

# Product Specification

## Multi-Jet Pulsed Water Meters

Watersavers offers a range of multi-jet-based water meters used for monitoring and measuring water usage. The meters are available in sizes from 1/2" BSP to 4" BSP (15mm to 100mm) 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 litre
- ◆ Sealed display capsule – guaranteed against condensation
- ◆ Supplied with DIN connector



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### Product Codes

Water Meter Product Codes		Nominal Size	Maximum Flow Rate	Minimum Flow Rate	Litres/Pulse Options	Weight
Cold (30 °C) Product Code	Hot (90 °C) Product Code	British Standard Pipe (BSP)	m <sup>3</sup> /h	l/h		kg
WMP15-K=1	WMP15H-K=1	½"	2.5	30	1, 10, 100	2
WMP20-K=1	WMP20H-K=1	¾"	4	50	1, 10, 100	2
WMP25-K=1	WMP25H-K=1	1"	6.3	70	1, 10, 100	2.8
WMP32-K=1	WMP32H-K=1	1¼"	10	120	1, 10, 100	2.8
WMP40-K=10	WMP40H-K=10	1½"	15	300	10, 100, 1k	4.65
WMP50-K=10	WMP50H-K=10	2"	25	500	10, 100, 1k	10.3

Larger sizes are available on request.

## Technical Specification

- ◆ Cold (30°C) – WRAS approved and MID R80 as per 2004/22/EC
- ◆ Hot (90°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

Diameter	DN	15	20	25	32	40	50
Body Thread	D	G $\frac{3}{4}$ B	G1B	G1 $\frac{1}{4}$ B	G1 $\frac{1}{2}$ B	G2B	G2 $\frac{1}{2}$ B
Connector Thread	d	R $\frac{1}{2}$	R $\frac{3}{4}$	R1	R1 $\frac{1}{4}$	R1 $\frac{1}{2}$	R2
Body Length (mm)	L	165	190	260	260	300	300
Overall Length (mm)	L1	259	294	380	384	431	448
Width (mm)	W	94	94	98	98	122	145
Height (mm)	H	107.5	107.5	117.5	117.5	141.5	177
Working Height (mm)	H1	191	191	206.5	206.5	256.5	292
Weight (kg)		1.5	1.6	2.4	2.9	5.1	8.4

## Flow Data

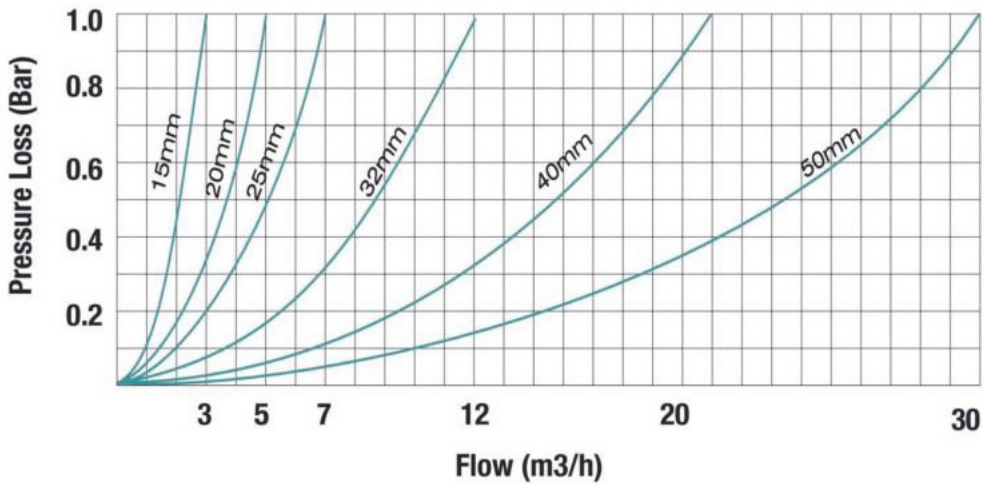
Diameter	DN	15	20	25	32	40	50
Minimum Flowrate (Q <sub>1</sub> )	m <sup>3</sup> /h	0.0313	0.05	0.0788	0.125	0.2	0.313
Transitional Flowrate (Q <sub>2</sub> )	m <sup>3</sup> /h	0.05	0.08	0.126	0.2	0.32	0.5
Permanent Flowrate (Q <sub>3</sub> )	m <sup>3</sup> /h	2.5	4	6.3	10	15	25
Overload Flowrate (Q <sub>4</sub> )	m <sup>3</sup> /h	3.13	5	7.88	12.5	20	31.3

## Technical Specification

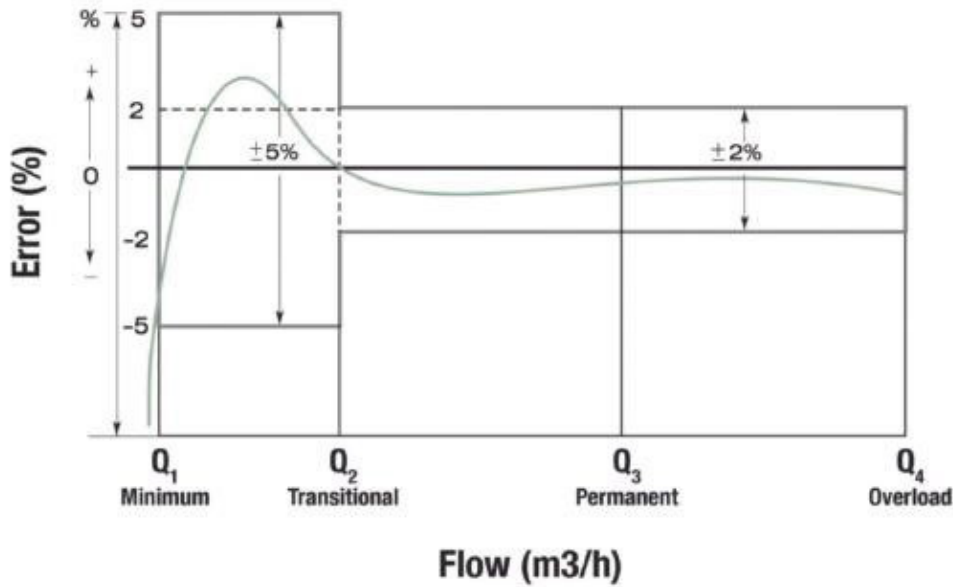
- ◆ Minimum Flow Rate (Q<sub>1</sub>) (Q min m<sup>3</sup>/h) - The absolute minimum flow required for the unit to function
- ◆ Transitional Flow Rate (Q<sub>2</sub>) (Qt m<sup>3</sup>/h) - Point at which the flow rate is high enough to get an accurate measurement
- ◆ Nominal Flow Rate (Q<sub>3</sub>) (QN m<sup>3</sup>/h) - Typical application for everyday usage
- ◆ Max Flow Rate (Q<sub>4</sub>) (Q max m<sup>3</sup>/h) - Refers to the emergency flow rate in the event of system failure. Damage may result

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## Pressure Loss Diagram



## Accuracy Curve



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