

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

Hot 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 : +30°C

Max Temperature : +90°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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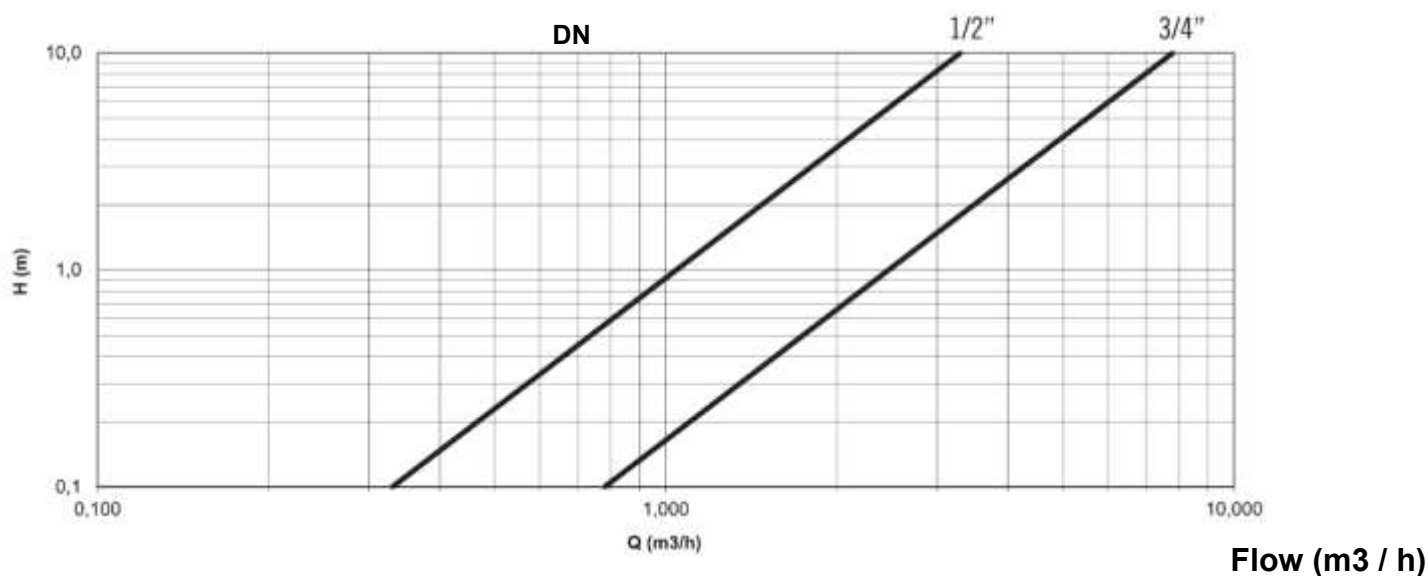
SPECIFICATIONS :

- 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

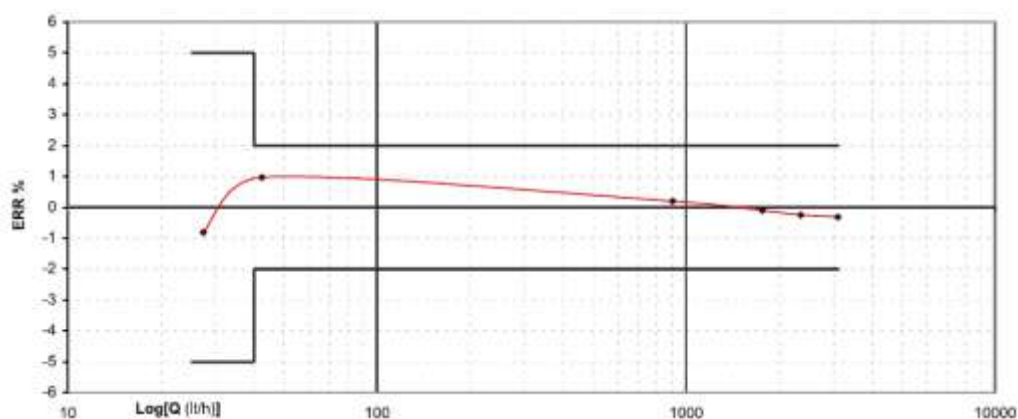
USE :

