REF. 2741 CDEVOEF

COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

Cold water meter single jet MID R80 dry rotating dial for water distribution.
Horizontal or vertical position without straight length upstream and downstream needed (U0/D0).
Ready for optional Wireless B-Bus or Wired M-Bus module.

Size :	DN15 to DN20
Connection :	Male BSP
Min Temperature :	+0°C
Max Temperature :	+50°C
Max Pressure :	16 Bars
Specifications :	Single jet Rotating dial Dry dial Magnetic transmission
Materials :	Brass body CW617N-4MS according to EN 12165

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Information provided as an indication and subject to possible modification

COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

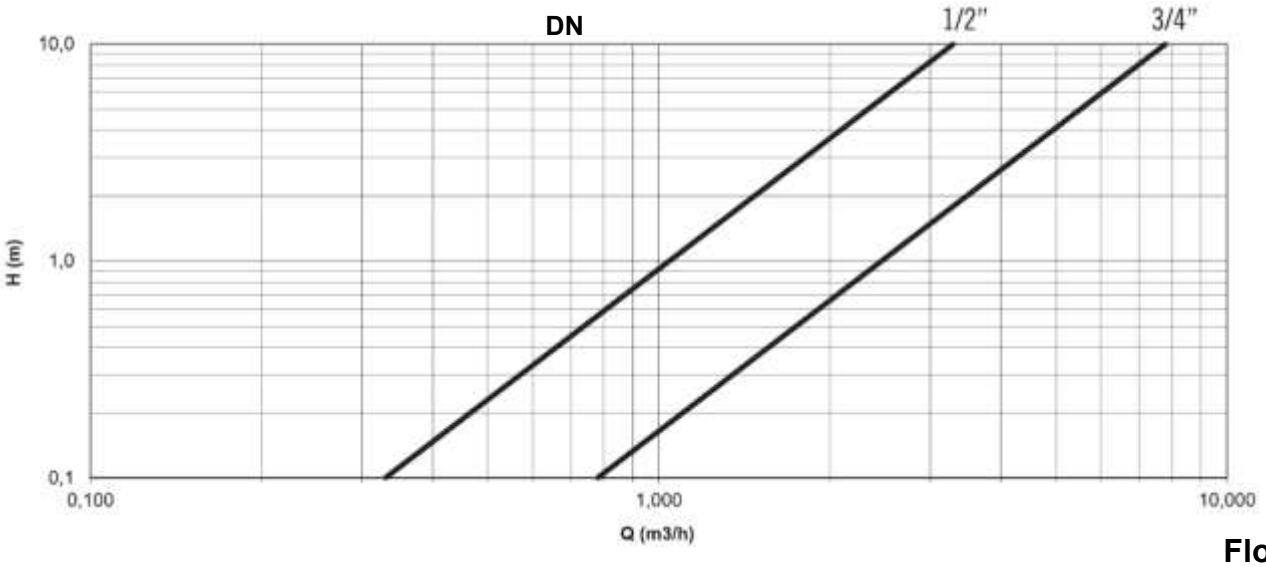
SPECIFICATIONS :

- Single jet type
- **MID R80** for horizontal position and horizontal dial **(**respect the flow direction indicated by the arrow)
- **MID R40** for vertical position or horizontal position with vertical dial **(**respect the flow direction indicated by the arrow)
- Horizontal position without straight length needed (U0D0)
- Dry rotating dial
- Magnetic transmission
- Direct reading on 8 numerical rolls
- Design according to EN ISO 4064
- 4MS brass body

USE :

