DIEHL
Metering

# CORONA MCI COMPOSITE 108

## MULTI-JET METER | WET RUNNER

### APPLICATION

Domestic water meter

### FEATURES

- Modular compact multi-jet domestic meter with inductive scanning (without magnetic influence)
- Housing and screw head made of composite are confirm with the Drinking water Ordinance
- Resistant against dirt and aggressive water
- 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)
- Mounting position: horizontal (R 40 - 160), rising pipe / downpipe (R 40)
- Extremely low pressure loss and considerably extended measuring range
- Records very small amounts of water consumption
- Maximum long-term accuracy and absolutely corrosion-resistant
- Measuring data better than specified by calibration regulations
- Capable of withstanding any load for a short time
- Outlet prepared for installing a non-return valve (DVGW approved)

## GENERAL

| | | | CORONA MCI COMPOSITE 108 |
|---|---|---|---|
| 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

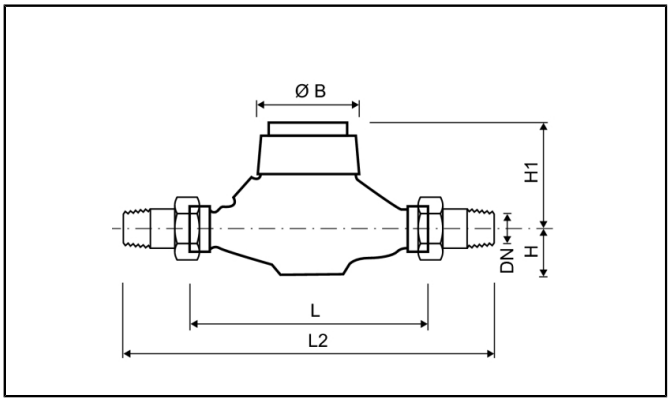
| Nominal diameter | DN | mm | 20 |
|---|---|---|---|
| Permanent flow rate | $Q_3$ | $m^3/h$ | 4 |
| Overload flow rate | $Q_4$ | $m^3/h$ | 5 |
| Transitional flow rate | $Q_2$ | l/h | 40 |
| Minimum flow rate | $Q_1$ | l/h | 25[1] |
| Starting flow rate | | l/h | 6 |
| Pressure loss at $Q_3$ | | bar | 0.6 |
| Flow rate at 1 bar pressure loss | | $m^3/h$ | 6.5 |

[1] based on R 160

## APPROVAL

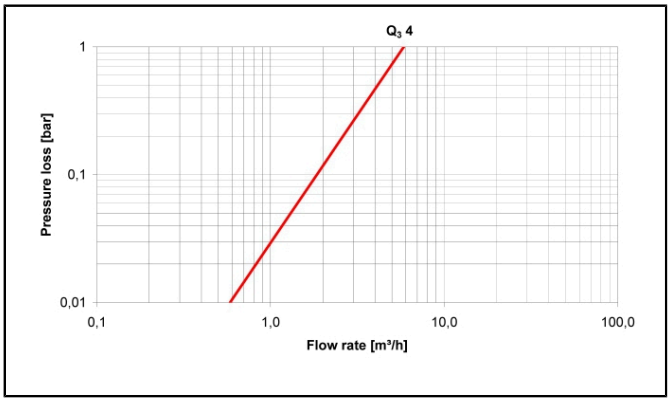
| Nominal diameter | DN | mm | 20 |
|---|---|---|---|
| Permanent flow rate | $Q_3$ | $m^3/h$ | 4 |
| MID | | | TH 8629 |
| Sanitary conformity | | | AoC DEU |
| Dynamic range horizontal installation ($Q_3/Q_1$) | R | | 40 / 80 / 100 / 160 |
| Dynamic range vertical installation ($Q_3/Q_1$) | R | | 40 |

## DIMENSIONS

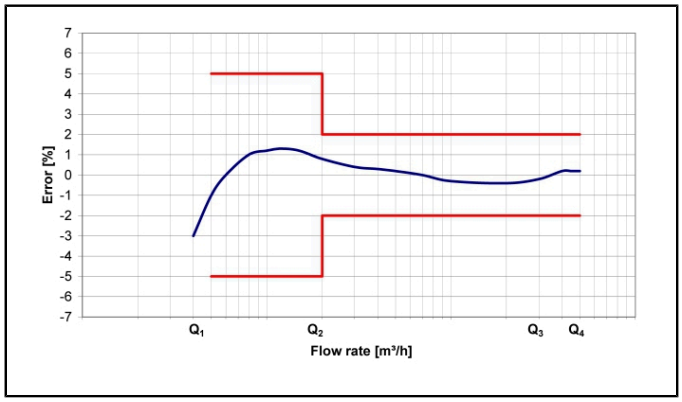



| Nominal diameter | DN | mm | 20 |
|---|---|---|---|
| Permanent flow rate | $Q_3$ | $m^3/h$ | 4 |
| Overall length (DIN ISO 4064) | L | mm | 190 |
| Overall length with coupling | L2 | mm | 288 |
| Connection thread on meter (ISO 228/1) | | Inch | G1B |
| Connection thread of coupling (DIN 2999) | | Inch | R¾ |
| Height | H | mm | 27 |
| Height | H1 | mm | 105 |
| Diameter | Ø B | mm | 95 |
| Weight without coupling | | kg | 0.62 |
| Weight with coupling | | kg | 0.92 |

## 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

EMPOWER A SUSTAINABLE FUTURE