



Providing Consultancy, R&D, Flow Rig Simulation, Design, Fabrication and Engineering Expertise to Water Companies, Industry & Commerce

“Effective Water Pressure Management”

The unique hydraulic device that sustainably and cost effectively manages water pressure within any network.

Instantaneous modulation.* High Accuracy * Low to High Flows

The use of pressure control to reduce leakage and demand is international currency in the management of any water supply and distribution system. Lower stable pressures also reduce the frequency at which “Burst” mains and services occur as well as minimizing the rate of rise of leakage. These benefits are significantly increased if pressures are managed in response to changes in demand. To achieve this it is necessary to enable the pressure controller to sense velocity and correspond pressures accordingly, thereby avoiding unnecessarily high system pressures.

Aquavent UK can provide advice on effective use of pressure management and zoning by auditing existing networks and then providing recommendations with projected PMP, consumption and cost savings.

With 20+ years experience in the development and support of PRV modulating controllers, Aquavent UK has unrivalled know how. With our knowledge base we are able to offer clients on and off site support, we also provide full quality assurance and factory pre-setting (subject to data being available) by using our purpose built flow test facility. We also offer leakage studies, logging, monitoring, Independent performance testing on valves and other products, we can simulate common leakage areas and provide research, development and training for our clients.

*“ Protecting our environment and
Conserving our Life Source – Water ”*

Aquai-Mod® provides pressure and flow monitoring and subsequently optimizes pressure use increasing and decreasing subject to demand entirely without electronics. This means there is no compromise in control performance.

Aquai-Mod® responds to the natural occurrence of velocity.



Aquai-Mod® practical and theory training on our flow rig in Peterborough



Products are backed by Water Technology Listing Supported by DEFRA & HM Customs & Excise



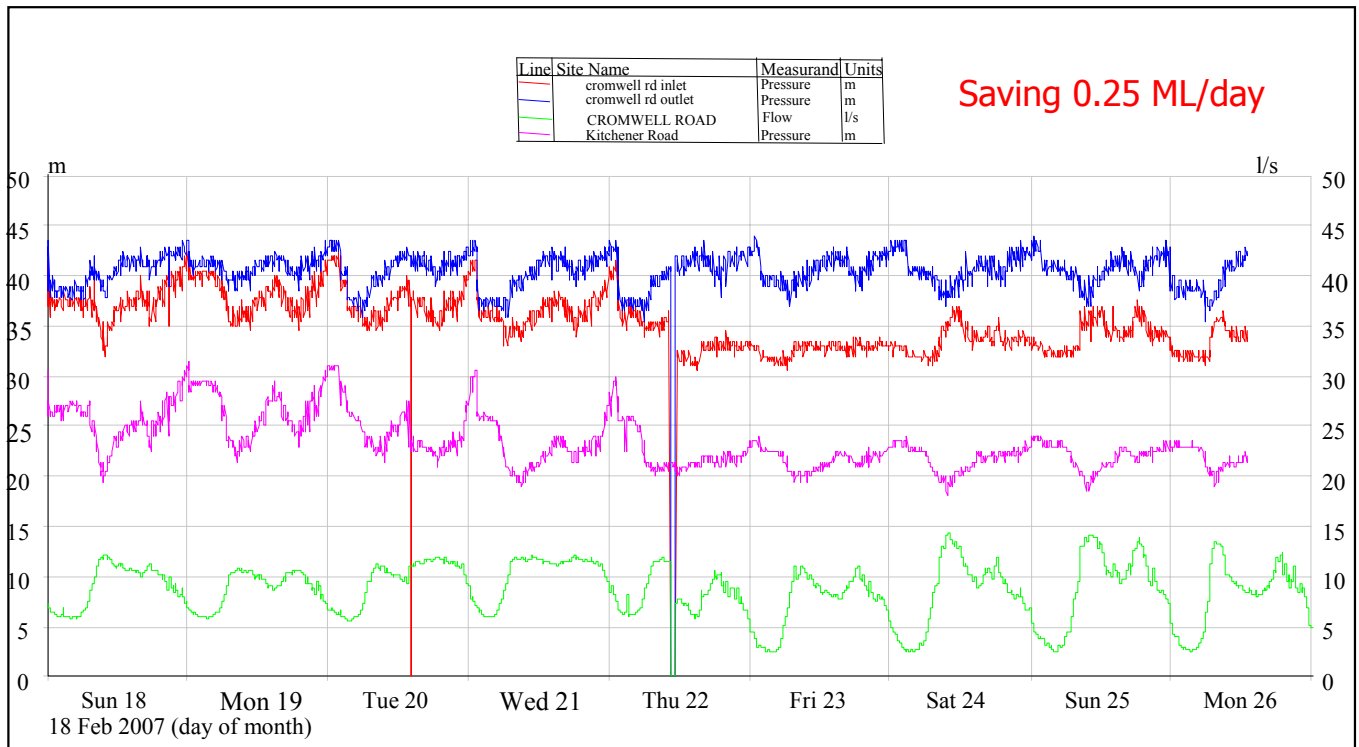
An Aquai-Mod® installed in a typical PRV chamber



