

Product Specification

Multi-Jet Flanged Pulsed Water Meters

Watersavers offers a range of multi-jet-based water meters used for monitoring and measuring water usage. The flanged meters are available in sizes from 2" BSP to 4" BSP (50 mm to 100 mm) these pulsed water meters feature clear, easily read displays, free from condensation. Larger sizes are available on request.

Features

- ◆ Suitable for installations applying for BREEAM Wat 02 & Wat 03 credits
- ◆ Ideal for monitoring water usage and BMS applications
- ◆ Only one moving part for minimum wear and maximum reliability – even in hard water areas
- ◆ Visual indicator sensitive to the smallest flow – ideal for leak detection
- ◆ Optional electrical ‘pulse’ output usually 1 per 100 litres
- ◆ Sealed display capsule – guaranteed against condensation
- ◆ Supplied with DIN connector



 Saving more than water

Product Codes

Water Meter Product Codes	Nominal Size		Nominal Flow Rate	Minimum Flow Rate	Maximum Flow Rate	Litres/Pulse Options	Weight
Product Code	British Standard Pipe (BSP)		m³/h	m³/h	m³/h		kg
WMPF50-K=10	2"	50 mm	40	0.5	50	100, 1k	12
WMPF65-K=10	2½"	65 mm	63	0.787	78.7	100, 1k	13
WMPF80-K=10	3"	80 mm	63	0.787	78.7	100, 1k	16
WMPF100-K=10	4"	100 mm	100	1.25	125	100, 1k	18

Larger sizes are available on request.

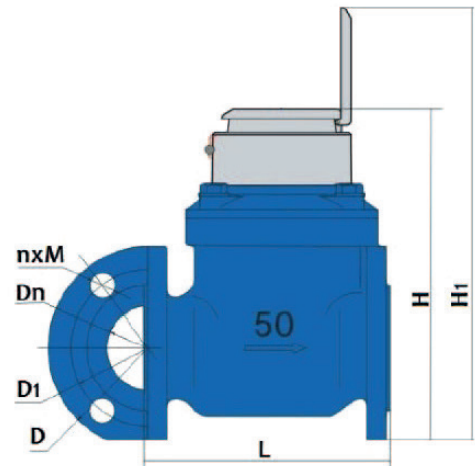
- ◆ Nominal Flow Rate - Typical application for everyday usage
- ◆ Max Flow Rate - Refers to the emergency flow rate (1-2 minute duration max) in the event of system failure. Damage may result
- ◆ Minimum Flow Rate - The absolute minimum flow required for the unit to function at these low flows the meter will not be accurate

Technical Specification

- Cold (30°C) – WRAS approved and MID R80 as per 2004/22/EC
- Internal strainer
- Super dry, sealed register
- Available with pulse output
- Suitable up to 16 bar working pressure
- Suitable for horizontal installation

Technical Data - Dimensions

DN	50	65	80	100
L	200	200	225	250
H	252	262	272	282
H1	339	349	359	369
D	165	185	200	220
D1	125	145	160	180
nxM	4xM16	4xM16	8xM16	8xM16

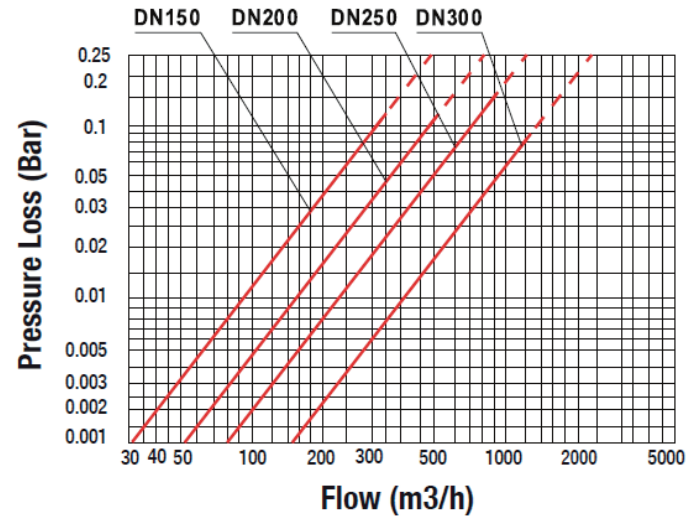
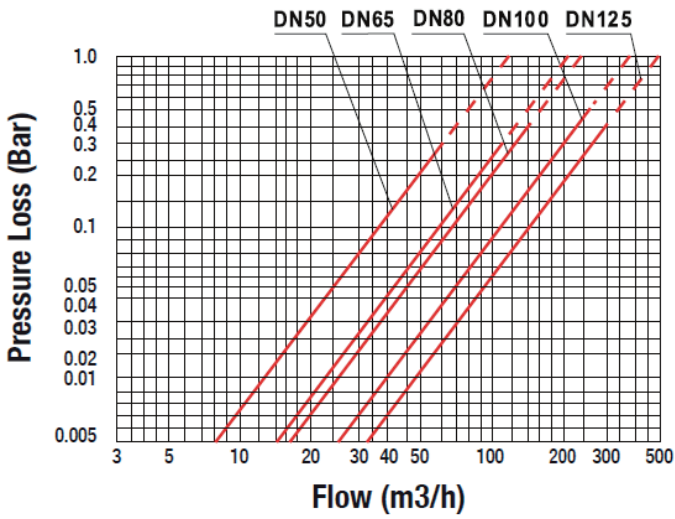


