

COLD WATER METER PROTECTED ROLLERS MULTIJET IMPULSE PRE-EQUIPPED

Multijet cold water meter with protected rollers and mecanic transmission. It combines good metrological performance with high protection from external magnetic fields. Robust, long lasting and suitable for the most challenging environments. It can be equipped with the latest remote data transmission technologies
Horizontal position without straight length upstream and downstream needed (U0/D0).
Mineral glass dial.
Ready for optional pulse emitter.



Size : DN15 to DN50
Connection : Male BSP
Min Temperature : +0°C
Max Temperature : +50°C
Max Pressure : 16 Bars
Specifications : Multijet with protected rollers
Mecanic transmission
With lid

Materials : Brass CC770S-4MS EN 12165 body

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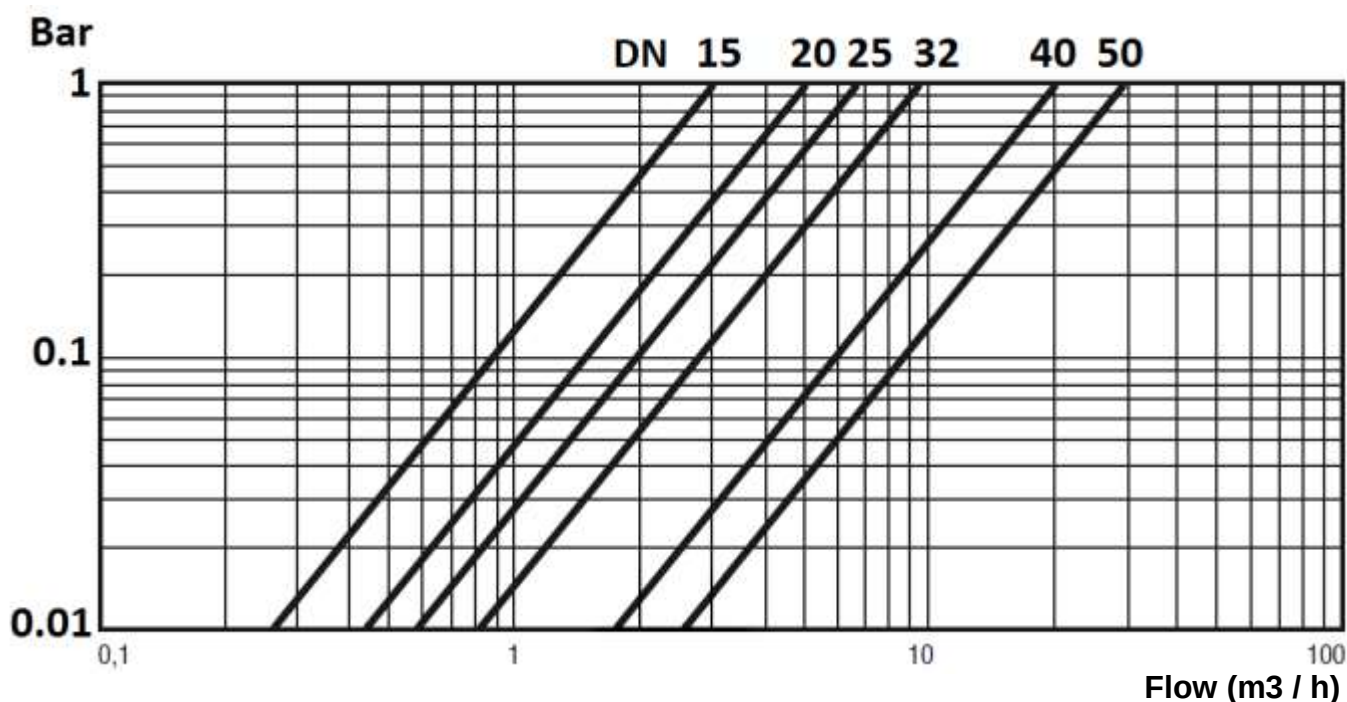
SPECIFICATIONS :

- Multijet type
- **MID R160 range** for horizontal position with horizontal dial (respect the flow direction indicated by the arrow)
- Horizontal position without straight length needed (U0D0)
- Protected rollers
- Mineral glass dial
- Direct reading on 5 numerical rolls
- With lid
- 4MS brass body