The Control Solution

The control solution is very simple. However, successful modulation can only take place if the modulator mechanism is responsive to small changes in inlet pressures, typically plus or minus 0.5 meters. To achieve this Aquai-Mod[®] has been designed around a unique technology.

Aquai-Mod[®] logging information from a typical installation demonstrating performance



Continuous logging, monitoring
No Batteries
No civil engineering costs
Can be retrofitted to any tested PRV
Long term reliable operation.
Set & forget
Stainless Steel construction
Protecting the Environment and Conserving our Life Source – Water
Sustainable Construction & Production

For more information call:-

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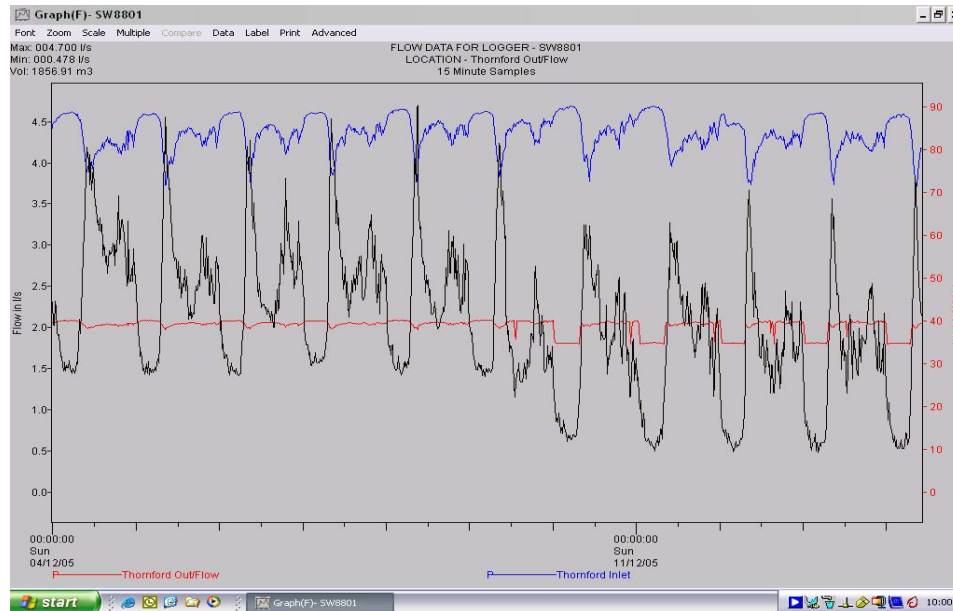
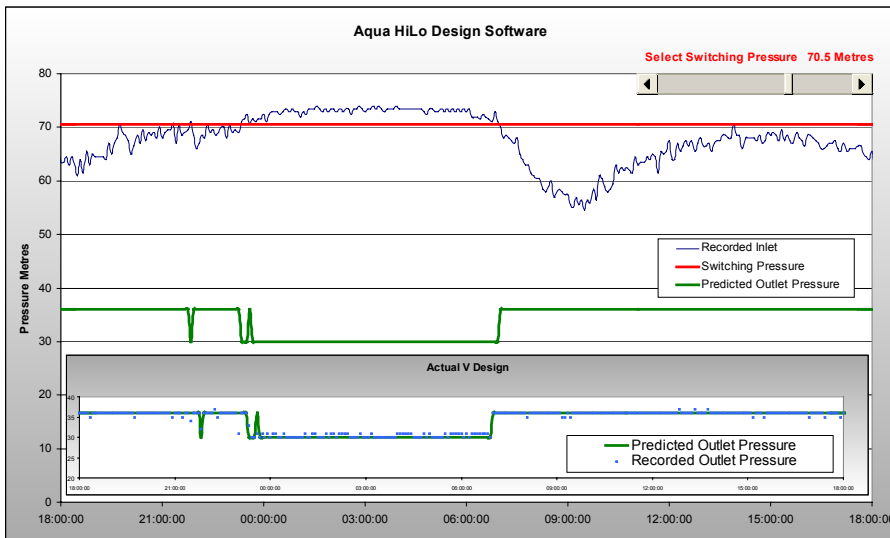
Aqua HiLo™:

Advantages:

- * Accurate 2 point control.
- * Long asset life
- * Completely hydraulic; No software/laptop needed, No meters/leads needed.
- * Can be retrofitted to all types of PRV's
- * Basic PRV knowledge needed to install/maintain.

