CORONA MCI 108

Multi-Jet Meter | Wet Runner

DIEHL
Metering

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)

CORONA MCI 108 Meter for horizontal pipes

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GENERAL

			Meter for horizontal pipes
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			0.05 l ... 99,999 m³
Pulse value		l/pulse	1
Approval			MID TH 8629
Protection class			IP 68

TECHNICAL DATA

Nominal diameter	DN	mm	15	20
Permanent flow rate	Q_3	m³/h	2.5	4
Overload flow rate	Q_4	m³/h	3.125	5
Transitional flow rate	Q_2	l/h	40	40
Minimum flow rate	Q_1	l/h	25**	25***
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*		m³/h	3.3	6.5

* Without non-return valve
** Based on R 100
*** Based on R 160

Diehl Metering GesmbH • Hainburger Strasse 33 • A-1030 Wien • Austria
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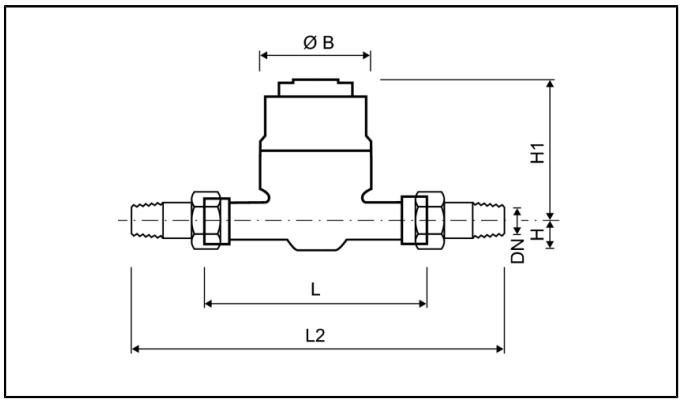
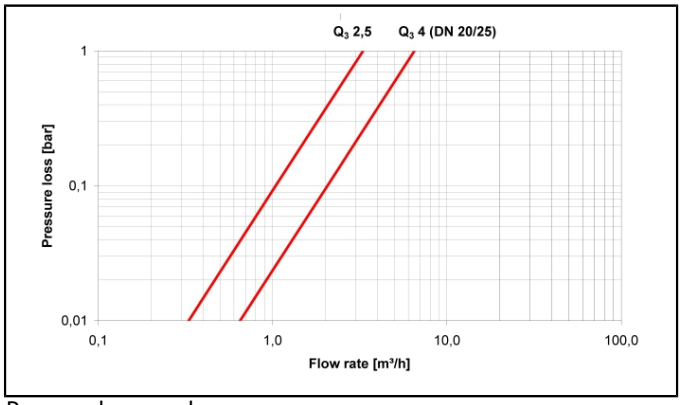
DIMENSIONS

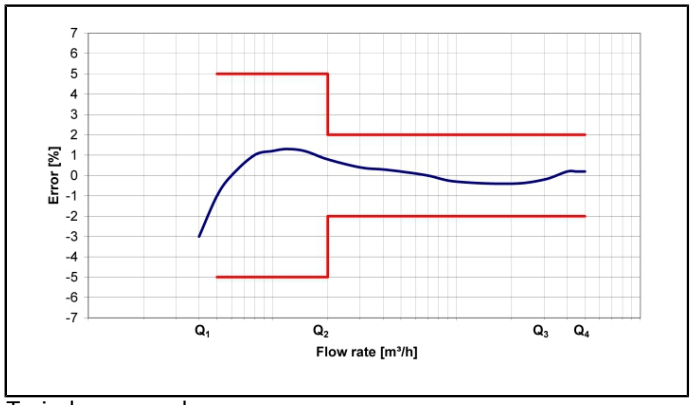


Nominal diameter	DN	mm	15	20
Permanent flow rate	Q_3	m³/h	2.5	4
Overall length (DIN ISO 4064)	L	mm	165 / 170	190
Overall length with coupling	L2	mm	245	288
Connection thread on meter (ISO 228/1)		Inch	G¾B	G1B
Connection thread of coupling (DIN 2999)		Inch	R½	R¾
Height	H	mm	22	22
Height	H1	mm	117	117
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