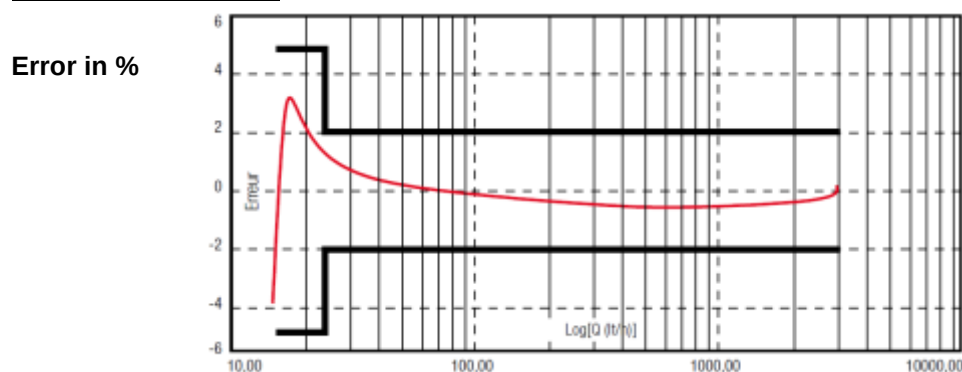
USE :

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

HEAD LOSS GRAPH :



TYPICAL ERROR CURVE :



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RANGE :

- Cold water meter protected rollers multijet water meter MIDR160 brass body impulse pre-equipped **Ref.2771 DSEF** DN15 to DN50

SPECIFICATIONS :



- According to directive 2014/32/EU (annex MI-001)
- Thick mineral glass dial
- Internal and external varnished epoxy powder coating (60-70μ)
- Stainless steel 18/8 stem
- Internal mechanism made of anhygroscopic, anti-scaling and hard-wearing plastic materials
- High protection against external magnetic fields
- Superdry dial
- Pre-equipped for pulse emitter
- With lid



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ACCESSORIES :



- Pulse emitter Reed Switch **Ref.2749034 CIDSEF**



- Static pulse emitter inductive, insensitive to vibrations and detects backflow **Ref.2749035 CIQUADRA**



- RADIO ARROW emitter, to install on the pulse output IP68
Ref.2749046 MARROW

- Pulse emitter Reed Switch with Radio Arrow emitter **Ref.2749039**



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



- RADIO ARROW MOBILE software
Ref.2749014

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ACCESSORIES :



- 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**
 - DN25 F1"1/4- M1" **Ref. 9811076**
 - DN30 F1"1/2- M1"1/4 **Ref. 9811087**
 - DN40 F2"- M1"1/2 **Ref. 9811098**
 - DN50 F2"1/2- M2" **Ref. 9811099**



- Plastic antifraud seal
 - DN15 **Ref. 9811040**
 - DN20 **Ref. 9811041**
 - DN25 **Ref. 9811042**



- Check valve
 - DN15 **Ref. 9811061**
 - DN20 **Ref. 9811062**



- Nylon+30% glass fiber pipe male BSP threaded
 - DN15 length 170 **Ref. 9811067**



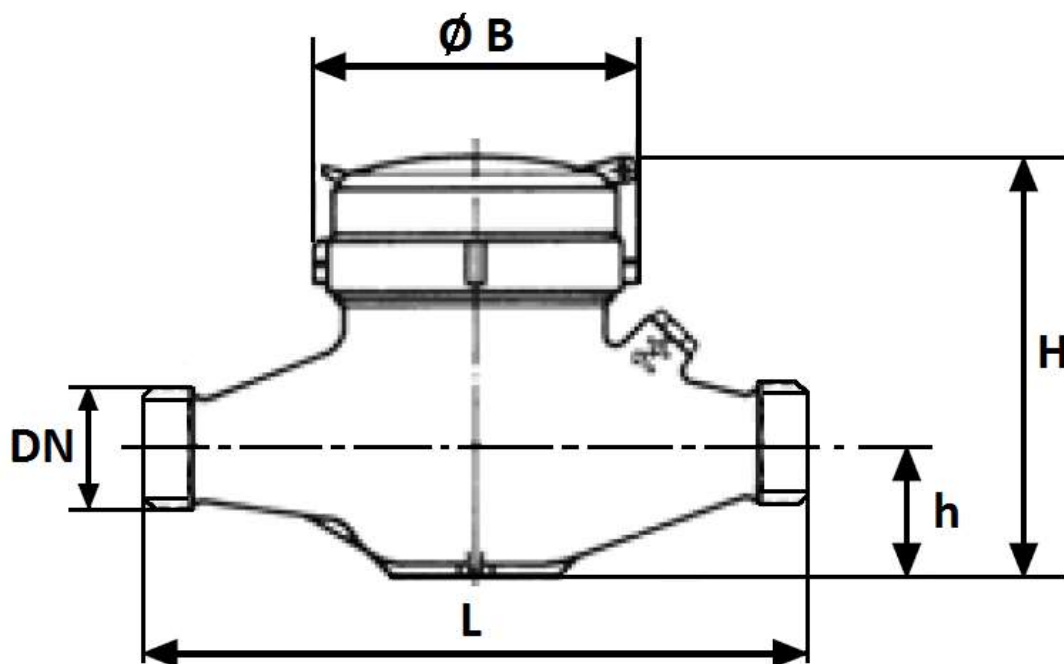
- Brass pipe male BSP threaded
 - For water meter DN15 length 170 **Ref. 9811046**



