

## Section 2

### Solenoid Metering Pumps

## Section 2 Solenoid Metering Pumps

2



|                                                                    |         |
|--------------------------------------------------------------------|---------|
| K Series Metering Pumps, 0-18 l/h                                  | Page 1  |
| KA Series Metering Pumps, 0-13 l/h, Self Venting                   | Page 2  |
| KMS Digital Series Metering Pumps, 0-18 l/h                        | Page 3  |
| KMSA Digital Series Metering Pumps, 0-13 l/h, Self Venting         | Page 4  |
| KMS LPV Series Metering Pumps, 0-18 l/h, Viscous Media             | Page 5  |
| AMS Series Metering Pumps, 0-60 l/h                                | Page 6  |
| AMSA Series Metering Pumps, 0-38.5 l/h, Self Venting               | Page 7  |
| AMS Digital Series Metering Pumps, 0-60 l/h                        | Page 8  |
| AMSA Digital Series Metering Pumps, 0-38.5 l/h, Self Venting       | Page 9  |
| AMS LPV Series Metering Pumps, 0-60 l/h, Viscous Media             | Page 10 |
| AMS P Series Metering Pumps, 0-40 l/h, Highly Viscous Media        | Page 11 |
| T Series Metering Pumps, 0-100 l/h, Wall Mounting                  | Page 12 |
| TA Series Metering Pumps, 0-35 l/h, Self Venting                   | Page 13 |
| TP Series Metering Pumps, 0-25 l/h, Wall Mounting, Viscous Media   | Page 14 |
| V Series Metering Pumps, 0-16 l/h, Wall Mounting                   | Page 15 |
| VA Series Metering Pumps, 0-13.5 l/h, Wall Mounting, Self Venting  | Page 16 |
| VMS Digital Series Metering Pumps, 0-16 l/h, Wall Mounting         | Page 17 |
| VMSA Digital Series Metering Pumps, 0-13.5 l/h, Wall, Self Venting | Page 18 |
| WD Series Dual Swimming Pool Pump with Controllers                 | Page 19 |
| WH Series Dual Swimming Pool Pump with Controllers                 | Page 20 |
| WTC Series Dual Cooling Tower Pump with Controllers                | Page 21 |
| F Series Metering Pumps, 0-8.5 l/h                                 | Page 22 |

## Section 2

### Solenoid Metering Pumps

2

## EMEC K Series

### Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Analogue Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End & Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The K series metering pumps provide a high quality option for metering chemicals into industrial processes at competitive prices.

K series pumps feature micro-processor control and double ball valves for accuracy, and the integral bleed assists with priming. A range of input signals can be used depending on the model, see below.

All pumps are supplied with suction tubing, discharge tubing, foot valve and injection valve. A low level float switch and control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Tube Size ID x OD |
|-------|--------------|----------|-----------|---------------------|-------------------|
| 2001  | 20           | 1        | 0.10      | 3/8                 | 4 x 6             |
| 1802  | 18           | 2        | 0.19      | 3/8                 | 4 x 6             |
| 1504  | 15           | 4        | 0.37      | 3/8                 | 4 x 6             |
| 1005  | 10           | 5        | 0.46      | 3/8                 | 4 x 6             |
| 0808  | 8            | 8        | 0.74      | 3/8                 | 4 x 6             |
| 0510  | 5            | 10       | 0.93      | 3/8                 | 4 x 6             |
| 0501  | 5            | 1        | 0.09      | 3/8                 | 4 x 6             |
| 0218  | 2            | 18       | 1.67      | 3/8                 | 6 x 8             |

#### Models:

| Model    | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|----------|--------------------------|-------------------------|--------------|----------------|
| KCO PLUS | ✓                        | ✓                       |              |                |
| KCL PLUS | ✓                        | ✓                       | ✓            |                |
| K PLUS   | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |

#### Options:

Liquid end, valves & O-rings in alternative materials, alternative voltages, liquid ends for viscous media, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC KA Series

### Self Venting Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Analogue Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The KA series metering pumps have a self venting liquid end fitted. Recommended for medias that emit gasses, the self priming function ensures reliable metering.

KA series pumps feature micro-processor control and double ball valves for accuracy. A range of input signals can be used depending on the model, see below.

