

HOT WATER METER SINGLE JET MID R80 IMPULSE 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 pulse emitter.



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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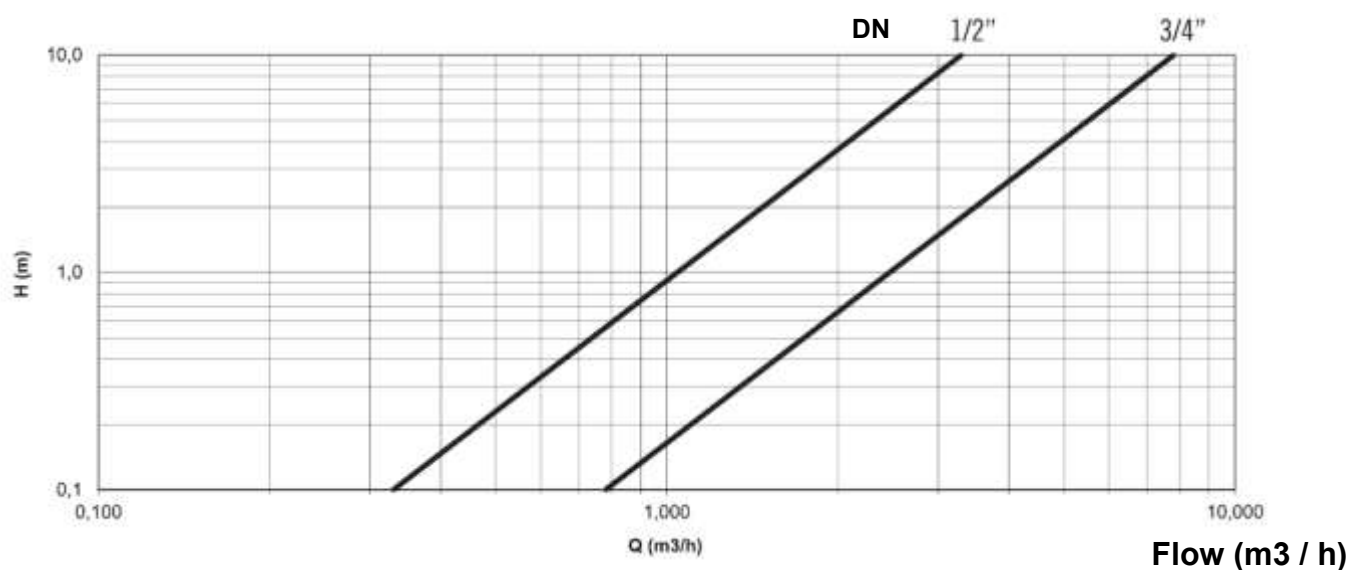
SPECIFICATIONS :

- 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

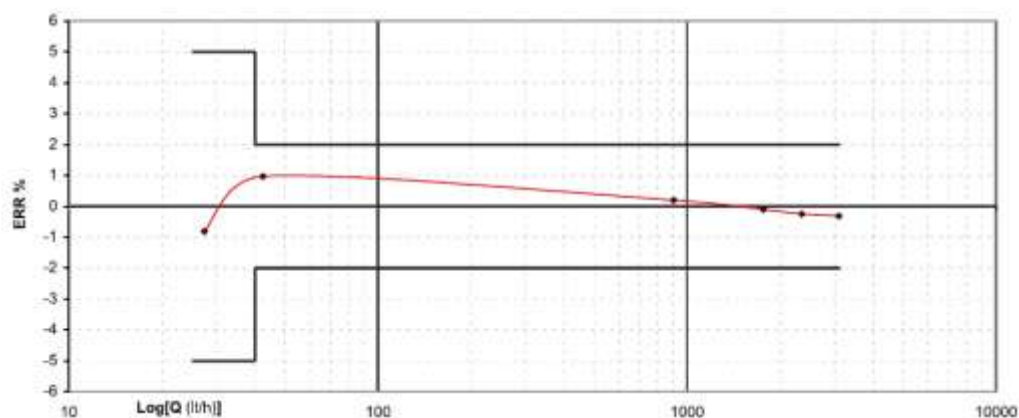
USE :

