



Microwave WasteWater Meter WWM™

*Dynamic Flow
Technologies Ltd*

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The WasteWater Meter WWM™ provides a cost-effective, reliable and accurate solution for measuring the flow rate of wastewater pipes. It is a unique product that provides accurate wastewater metering through the non-intrusive microwave technology.

WWM™ is suitable for a wide range of applications including: Trade effluent wastewater output, Blue & Grey water measurement, Real-time sewer monitoring and flood prevention. There are two sizes of the WWM™ currently: 100mm (4-inch) and 150 mm (6-inch).

Real-time data monitoring and remote configuration are provided by the Remote Access Service (R.A.S.) as a complete monitoring service. It can output the data through a comprehensive web dashboard.

WasteWater Meter WWM™ Key Features

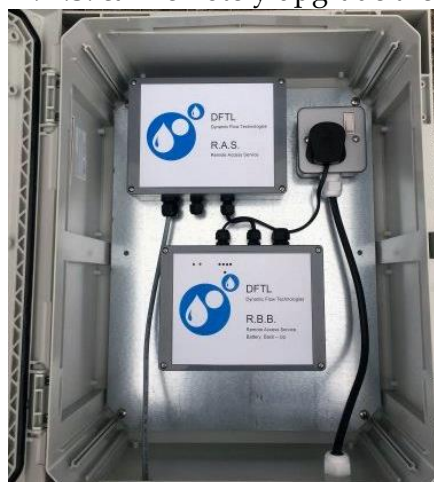
- Non-intrusive microwave technology
- Product is unique and patented
- Product is certificated to mCERTS
- Measures volume of Waste & Surface water to $\pm 8\%$
- Precisely reads real-time flow and gives a volumetric output
- Simple to fit in a meter chamber similar to clean water
- Ultra-low measurements from 200 litres per hour on gravity sewers
- Provide the data of the wastewater output through comprehensive web dashboard via the R.A.S.
- Real-time flood and sewer management
- Capable of battery, mains power & solar power
- Alarm for blocked or partially blocked pipe
- Ability to fit different sizes or types of pipes; 100mm (4-inch) and 150mm (6-inch) versions are available now
- Water proof and long lasting
- WRAS Polypropylene body - ABS head



[4-inch & 6-inch WasteWater Meter WWM™]

Remote Access Service (R.A.S.)

The Remote Access Service (R.A.S.) is a two-way communication system. It connects to the WWM™ and outputs the data to a comprehensive web dashboard. And R.A.S can connect to a sampler and enable more accurate sampling assessment. Also, R.A.S. can remotely upgrade the WWM™ internal software.



[R.A.S. & Battery Backup Box]



[R.A.S. & Sampler]

Typical Installation Points

- Commercial/ Industrial charging, including non-return to sewer allowances and surface water charge
- Urban creep, infiltration for new developments and sewer adoptions
- Inset appointments to manage cross charging
- Profiling and management of SuDS
- Smart Sewer catchment area management for flood protection
- Sewage works management
- Smart Cities - IoT application
- Management for Fats Oils & Grease build-up
- Monitoring production process



[WWM™ Typical installation]

Contact details



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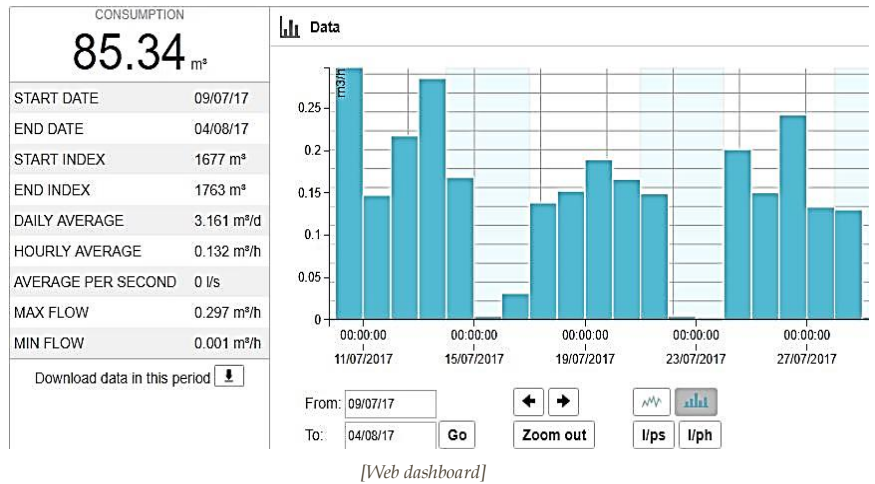
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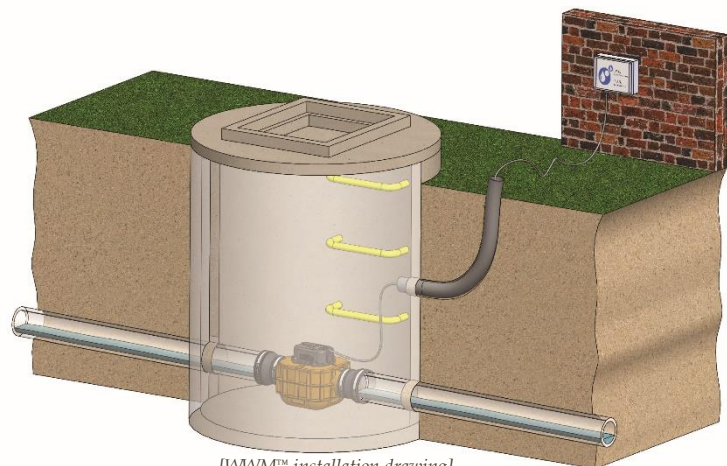
Web Dashboard



The comprehensive web dashboard displays the Key Performance Indicators and allows the user to download the data to most spreadsheet programs for further analysis.

Technical Specification

Flow Range	200 litres/hour to 20,000 litres/hour (100mm size pipe); 400 litres/hour to 40,000 litres/hour (150mm size pipe); Partial-filled pipe only
Accuracy	Measures volume of Waste & Surface water to $\pm 8\%$
Data Output	Volumetric display, LCD in cubic meters with 5 decimal places; Remote Access Service (R.A.S.); GPRS/3G/4G data; Pulse output; BMS Communications; RF Comms
Power Options	Mains power/ Solar power/ Battery
Product Material	Plastic body material; Blown Polypropylene (WRAS approved material)
Environmental	Operating temperature: -10°C to +40°C; Designed to meet IP68



[WWM™ installation drawing]