- Brass water meter stand
 - For water meter DN15 length 170 **Ref. 9851001**
 - For water meter DN20 length 190 **Ref. 9851002**
 - For water meter DN25 length 260 **Ref. 9851003**
 - For water meter DN32 length 260 **Ref. 9851004**
 - For water meter DN40 length 300 **Ref. 9851005**

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SIZE (in mm) :



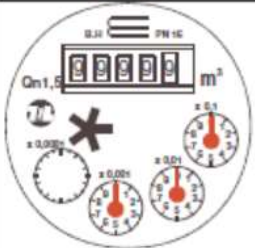
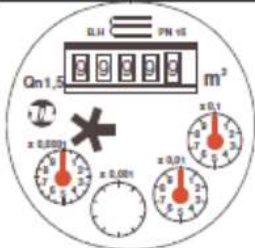
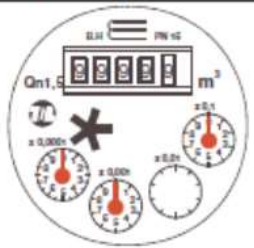
DN (mm)	15	20	25	32	40	50
DN (NPS)	3/4"	1"	1"1/4	1"1/2	2"	2"1/2
L	170	190	260	260	300	300
Ø B	97.5	97.5	97.5	97.5	130	154
H	114	114	123	123	163	158
h	36.5	36.5	43	43	64.5	58
Weight (in Kg)	1.54	1.61	2.3	2.4	4.5	9.5
Ref. 1 imp./L	2771015	2771020	2771025	2771032	2771040	2771050
Ref. 1 imp./10L	2771016	2771021	2771026	2771033	2771041	2771051
Ref. 1 imp./100L	2771017	2771022	2771027	2771034	2771042	2771052

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TECHNICAL FEATURES :

DN	15	20	25	32	40	50
Max flow Q4 max (m3/h)	3.3	5	7.9	12.5	20	31
Nominal flow rate Q3 (m3/h)	2.5	4	6.3	10	16	25
Transitional flow rate Q2 MID R160 with $\pm 2\%$ error (L/h)	25	40	63	100	160	250
Min flow rate MID R160 Q1 with $\pm 5\%$ error (l/h)	15.6	25	39.4	62.5	100	156.2
Starting flow rate (l/h)	5	9	18	24	30	30
Head loss class (ΔP @ Q3)	ΔP 63					
Nb of turns / turbine liter	25.31	19.41	11.22	10.04	4.4	3.16
Min reading (L)	0.05	0.05	0.05	0.05	0.05	0.05
Max reading (m3)	100.000	100.000	100.000	100.000	1.000.000	1.000.000

PULSE EMITTER INSTALLATION AND POSITIONS :

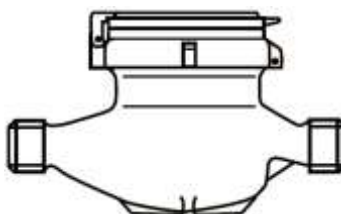
Impulse	1P=1L K=1 1 imp = 1 l	1P=10L K=0.1 1 imp = 10 l	1P=100L K=0.01 1 imp = 100 l
Magnet position			
Sensor position			

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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° 24 ACC LY 811**
- Male BSP cylindrical threading according to ISO 228-1

HORIZONTAL POSITION WITH HORIZONTAL DIAL ONLY :



MID R160

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