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

HEAD LOSS GRAPH :



TYPICAL ERROR CURVE :

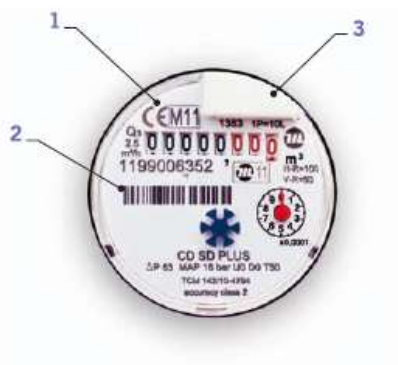


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RANGE :

- Single jet hot water meter MID R80 impulse pre-equipped 10L **Ref.2702 CDEC** 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 :



- Pulse emitter Reed Switch 1x10L **Ref.2749030 CIGD**



- 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**



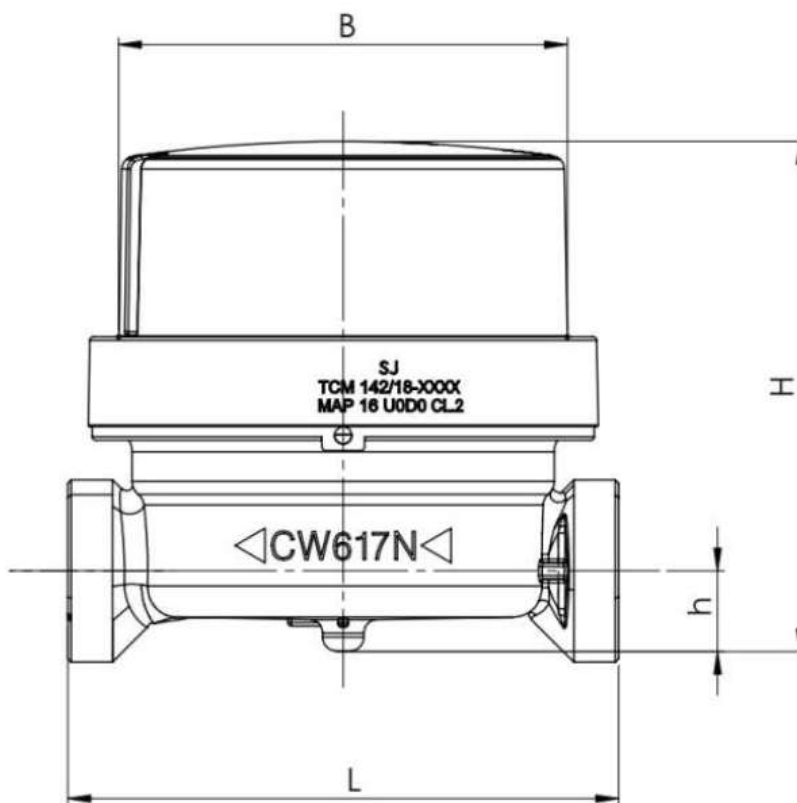
- Brass pipe male BSP threaded
 - For water meter DN15 length 110 **Ref. 9811045**



- 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.	2702015	2702020

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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

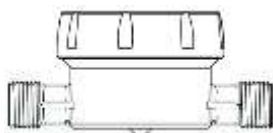
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STANDARDS :

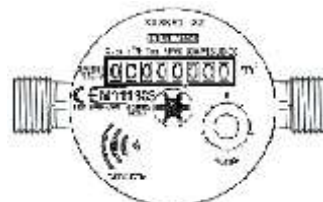
- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (article 1, § 2b)
- Water Meters according to directive **2014/32/EU MID (annex MI001)**
- Designing according to **EN 14154 and EN ISO 4064**
- French water agreement **A.C.S. N° 25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

HORIZONTAL POSITIONS :

HORIZONTAL :



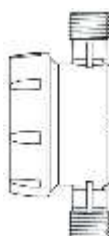
Class MID R=80



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.