

## CWM Cold Water Meter



### 15mm Cold Water Meter / 20mm Cold Water Meter

#### Specification

Meters are available in a 15 or 20mm connection size to suit all smaller and domestic applications. These Meters can be mounted in either a horizontal or vertical position thanks to the Single Jet measuring style which can work in either plane of direction. Unions are supplied with each meter giving a BSP Male thread connection.

The CWM Cold Water Meter are suitable for cold water up to 30°C and are MID approved for Billing applications. They are also WRAS approved which makes them safe for Potable Drinking Water applications throughout the UK.

The latest design can now have a retrofittable pulsed output for a ratio of 1 litre per pulse. This allows the meters to be used as part of a remote data collection network. Alongside the Pulsed Output, an M-Bus version is also available offering the use of this meter in a wired or wireless M-Bus network.

The JS Models are all of a Dry Dial design so the internal dial mechanisms will not be directly worn down by contact with water. Only the turbine impeller makes direct contact with the water. The dial itself can be rotated to make reading the meters easier visually.

#### Features

- Compliance - MID Approved, WRAS Approved
- Connection Size - 15-20mm
- Connection Type - Screwed Connection
- Temperature - Cold
- Communication Outputs - Pulsed as Standard - Available MBUS / Wireless MBUS (On Enquiry)

## 25mm / 32mm / 40mm Cold Water Meter

### Specification

This range covers larger installations and more commercial elements of Water Monitoring. Using a Single Jet measuring style means that these meters are suitable when installing in either horizontal or vertical runs of pipework. All meters are supplied with the relevant unions connections to give a BSP Male thread connection.

All Meters are WRAS approved so they comply with requirements for use in Potable Drinking Water applications in the UK. As mentioned earlier they are also calibrated to meet MID standards allowing them for use in Billing scenarios. The cold versions of these meters are rated for water temperatures up to 50°C as a maximum.

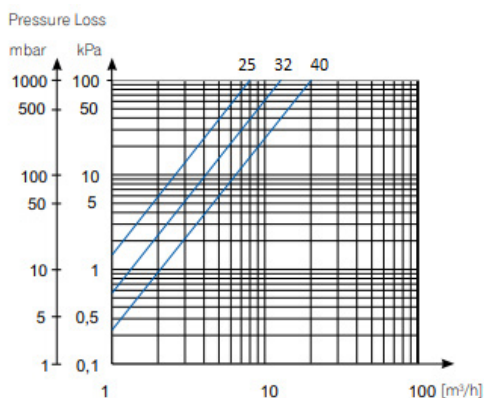
The CWM 25mm / 32mm / 40mm come with a pulsed output as standard. The Output Ratio is 10 litres per pulse. M-Bus Modules can also be fitted to these meters allowing them to be connected as part of a wired or wireless M-Bus network.

By sticking with the design of a Dry Dial, the Meter index is not affected by condensation or water contact. The water is all measured through the turbine impeller inside the meter body. All of the dials can be rotated to allow for an easier visual read of the meters when installing in different directions.

### Features

- Compliance - MID Approved, WRAS Approved
- Connection Type - Screwed Connection
- Communication Outputs - Pulsed as Standard - Available MBUS / Wireless MBUS (On Enquiry)
- Temperature - Cold
- Connection Size - 25-40mm

### Pressure Loss



## 50mm+ Cold Water Meter

### Specification

The CWM Cold Water Meters are commercial sized meters for larger applications. Their design allows for bulk flows of water to be monitored in either a horizontal or vertical installation position. The maximum operating temperature is 30°C for the MWN when used on Cold Water applications.

The CWM Cold Water Meters are all MID approved for Billing requirements and also hold the WRAS approval making them safe to use on Potable Drinking Water installations.

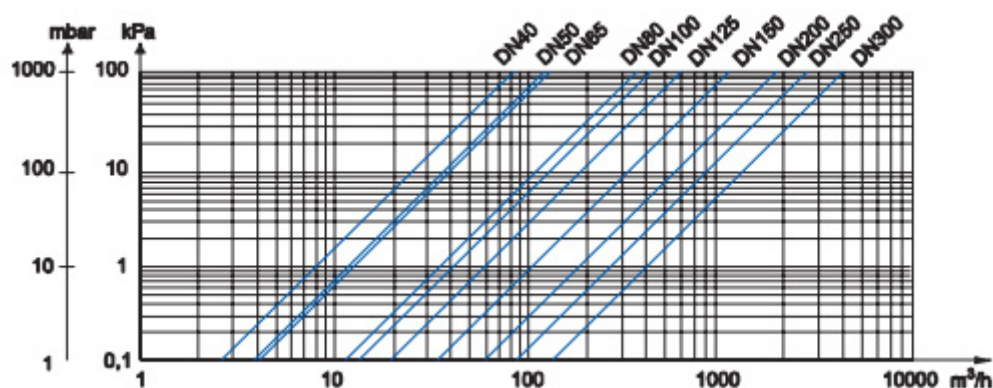
All CWM Cold Water Meter (50mm+) have a PN16 Flanged connection as standard from 50mm right up to 300mm. There is the option of a BSP Union connection for the 50mm though, a unique design of Woltmann meter with a 2" BSP Male connection.

All of the CWM Cold Water Meter don't come with a pulsed output unit as standard but is available to be quoted The output ratios vary between 10 litres per pulse and 100 litres per pulse as the sizes of meter are increased but all models can be changed to meet ratio requirements from 10 litres per pulse up to 1000 litres per pulse. Like the other ranges a M-Bus output is also available giving the MWN the suitability to be used on either a wired or wireless M-Bus network.

### Features

- Compliance - MID Approved, WRAS Approved
- Connection Size - 40-300mm
- Connection Type - Flanged Connection, Screwed Connection
- Temperature - Cold
- Communication Outputs - Pulsed as Standard - Available MBUS / Wireless MBUS (On Enquiry)

### Pressure Drop



# PRODUCT SPEC SHEET

Diameter	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Min Temp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Operating Pressure (mbar)	16	16	16	16	16	16	16	16	16	16	16	16
Pulsed Fitted	N	N	Y	Y	Y	N	N	N	N	N	N	N
MBUS Available	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Min Flow			0.04	0.06	0.01	0.4	0.5	0.625	0.8	1.5	2	5
Max Flow			7.8	10	16	50	78	125	200	312	500	787
Dimensions (mm)												
Height			36	36	36	187	197	219	229	257	357	382
Length			120	120	120	200	200	200	250	300	350	450