Installation

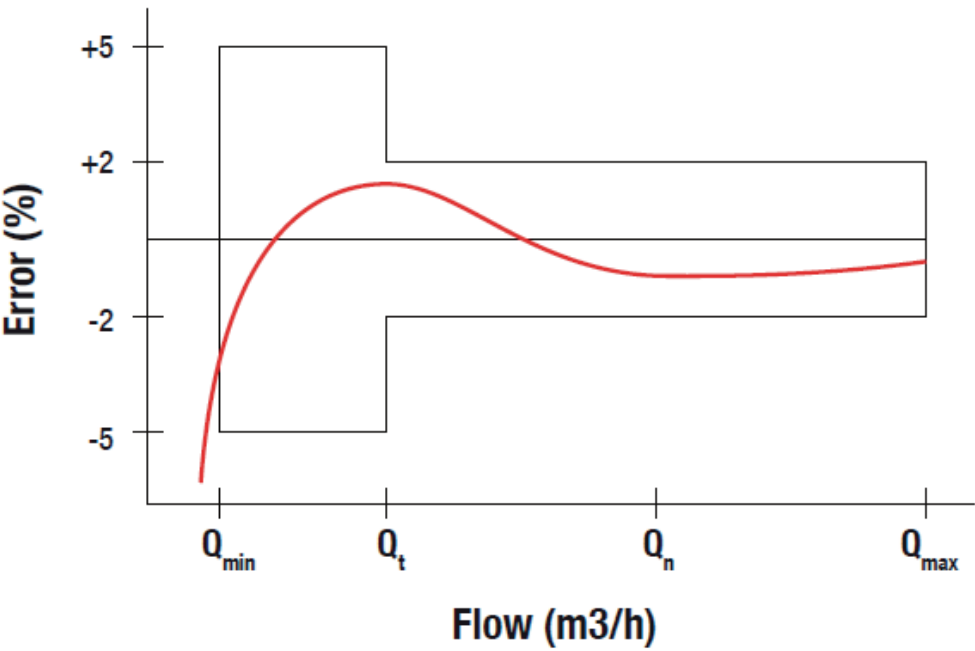
- The meters are designed only for use with clean water. Sufficient filtration prior to the meter should be considered if the quality of water is compromised.
- The preferred mounting position is horizontal. Woltmann meters can be installed vertically, providing that care is taken over the installation position ensuring that all other elements of these guidelines are adhered to. Ensuring that the flow rate is double the Q_t value can reduce the meter error.
- Under no circumstances whatsoever must the meters remain in-situ whilst system flushing takes place.
- When installed in the horizontal pipe, the dial must always be facing upwards. Never put the meter upside down as it will not function correctly.
- Water meters should always be fitted with a minimum of 5x pipe diameter both up and downstream. For example, a 2" (DN50) water meter would have 10" (250mm) either side of the meter as straight pipe. This is to ensure accurate reading by reducing water turbulence. At higher pressures (above 8 bar), this should be increased to 10x pipe diameter.
- Note that there is a direction of flow arrow on the meter and the meter should be installed accordingly.
- It is recommended as good practice to fit a removable filter element before a water meter to protect the mechanism.
- Only clean water should be used that does not exceed the temperature specification of the meter. This is 30 degrees centigrade for cold meters and 90 degrees centigrade for hot meters.

 Saving more than water

Pressure Loss Diagram



Accuracy Curve



 Saving more than water