All pumps are supplied with suction tubing, discharge tubing, foot valve and injection valve. A low level float switch in PVDF and control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Tube Size ID x OD |
|--------|--------------|----------|-----------|---------------------|-------------------|
| 1801   | 18           | 1        | 0.10      | 3/8                 | 4 x 6             |
| 1503   | 15           | 3        | 0.28      | 3/8                 | 4 x 6             |
| 1003.5 | 10           | 3.5      | 0.32      | 3/8                 | 4 x 6             |
| 1000.5 | 10           | 0.5      | 0.05      | 3/8                 | 4 x 6             |
| 0805.5 | 8            | 5.5      | 0.51      | 3/8                 | 4 x 6             |
| 0507.5 | 5            | 7.5      | 0.69      | 3/8                 | 4 x 6             |
| 0213   | 2            | 13       | 1.20      | 3.8                 | 6 x 8             |

#### Models:

| Model     | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|-----------|--------------------------|-------------------------|--------------|----------------|
| KACO PLUS | ✓                        | ✓                       |              |                |
| KACL PLUS | ✓                        | ✓                       | ✓            |                |
| KA PLUS   | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |

#### Options:

Liquid ends, valves & O-rings in alternative materials, alternative voltages, liquid ends for viscous media, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC KMS Digital Series

### Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Digital Display
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 1sph-180spm
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*
- Built-in Weekly Timer on MF Version



The KMS series metering pumps provide a high quality option with digital controls. These pumps provide advanced features and control options.

KMS series pumps feature micro-processor control and double ball valves for accuracy, and the integral bleed assists with priming. A range of input signals can be used depending on the model, see below.

All pumps are supplied with suction and discharge tubing, foot valve and injection valve, and low level float switch in PVDF. Control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Tube Size ID x OD |
|-------|--------------|----------|-----------|---------------------|-------------------|
| 2001  | 20           | 1        | 0.10      | 3/8                 | 4 x 6             |
| 1802  | 18           | 2        | 0.19      | 3/8                 | 4 x 6             |
| 1504  | 15           | 4        | 0.37      | 3/8                 | 4 x 6             |
| 1005  | 10           | 5        | 0.46      | 3/8                 | 4 x 6             |
| 0808  | 8            | 8        | 0.74      | 3/8                 | 4 x 6             |
| 0510  | 5            | 10       | 0.93      | 3/8                 | 4 x 6             |
| 0501  | 5            | 1        | 0.09      | 3/8                 | 4 x 6             |
| 0218  | 2            | 18       | 1.67      | 3/8                 | 6 x 8             |

#### Models:

**NOTE: Probes sold separately \*\***

| Model  | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input             |
|--------|--------------------------|-------------------------|--------------|-------------------|
| KMS DC | ✓                        | ✓                       | ✓            |                   |
| KMS MF | ✓                        | ✓                       | ✓            | Pulse / 4-20mA    |
| KMS CL | ✓                        | ✓                       | ✓            | Chlorine Probe ** |
| KMS RH | ✓                        | ✓                       | ✓            | ORP Probe **      |
| KMS PH | ✓                        | ✓                       | ✓            | PH Probe **       |

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC KMSA Digital Series

### Self Venting Metering Pumps

2

#### Standard Features:

- Microprocessor Technology
- Digital Display
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 1sph-180spm
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*
- Built-in Weekly Timer on MF Version



The KMSA series metering pumps provide a high quality metering pump with digital controls and a self venting head. These pumps provide advanced features and control options.

KMSA series pumps feature micro-processor control and double ball valves for accuracy, and have a self venting liquid end fitted. For medias that emit gasses, the self venting function ensures reliable metering. A range of input signals can be used depending on the model, see below.

All pumps are supplied with suction and discharge tubing, foot valve and injection valve, and low level float switch in PVDF. Control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Tube Size ID x OD |
|--------|--------------|----------|-----------|---------------------|-------------------|
| 1801   | 18           | 1        | 0.10      | 3/8                 | 4 x 6             |
| 1503   | 15           | 3        | 0.28      | 3/8                 | 4 x 6             |
| 1003.5 | 10           | 3.5      | 0.32      | 3/8                 | 4 x 6             |
| 1000.5 | 10           | 0.5      | 0.05      | 3/8                 | 4 x 6             |
| 0805.5 | 8            | 5.5      | 0.51      | 3/8                 | 4 x 6             |
| 0507.5 | 5            | 7.5      | 0.69      | 3/8                 | 4 x 6             |
| 0213   | 2            | 13       | 1.20      | 3/8                 | 6 x 8             |

