sferaco
VALVES, METERS & FITTINGS

ISO 9001 : 2015
BUREAU VERITAS
Certification

REF. 2703 CDEF

COLD WATER METER SINGLE JET MID R160 IMPULSE PRE-EQUIPPED

Cold water meter single jet MID R160 dry rotating dial for water distribution.
Horizontal or vertical position without straight length upstream and downstream needed (U0/D0).
Ready for optional pulse emitter.

Measure Instrument Directive MID — 4MS — ATTESTATION DE CONFORMITÉ SANITAIRE ACS — maddalena

WRAS APPROVED PRODUCT

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

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.fr E-mail : info@sferaco.fr

Information provided as an indication and subject to possible modification

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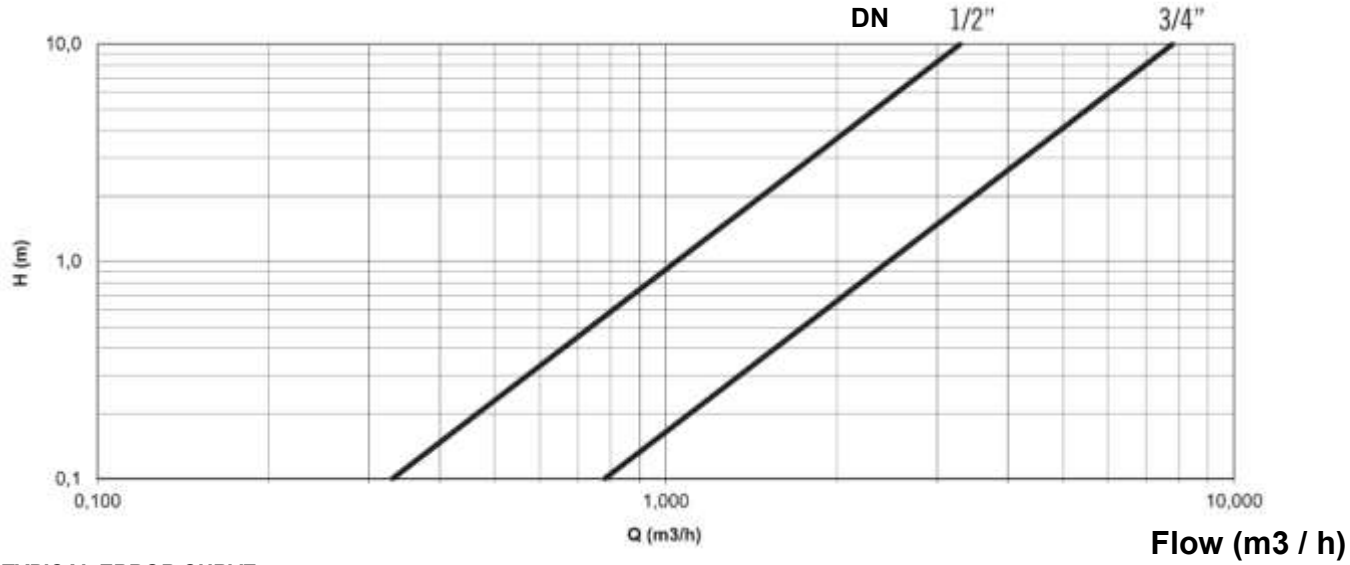
SPECIFICATIONS :

- Single jet type
- **MID R160** for horizontal position and horizontal dial **(**respect the flow direction indicated by the arrow)
- **MID R80** for horizontal position with vertical dial **(**respect the flow direction indicated by the arrow)
- **MID R63** for vertical position **(**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 :