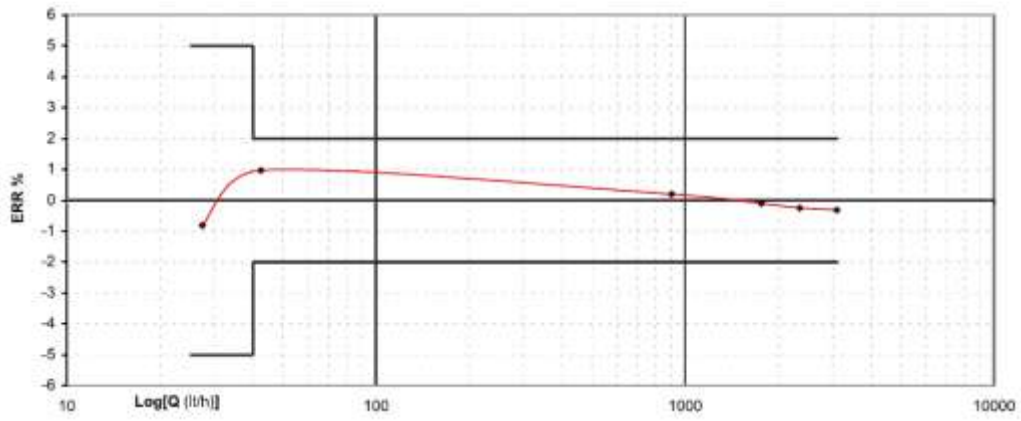
- Water distribution
- Min and max temperature Ts : +0°C to +50°C
- Max Pressure Ps : 16 bars

HEAD LOSS GRAPH :



Flow (m3 / h)

TYPICAL ERROR CURVE :

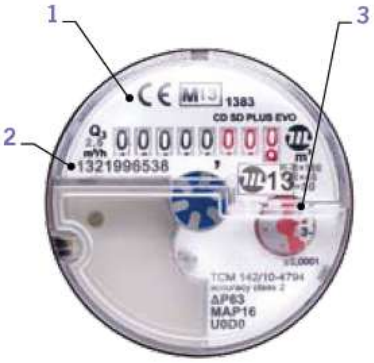


COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

RANGE :

- Single jet cold water meter MID R80 Wireless M-Bus and Wired M-Bus pre-equipped **Ref.2741 CDEVOEF** DN15 to DN20

SPECIFICATIONS :



- According to directive 2014/32/EU (annex MI-001) **(1)**
- Double fixing with non-magnetic AISI 316 stainless steel pivots, thus the turbine rotates in equilibrium under all flow and installation conditions
- Strainer input
- High protection against external magnetic fields
- Internal setting device
- Internal mechanism made of anhygroscopic, anti-scaling and hard-wearing plastic materials
- Serial number on the dial in numerical and bar code **(2)**
- Pre-equipped for pulse emitter **(3)**

COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

ACCESSORIES :

- Module RADIO WIRELESS M-BUS 868 MHz IP67 (direct installation on the dial)
  Ref.2749001 CICDEVOR

- Module Wired M-BUS (direct installation on the dial)
  Ref.2749002 CICDEVOM

- USB receiver with programming key **Ref.2749007 VSB 868 MHz**

- RADIO receiver (with USB or Bluetooth) **Ref.2749024 RRADIO**

- RADIO ARROW MOBILE software
  Ref.2749014

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COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

ACCESSORIES (SUITE) :

- Free nut water meter union with hole for filling on nut – Male BSP
  - DN15 F3/4"- M1/2" **Ref. 9811054**
  - DN15 F3/4"- M3/4" **Ref. 9811094**
  - DN20 F1" – M3/4" **Ref. 9811065**