#### Models:

**NOTE: Probes sold separately \*\***

| Model   | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input             |
|---------|--------------------------|-------------------------|--------------|-------------------|
| KMSA DC | ✓                        | ✓                       | ✓            |                   |
| KMSA MF | ✓                        | ✓                       | ✓            | Pulse / 4-20mA    |
| KMSA CL | ✓                        | ✓                       | ✓            | Chlorine Probe ** |
| KMSA RH | ✓                        | ✓                       | ✓            | ORP Probe **      |
| KMSA PH | ✓                        | ✓                       | ✓            | PH Probe **       |

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC KMS LPV Series

Metering Pumps for Viscous Media - up to 8000cPs

### Standard Features:

- Microprocessor Technology
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End in PMMA
- Level of Protection IP65
- 5 Year Warranty\*
- Built-in Weekly Timer on MF Version



The KMS-LPV series metering pumps are a robust high quality pump with advanced features and control options. The KMS-LPV series pumps feature dosing heads that are modified to handle viscous media up to 8000cPs. A range of input signals can be used depending on the model, see below.

All pumps are supplied with suction tubing, discharge tubing and an injection valve, Control and alarm cables are also included where relevant.

### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/stroke | Valve size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 1802  | 18           | 2        | 0.19      | 3/8                 | 16 x 22              | 8 x 12                 |
| 1504  | 15           | 4        | 0.37      | 3/8                 | 16 x 22              | 8 x 12                 |
| 1005  | 10           | 5        | 0.46      | 3/8                 | 16 x 22              | 8 x 12                 |
| 0808  | 8            | 8        | 0.74      | 3/8                 | 16 x 22              | 8 x 12                 |
| 0510  | 5            | 10       | 0.93      | 3/8                 | 16 x 22              | 8 x 12                 |
| 0218  | 2            | 18       | 1.67      | 3/8                 | 16 x 22              | 8 x 12                 |

### Models:

**NOTE: Probes sold separately \*\***

| Model        | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input             |
|--------------|--------------------------|-------------------------|--------------|-------------------|
| KCO PLUS LPV | ✓                        | ✓                       |              |                   |
| KCL PLUS LPV | ✓                        | ✓                       | ✓            |                   |
| K PLUS LPV   | ✓                        | ✓                       | ✓            | Pulse / 4-20mA    |
| KMS DC LPV   | ✓                        | ✓                       | ✓            |                   |
| KMS MF LPV   | ✓                        | ✓                       | ✓            | Pulse / 4-20mA    |
| KMS CL LPV   | ✓                        | ✓                       | ✓            | Chlorine Probe ** |
| KMS RH LPV   | ✓                        | ✓                       | ✓            | ORP Probe **      |
| KMS PH LPV   | ✓                        | ✓                       | ✓            | PH Probe **       |

### Options:

Valves & O-rings in alternative materials, alternative voltages, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC AMS Series

### Metering Pumps

2

#### Standard Features:

- Microprocessor Technology
- Analogue Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The AMS analogue series metering pumps are similar in function to the K series, but for larger applications. The AMS analogue series features microprocessor control for accuracy, manual stroke rate and stroke length adjustment and a range of process input signals depending on the model.

All pumps are supplied with suction tubing, discharge tubing, foot valve, injection valve. A low level float switch and control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2505  | 25           | 5        | 0.7       | 3/8                 | 4 x 6                | 4 x 6                  |
| 1510  | 15           | 10       | 1.4       | 3/8                 | 4 x 6                | 4 x 6                  |
| 1015  | 10           | 15       | 2.1       | 3/8                 | 6 x 8                | 6 x 8                  |
| 0720  | 7            | 20       | 2.8       | 1/2                 | 6 x 8                | 6 x 8                  |
| 0340  | 3            | 40       | 5.6       | 3/4                 | 8 x 12               | 8 x 10                 |
| 0260  | 2            | 60       | 7.7       | 3/4                 | 8 x 12               | 8 x 10                 |

#### Models:

| Model       | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|-------------|--------------------------|-------------------------|--------------|----------------|
| AMS CO PLUS | ✓                        | ✓                       |              |                |
| AMS CL PLUS | ✓                        | ✓                       | ✓            |                |
| AMS PLUS    | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |

#### Options:

Liquid ends, valves & O-rings in alternative materials, alternative voltages, liquid ends for viscous media, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC AMSA Series

### Self Venting Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Analogue Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The AMSA analogue series metering pumps are similar in function to the K series, but for larger applications. The AMSA is the same as the AMS, but features a self venting function, to ensure reliable operation with liquids that emit gasses.