- Water distribution
- Min and max temperature Ts : +30°C to +90°C
- Max Pressure Ps : 16 bars

HEAD LOSS GRAPH :



TYPICAL ERROR CURVE :

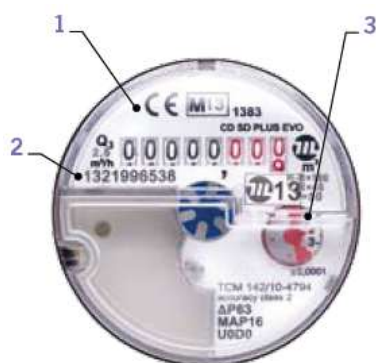


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RANGE :

- Single jet hot water meter MID R80 Wireless M-Bus and Wired M-Bus pre-equipped **Ref.2742 CDEVOEC** 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)**



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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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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**



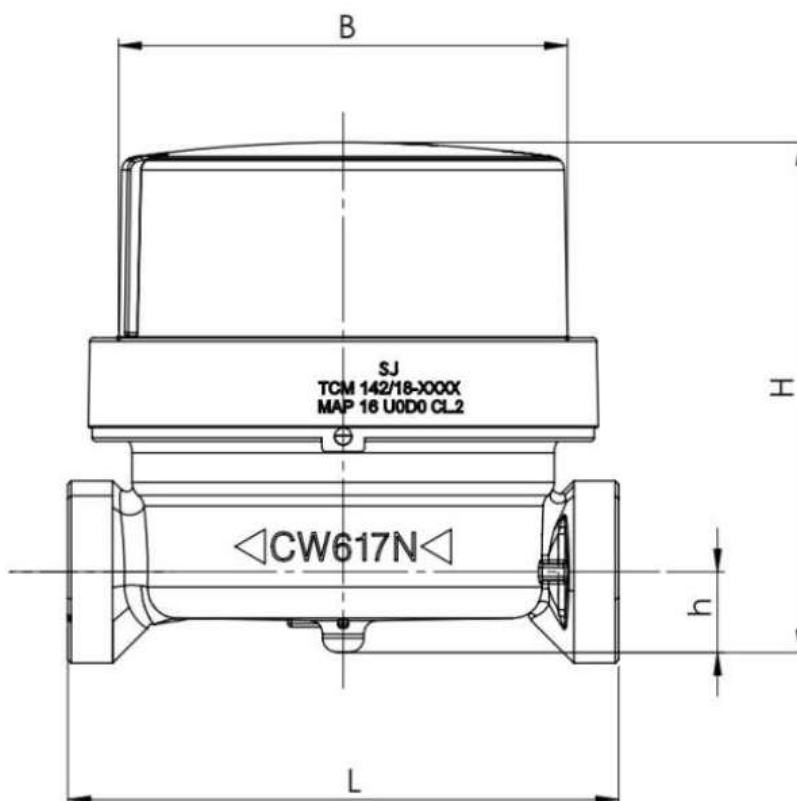
- Brass pipe male BSP threaded
 - For water meter DN15 length 110 **Ref. 9811045**



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

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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.	2742015	2742020

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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 $\pm 5\%$ error (l/h)	31.25	50
Min flow rate MID R40 Q1 with $\pm 5\%$ error (l/h)	62.5	100
Transitional flow rate Q2 MID R80 with $\pm 2\%$ error (L/h)	50	80
Transitional flow rate Q2 MID R40 with $\pm 2\%$ 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

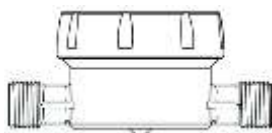
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STANDARDS :

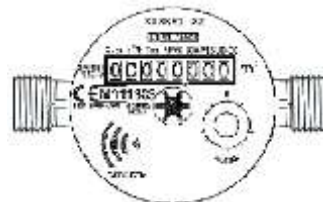
- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (article 1, § 2b)
- Water Meters according to directive **2014/32/EU MID (annex MI001)**
- Designing according to **EN 14154 and EN ISO 4064**
- French water agreement **A.C.S. N° 25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

INSTALLATION POSITIONS :

HORIZONTAL :



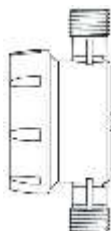
Class MID R=80



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

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.

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