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CORONA MCI 108 Meter for rising pipes

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GENERAL

			Meter for rising pipes
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			0.05 l ... 99.999 m³
Pulse value		l/pulse	1
Approval			MID TH 8629
Protection class			IP 68

TECHNICAL DATA

Nominal diameter	DN	mm	20
Permanent flow rate	Q_3	m³/h	4
Overload flow rate	Q_4	m³/h	5
Transitional flow rate	Q_2	l/h	40
Minimum flow rate	Q_1	l/h	25**
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*		m³/h	5.8

* Without non-return valve
** Based on R 160

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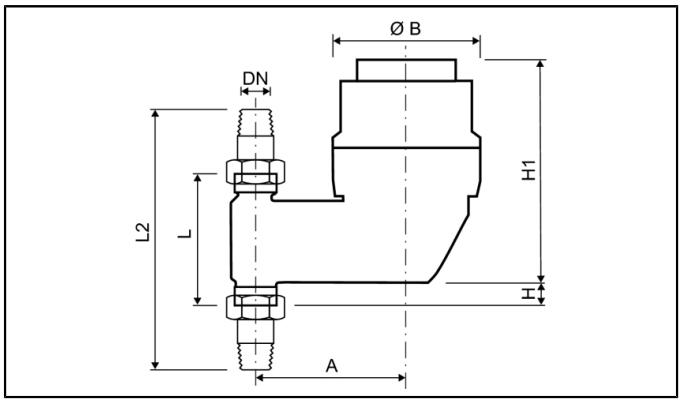
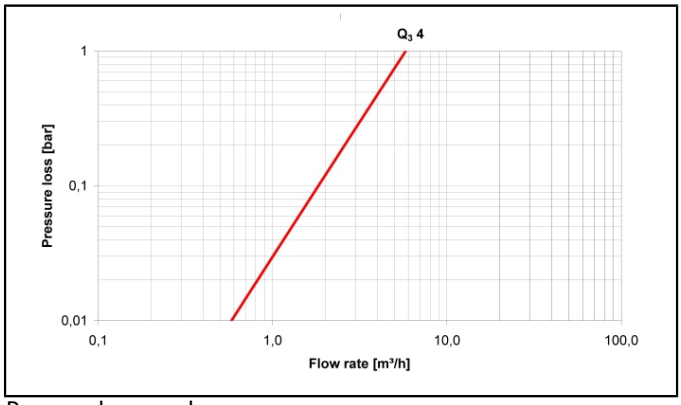
DIMENSIONS

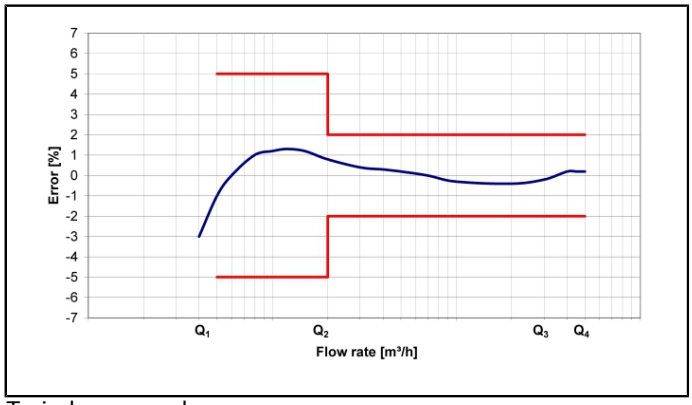


Nominal diameter	DN	mm	20
Permanent flow rate	Q_3	m³/h	4
Overall length (DIN ISO 4064)	L	mm	105
Overall length with coupling	L2	mm	203
Connection thread on meter (ISO 228/1)		Inch	G1B
Connection thread of coupling (DIN 2999)		Inch	R¾
Height	H	mm	27
Height	H1	mm	145
Height to remove measuring insert		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

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