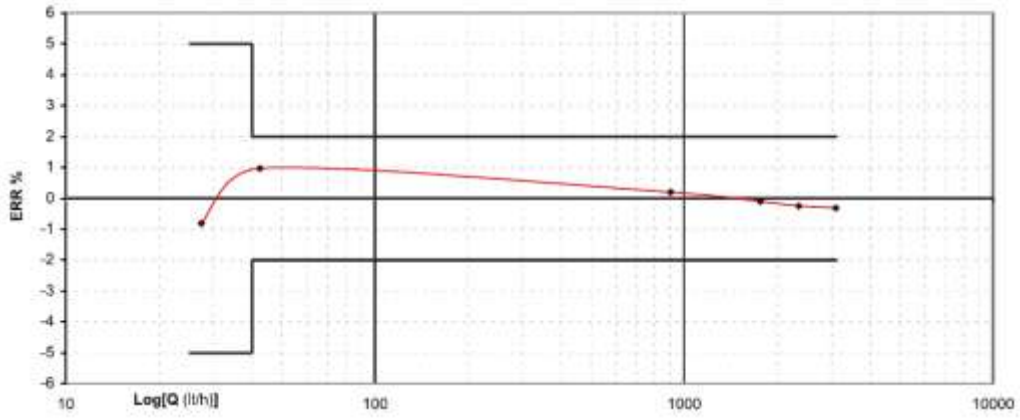
- Water distribution
- Min and max temperature Ts : +0°C to +50°C
- Max Pressure Ps : 16 bars

HEAD LOSS GRAPH :



Flow (m3 / h)

TYPICAL ERROR CURVE :



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RANGE :

- Single jet cold water meter MID R160 impulse pre-equipped 10L **Ref.2703 CDEF** DN15 to DN20

ACCESSORIES :

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

- 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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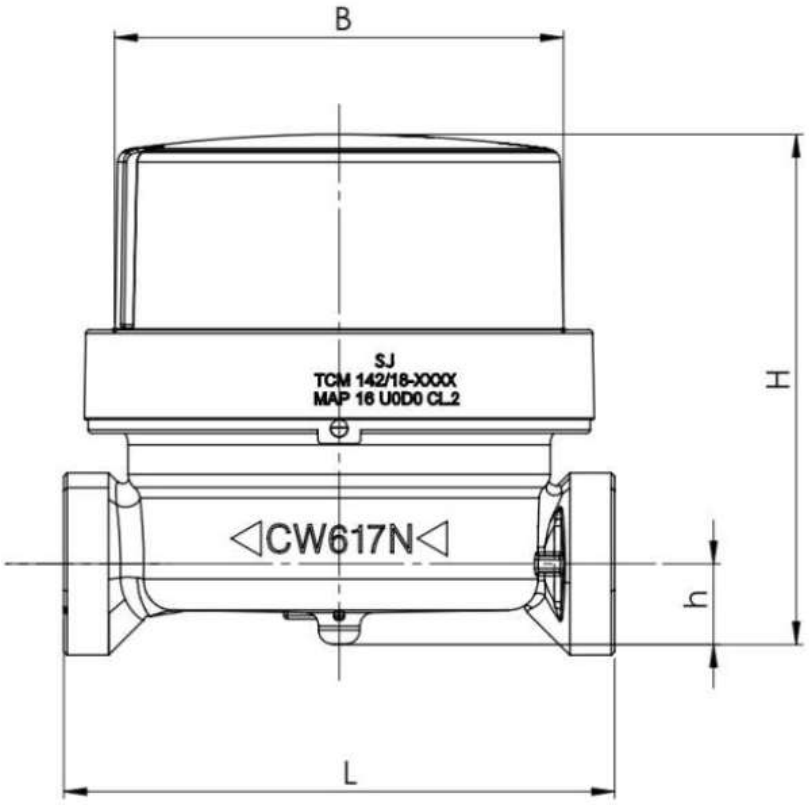
COLD WATER METER SINGLE JET MID R160 IMPULSE PRE-EQUIPPED

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.	2703015	2703020

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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 R160 Q1 with ± 5% error (l/h)	15.6	25
Min flow rate MID R80 Q1 with ± 5% error (l/h)	31.25	50
Min flow rate MID R63 Q1 with ± 5% error (l/h)	39.62	63.5
Transitional flow rate Q2 MID R160 with ± 2% error (L/h)	25	40
Transitional flow rate Q2 MID R80 with ± 2% error (L/h)	50	80
Transitional flow rate Q2 MID R63 with ± 2% error (L/h)	63.5	101.6
Starting flow rate (l/h)	6	8
Head loss class (ΔP @ Q3)	ΔP 63	ΔP 63
Nb of turns / turbine liter	2	2
Min reading (L)	0.05	0.05
Max reading (m3)	100.000	100.000

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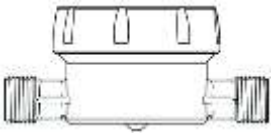
STANDARDS :

- 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=160

Class MID R=80
(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=63

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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