DIEHL
Metering

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 valve
[2] based on R 100
[3] based on R 160

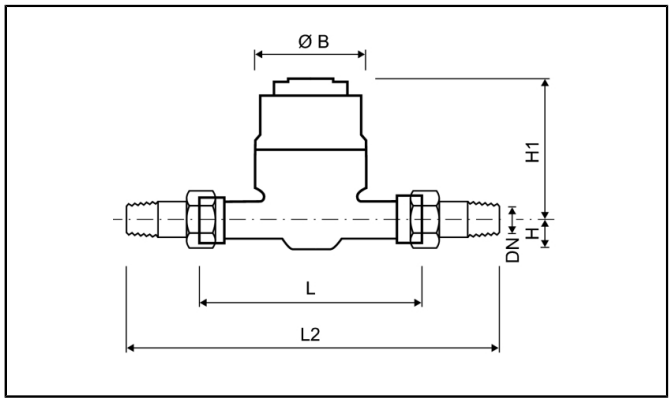
APPROVAL

	Meter for horizontal pipes
MID approval	MID TH 8629
Sanitary conformity	AoC DEU

REACH

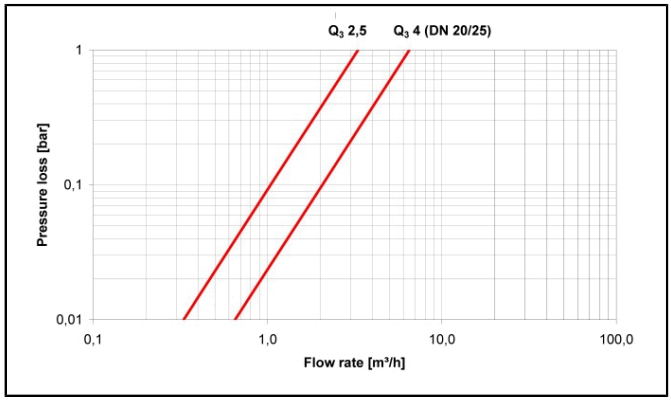
Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:
This product series contains articles with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead

DIMENSIONS

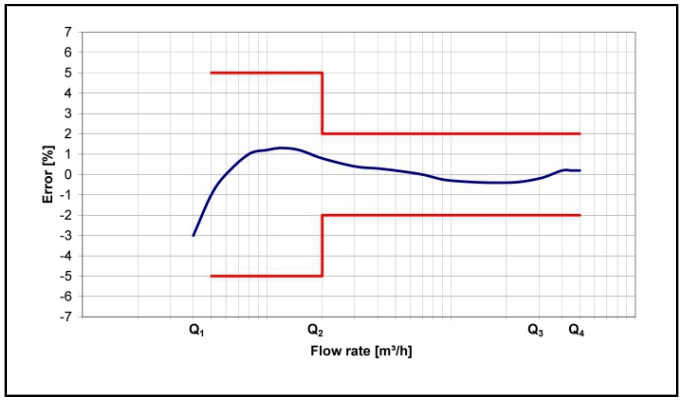


Nominal diameter	DN	mm	15	20
Permanent flow rate	Q_3	m^3/h	2.5	4
Overall length (DIN ISO 4064)	L	mm	165 / 170	190
Overall length with coupling	L2	mm	245	288
Connection thread on meter (ISO 228/1)		Inch	G¾B	G1B
Connection thread of coupling (DIN 2999)		Inch	R½	R¾
Height	H	mm	22	22
Height	H1	mm	117	117
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

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 valve
[2] based on R 160

APPROVAL

	Meter for rising pipes
MID approval	MID TH 8629
Sanitary conformity	AoC DEU

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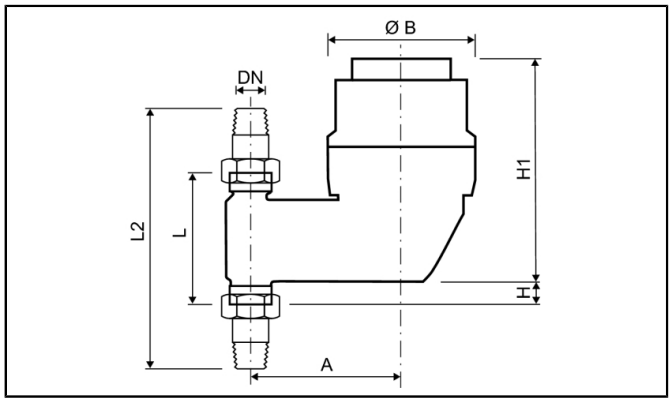
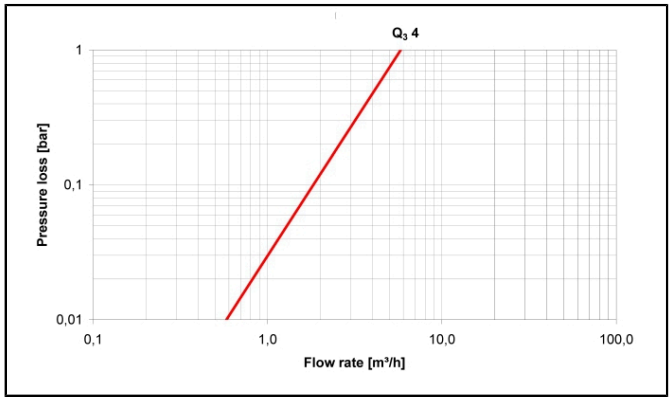
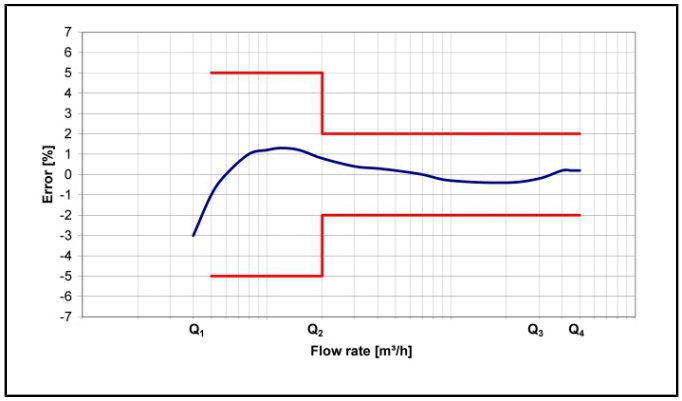


Nominal diameter	DN	mm	20
Permanent flow rate	Q_3	m^3/h	4
Overall length (DIN ISO 4064)	L	mm	105
Overall length with coupling	L2	mm	203
Connection thread on meter (ISO 228/1)		Inch	G1B
Connection thread of coupling (DIN 2999)		Inch	R¾
Height	H	mm	27
Height	H1	mm	145
Height to remove measuring insert		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.

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