All pumps are supplied with suction tubing, discharge tubing, foot valve and injection valve. A low level float switch and control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|--------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2503.2 | 25           | 3.2      | 0.44      | 3/8                 | 4 x 6                | 4 x 6                  |
| 1506   | 15           | 6        | 0.83      | 3/8                 | 4 x 6                | 4 x 6                  |
| 1010   | 10           | 10       | 1.40      | 3/8                 | 6 x 8                | 6 x 8                  |
| 0713   | 7            | 13       | 1.81      | 1/2                 | 6 x 8                | 6 x 8                  |
| 0330   | 3            | 30       | 4.17      | 3/4                 | 8 x 12               | 8 x 10                 |
| 0238.5 | 2            | 38.5     | 5.35      | 3/4                 | 8 x 12               | 8 x 10                 |

#### Models:

| Model        | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|--------------|--------------------------|-------------------------|--------------|----------------|
| AMSA CO PLUS | ✓                        | ✓                       |              |                |
| AMSA CL PLUS | ✓                        | ✓                       | ✓            |                |
| AMSA PLUS    | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |

#### Options:

Liquid ends, valves & O-rings in alternative materials, liquid ends for viscous media, alternative voltages, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC AMS Digital Series

### Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Digital Display
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The AMS digital series metering pumps feature smart microprocessor controls, providing outstanding accuracy with quartz timing, and EEPROM storage of data and settings during power outages. An LCD display is utilised for display of measured values, stroking rates, and assists with pump setup and calibration functions. A variety of input signals can be accepted depending on the model, see below.

All pumps are supplied with suction and discharge tubing, foot valve, injection valve. A low level float switch and control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2505  | 25           | 5        | 0.7       | 3/8                 | 4 x 6                | 4 x 6                  |
| 1510  | 15           | 10       | 1.4       | 3/8                 | 4 x 6                | 4 x 6                  |
| 1015  | 10           | 15       | 2.1       | 3/8                 | 6 x 8                | 6 x 8                  |
| 0720  | 7            | 20       | 2.8       | 1/2                 | 6 x 8                | 6 x 8                  |
| 0340  | 3            | 40       | 5.6       | 3/4                 | 8 x 12               | 8 x 10                 |
| 0260  | 2            | 60       | 7.7       | 3/4                 | 8 x 12               | 8 x 10                 |

#### Models:

**NOTE: Probes sold separately \*\***

| Model  | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|--------|--------------------------|-------------------------|--------------|----------------|
| AMS MF | ✓                        | ✓                       |              | Pulse / 4-20mA |
| AMS RH | ✓                        | ✓                       | ✓            | ORP Probe **   |
| AMS PH | ✓                        | ✓                       | ✓            | PH Probe **    |

#### Options:

Liquid ends, valves & O-rings in alternative materials, liquid ends for high viscosity, alternative voltages. Selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC AMSA Digital Series

### Self Venting Metering Pumps

#### Standard Features:

- Microprocessor Technology
- Digital Display
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End and Accessories in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The AMSA digital series metering pumps feature smart microprocessor controls, providing outstanding accuracy with quartz timing. An LCD display is utilised for display of measured values, stroking rates, and assists with pump setup and calibration functions. A variety of input signals can be accepted depending on the model, see below. The AMSA series metering pumps have a self venting liquid end fitted. For medias that emit gasses, the self priming function ensures reliable metering.

All pumps are supplied with suction and discharge tubing, foot valve, injection valve, and low level float switch in PVDF. Control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|--------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2503.2 | 25           | 3.2      | 0.44      | 3/8                 | 4 x 6                | 4 x 6                  |
| 1506   | 15           | 6        | 0.83      | 3/8                 | 4 x 6                | 4 x 6                  |
| 1010   | 10           | 10       | 1.4       | 3/8                 | 6 x 8                | 6 x 8                  |
| 0713   | 7            | 13       | 1.81      | 1/2                 | 6 x 8                | 6 x 8                  |
| 0330   | 3            | 30       | 4.17      | 3/4                 | 8 x 12               | 8 x 10                 |
| 0238.5 | 2            | 38.5     | 5.35      | 3/4                 | 8 x 12               | 8 x 10                 |

#### Models:

**NOTE: Probes sold separately \*\***

| Model   | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|---------|--------------------------|-------------------------|--------------|----------------|
| AMSA MF | ✓                        | ✓                       |              | Pulse / 4-20mA |
| AMSA RH | ✓                        | ✓                       | ✓            | ORP Probe **   |
| AMSA PH | ✓                        | ✓                       | ✓            | PH Probe **    |

#### Options:

Liquid ends, valves & O-rings in alternative materials, liquid ends for viscous media, alternative voltages, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC AMS LPV Series

Metering Pumps for Viscous Media - up to 8000cPs

### Standard Features:

- Microprocessor Technology
- Digital Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End in PMMA
- Level of Protection IP65
- 5 Year Warranty\*



The AMS-LPV series metering pumps provide a high quality option with digital controls. These pumps provide advanced features and control options. AMS-LPV series pumps feature dosing heads that are modified to handle viscous media up to 8000cPs. A range of input signals can be used depending on the model (see below).

