

# The Watermark

The Newsletter From

**Automated Water & Effluent Ltd**

Summer 2007

## NEW CATALOGUE PUTS OUR FULL RANGE AT YOUR FINGERTIPS

It is with great pride and pleasure that we present our new catalogue AWE Direct. The pride stems from the product range we have, the continuous achievements of our company and our promising future.

To our new customers both at home and overseas we offer our greetings and our full complement of services. To all our existing customers we are proud to announce many new additions to our product range.

### UNRIVALLED RESOURCES & EXPERTISE

To all our customers we are pleased to offer our expertise and resources in analytical measurement and control. To obtain maximum value from our new catalogue we recommend you spend a short time familiarising yourself with its contents as we feel sure the efforts will be amply repaid.

Always remember you can now see us on

our web site at [www.awe-ltd.co.uk](http://www.awe-ltd.co.uk) email us, fax us or simply call us. We are here to help.

Never losing sight of our customers real needs, we search the world markets to bring you the best, most appropriate and the very latest technology.

### COST EFFECTIVE & WELL FEATURED

The result is an unmatched range of cost effective, well featured instruments and controls, many exclusive to AWE. Our range includes virtually everything you're likely to need.

### CONSTANT REVIEW POLICY

Since technology does not stand still our range is under constant review so you can be confident in our solutions.

Designed to take the heartache out of sourcing your next project.



If you haven't already had a copy of our new catalogue, or would like a colleague to receive one, then ring our sales hotline on **01785 254597**.

## IN THIS ISSUE

Welcome to this latest edition of The Watermark, our regular newsletter for customers and suppliers.

In this issue we are introducing a new member of staff in our service department as well as bringing you up to date with the latest product news and developments.

We hope that you and your colleagues find something of interest in The Watermark and welcome any suggestions for articles you wish to see in future issues. If you are not on our regular mailing list, please do not hesitate to contact us. We will make sure that you receive regular copies from now on.

Our service team has been strengthened with the addition of Simon Flude.

Simon, along with Service Manager Bill Washbourne and Senior Service Engineer Chris Michael, are able to offer service and calibration facilities tailored to our customers requirements, whether it be a buffering service to maintain optimum efficiency of an effluent treatment plant or certification of laboratory pH and conductivity instruments traceable to national standards.

### ENHANCED REPUTATION.

AWE's already renowned reputation for after sales support has been further enhanced by its engineers attaining the IOSH Passport Scheme accreditation.

Already very active in the food industry for calibration and certification of instrumentation, AWE provide national coverage for its complete range of products as well as workshop repair and calibration facilities.



Bill Washbourne, Simon Flude and Chris Michael prepare to hit the road.

# HIGH PERFORMANCE ELECTRONIC DOSING PUMP

**AND ALL THE  
ACCESSORIES  
YOU WILL EVER  
NEED**

Automated Water and Effluent Ltd offer one of the largest ranges of electronic metering pump available. Our red pumps divide into two distinct styles being the F, and G series of pumps which are for mounting on a flat vertical surface IE wall mounting. The F series are stocked in two types the FCO which are our simplest pumps with just an on/off switch and a frequency (speed) control scaled 0 - 100% the FPV features a low level cutout and external pacing from a water meter or pH controller where the pump output is controlled externally. The G series is a much larger pump with increased outputs up to 100 l/Hr at 0 bar available in GCO and GPV versions.



The second distinct styles being the H and CMS series of pumps which are for mounting on a flat horizontal surface IE tank top mounting. The HCO features both manually adjustable stroke and adjustable frequency providing a greater turndown ratio. The HPV has a low level cutout and external pacing input with the ability to multiply or divide the input frequency

signal so the pump will be compatible with most water meter k values. The CMS-PV has the same features with increased output upto 60 l/Hr against 2 bar pressure. To complement the listed pumps we are pleased to announce the all new "V" Series which are surface mounting and comprise of two ranges the VCO which

like the FCO and GCO are the simple basic pumps with just speed (frequency) control scaled 0 - 100% of the rated output. The VMS Range is microprocessor based menu driven and offers a fantastic range of functions which include precise setting of the number of strokes the pump makes per minute or hour, external pacing from a water meter or other controller with the ability to multiply or divide , ppm or batch settings dose proportionally to a current or voltage signal. The VMS

series also features low level cutout and the option to fit a flow sensor for feed verification and alarm on no chemical flow. available to special order are VMS pumps with either a direct pH or redox input from the measuring electrode.

To compliment our electronic dosing pumps we also supply a comprehensive array of accessories.

These include a foot valve and strainer for use when pumping with a suction lift from a chemical container or dosing tank. This prevents the pump from losing its prime when not operating.

Pressure relief valves prevent damage to the pump or pipework. Loading or anti syphon valves are used when dosing to an open end to give the pump some pressure to work against, and are required when the dosing point is lower than the pump suction or head of chemical to prevent syphoning.

Pulsation dampers remove pulses from the dosed output. An injection valve enables dosing into pipes or vessels under pressure.

## THE GRAPEVINE

Have you heard how AWE helped ...

... A major Midlands manufacturing company achieve considerable savings on metered effluent discharge by installing a FPU2000 ultrasonic flow meter. The system provides instantaneous readout of flow in litres/Sec and a flow totalisation in cubic meters .

... A large dairy ensure maximum efficiency of a water softening plant by means of a SI7685 specific ion meter The instrument displays a direct reading of water hardness in ppm and activates an alarm when it is time to regenerate the softener.

Remember, you heard it on the AWE grapevine.

## STOP PRESS STOP PRESS STOP PRESS



Another new product to be unveiled by AWE is the Model Slimflex SAT4 a microprocessor based Cooling Water Controller for the control of chemical dosing and water bleed of an evaporative cooling tower with the following control functions. Biocide timer for 1, 7, or 28 days duration. Oxidising Biocide control by Redox with chemical limit timer to prevent overdosing

Corrosion inhibitor dosing proportional to make up flow TDS control by Conductivity with bleed lock out timer. Optional flow switch to prevent dosing when there no sample is flow. Optional Ethernet network for connection to a laptop computer or LAN network

The Slimflex SAT4 maybe pre mounted on a PVC backplate with separate terminal J-box for easy on site installation.