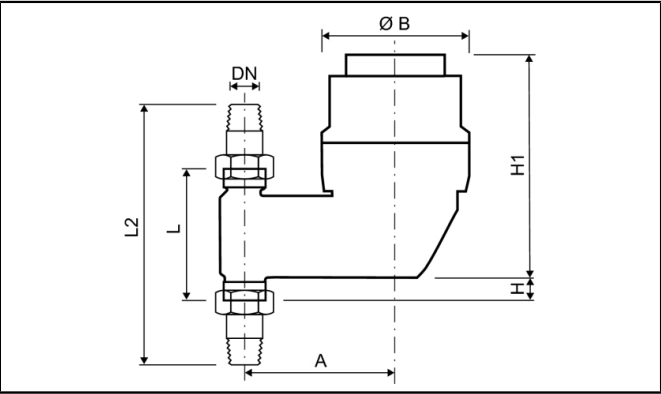
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Meter for rising pipes	
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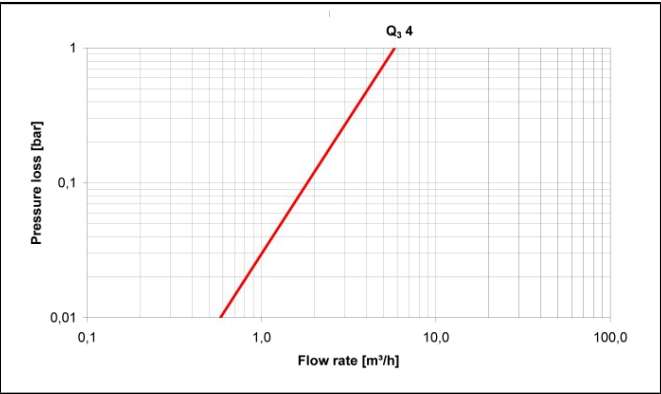
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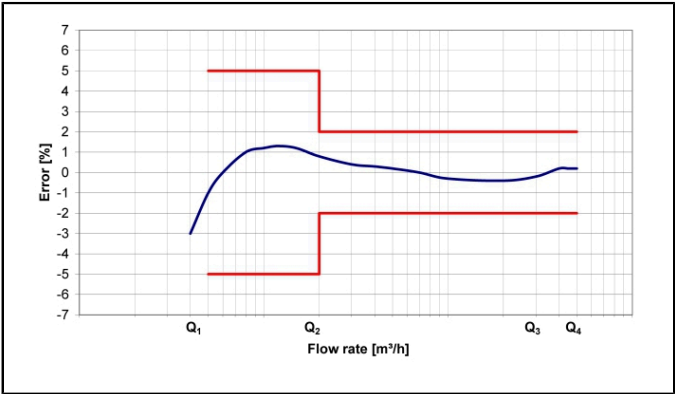


Nominal diameter	DN	mm	20
Permanent flow rate	Q ₃	m ³ /h	4
Overall length (DIN ISO 4064)	L	mm	105
Overall length with coupling	L2	mm	203
Connection thread on meter (ISO 228/1)		Inch	G1B
Connection thread of coupling (DIN 2999)		Inch	R¾
Height	H	mm	27
Height	H1	mm	145
Height to remove measuring insert		mm	200
Diameter	Ø B	mm	95
Width	A	mm	95
Weight without coupling		kg	1.6
Weight with coupling		kg	2

PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

Diehl Metering GmbH
Donaustraße 120
90451 Nürnberg
Germany
Phone: +49 911 6424-0
metering-germany-info@diehl.com
www.diehl.com/metering

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