- Plastic antifraud seal
  - DN15 **Ref. 9811040**
  - DN20 **Ref. 9811041**

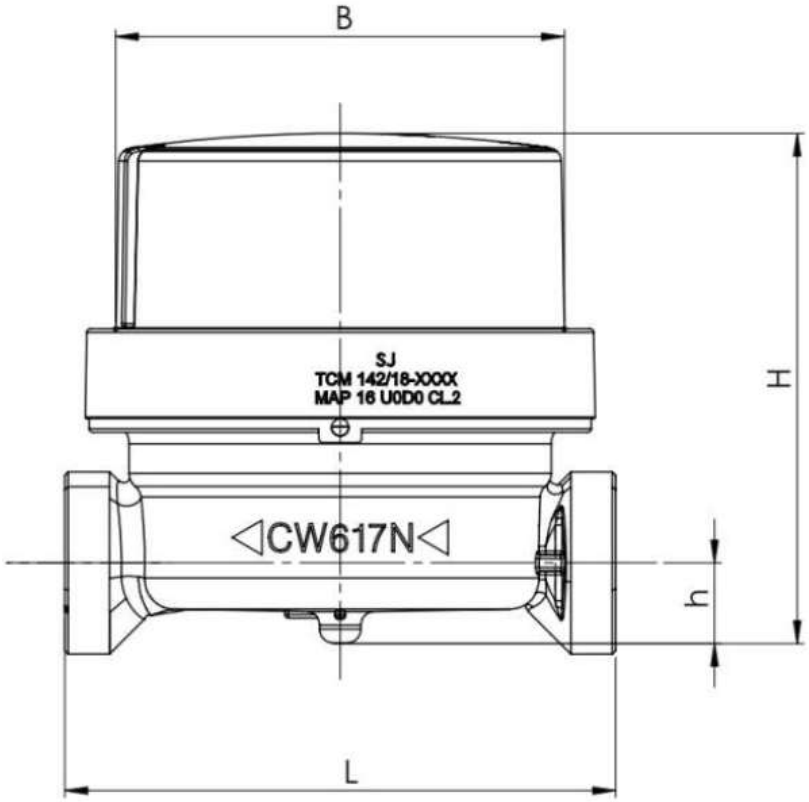
- Nylon + 30% glass fibers pipe Male BSP (waiting for water meter)
  - DN15 length 110 **Ref. 9811053**
  - DN20 length 130 **Ref. 9811055**

- Brass pipe male BSP threaded
  - For water meter DN15 length 110 **Ref. 9811045**

- Brass water meter stand with fix and sliding fitting DN15 **Ref. 9851000**

COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

SIZE (in mm) :



Bore	15	20
DN	3/4"	1"
L	110	130
Ø B	65.2	65.2
H	74.1	74.1
h	11.7	16.7
Weight (in Kg)	0.35	0.45
Ref.	2741015	2741020

COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

TECHNICAL FEATURES :

Bore	15	20
Max flow Q4 max (m3/h)	3.13	5
Nominal flow rate Q3 (m3/h)	2.5	4
Min flow rate MID R80 Q1 with ± 5% error (l/h)	31.25	50
Min flow rate MID R40 Q1 with ± 5% error (l/h)	62.5	100
Transitional flow rate Q2 MID R80 with ± 2% error (L/h)	50	80
Transitional flow rate Q2 MID R40 with ± 2% error (L/h)	100	160
Starting flow rate (l/h)	10	12
Head loss class (ΔP @ Q3)	ΔP 63	ΔP 40
Nb of turns / turbine liter	41.33	29.76
Min reading (L)	0.05	0.05
Max reading (m3)	100.000	100.000

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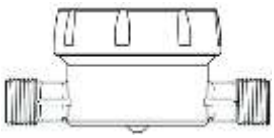
COLD WATER METER SINGLE JET MID R80 REMOTE READING PRE-EQUIPPED

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (article 1, § 2b)
- Water Meters according to directive **2014/32/EU MID (annex MI001)**
- Designing according to **EN 14154 and EN ISO 4064**
- French water agreement **A.C.S. N° 25 ACC LY 180**
- English water agreement **WRAS**
- Male BSP cylindrical threading according to ISO 228-1

INSTALLATION POSITIONS :

HORIZONTAL :

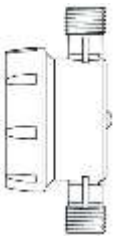


Class MID R=80

Class MID R=40
(Vertical dial assimilated to vertical position)

VERTICAL* :

*** : In vertical position, the metering precision of the meter is going to be slightly altered, and the pipe should always be full of water.**



Class MID R=40

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The customer must check the right choice of the products with the real service conditions.

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