HWM Hot Water Meter

15mm / 20mm

25mm / 32mm / 40mm

50mm+

15mm Hot Water Meter / 20mm Hot 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 HWM Hot Water Meter are suitable for hot water up to 90°C and are MID approved for Billing applications. They are also WRAS approved.

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.

These meters 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 - Hot
- Communication Outputs - Pulsed - Available MBUS / Wireless MBUS (On Enquiry)

25mm / 32mm / 40mm Hot Water Meter

Specification

The HWM Hot Water Meter are similar to that of their Cold counterparts but are rated up to a maximum temperature of 130°C. This range uses a Single Jet measuring style which means they can be installed in either horizontal or vertical pipework.

The HWM Hot Water Meters are all MID approved making them suitable for use in Billing applications. This MID approval covers their calibration range to an R80 measuring range.

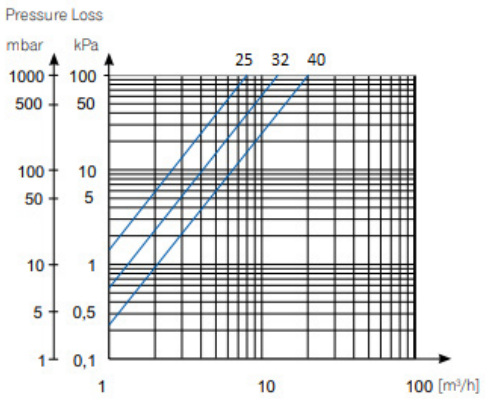
The dials of the HWM Hot Water Meter can be rotated should there be the need to install them in different flow directions, which allows for an easy visual read of the meter index. Pulsed models are also available which have the NK Reed switch and cable included to provide remote data communication. The pulse ratios are 10 litres per pulse. M-Bus modules can also be fitted to the meters to provide data through a wired or wireless M-Bus network.

Union connections are provided alongside each meter to provide a BSP Male thread connection.

Features

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

Pressure Loss



50mm+ Hot Water Meter

Specification

For higher temperature systems on commercial and larger demands of flow, the HWM Hot Water Meter can be supplied. The HWM Meters are designed to suit the needs of larger sized pipework and flow rates with a maximum operating temperature of 130°C. This Woltmann style of Water Meter uses an impeller style measuring system which can work in both horizontal and vertical positions. The HWM Hot Water Meters are all MID approved for Billing installations.

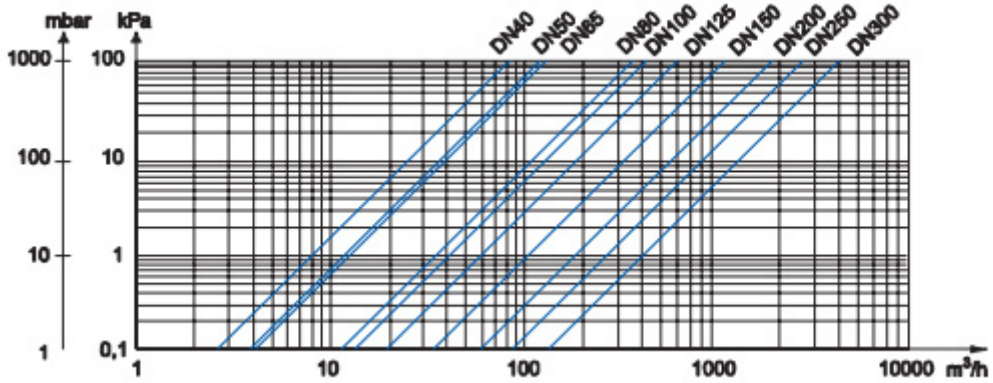
From 50mm up to 300mm a PN16 Flanged Connection is supplied as standard, alongside the option of a BSP Union connection for the 50mm. This design of a Woltmann meter with a 2" BSP union connection is unique to the HWM range.

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. A M-Bus output is also available giving the HWM 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 - Hot
- Communication Outputs - Pulsed - 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
Max Temp	130	130	130	130	130	130	130	130	130	130	130	130
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 (m3/h)			0.04	0.06	0.01	0.4	0.5	0.625	0.8	1.5	2	5
Max Flow (m3/h)			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