Disadvantages:

- * Not suitable for all types of zones.



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Aquai-Mod[®]

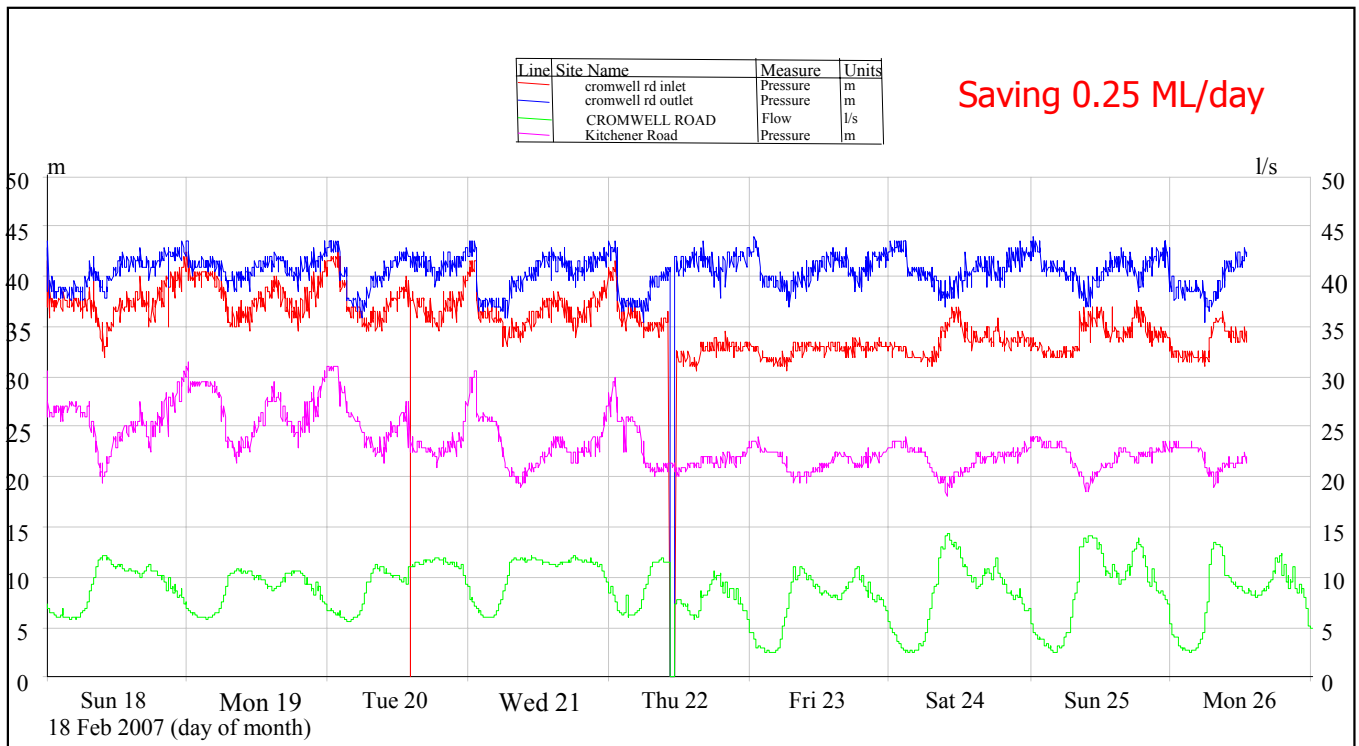
Advantages:

- * DG2 incidents eliminated
- * 24/7 logging capability,
- * Accurate full/instantaneous modulation.
- * Long asset life.
- * Completely hydraulic; No software/laptop needed
- * No meter required.
- * Can be retrofitted to all types of PRV's
- * Basic PRV knowledge needed to install/maintain.
- * Sustainable
- * Stainless Steel will not corrode
- * Maintenance as per PRV PMP – minimal cost
- *



Disadvantages:

- * None.



- Asset life of 12 years (min)
- Reduced/Eliminated Maintenance Costs
- Less additional water savings (3-5%)
- Less ECA on initial investment



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Aquai-Mod is a registered trademark of Aquavent UK Ltd