All pumps are supplied with suction and discharge tubing and injection valve. Control cables are also included where relevant.

Note: Flow may change according to viscosity. Indicated flow rates measured with water.

### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2505  | 25           | 5        | 0.7       | 3/4                 | 16 x 22              | 8 x 12                 |
| 1510  | 15           | 10       | 1.4       | 3/4                 | 16 x 22              | 8 x 12                 |
| 1015  | 10           | 15       | 2.1       | 3/4                 | 16 x 22              | 8 x 12                 |
| 0720  | 7            | 20       | 2.8       | 3/4                 | 16 x 22              | 8 x 12                 |
| 0340  | 3            | 40       | 5.6       | 3/4                 | 16 x 22              | 8 x 12                 |
| 0260  | 2            | 60       | 7.7       | 3/4                 | 16 x 22              | 8 x 12                 |

### Models:

**NOTE: Probes sold separately \*\***

| Model           | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|-----------------|--------------------------|-------------------------|--------------|----------------|
| AMS CO PLUS LPV | ✓                        | ✓                       |              |                |
| AMS CL PLUS LPV | ✓                        | ✓                       | ✓            |                |
| AMS PLUS LPV    | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |
| AMS MF LPV      | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |
| AMS RH LPV      | ✓                        | ✓                       | ✓            | ORP Probe **   |
| AMS PH LPV      | ✓                        | ✓                       | ✓            | PH Probe **    |

### Options:

Liquid ends, valves & O-rings in alternative materials, alternative voltages, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC AMS P Series

Metering Pumps for Viscous Media - up to 50,000cPs

### Standard Features:

- Microprocessor Technology
- Analogue Controls
- Stroke Length Adjustment 0-100%
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End in PMMA
- Level of Protection IP65
- 5 Year Warranty\*



The AMS-P series metering pumps are specifically designed for handling very high viscosity liquids.

A variety of input signals can be accepted depending on the model, see below.

### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|----------------------|------------------------|
| 0802  | 8            | 2        | 0.28      | 20 x 27              | 16 x 22                |
| 0604  | 6            | 4        | 0.56      | 20 x 27              | 16 x 22                |
| 0410  | 4            | 10       | 1.4       | 20 x 27              | 16 x 22                |
| 0225  | 2            | 25       | 3.5       | 20 x 27              | 16 x 22                |
| 0140  | 1            | 40       | 5.6       | 20 x 27              | 16 x 22                |

### Models:

**NOTE: Probes sold separately \*\***

| Model        | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|--------------|--------------------------|-------------------------|--------------|----------------|
| AMSP CO PLUS | ✓                        | ✓                       |              |                |
| AMSP PLUS    | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |
| AMSP MF      | ✓                        | ✓                       | ✓            | Pulse / 4-20mA |
| AMSP RH      | ✓                        | ✓                       | ✓            | ORP Probe **   |
| AMSP PH      | ✓                        | ✓                       | ✓            | PH Probe **    |

### Options:

Valves & O-rings in alternative materials, alternative voltages, selection of colours.

\*Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC T Series Metering Pumps

### Standard Features:

- Wall Mounting
- Microprocessor Technology
- Analogue or Digital Control Options
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene.
- Liquid End in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The T series metering pumps provide a simple, economical solution for larger applications, in a convenient wall mounting option.

All pumps are supplied with suction and discharge tubing, foot valve and injection valve. Control cables and low level chemical floats are also included where relevant.

### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2005  | 20           | 5        | 0.7       | 3/8                 | 4 x 6                | 4 x 6                  |
| 0515  | 5            | 15       | 2.1       | 1/2                 | 6 x 8                | 6 x 8                  |
| 0420  | 4            | 20       | 2.8       | 1/2                 | 6 x 8                | 6 x 8                  |
| 0330  | 3            | 30       | 4.2       | 3/4                 | 8 x 12               | 8 x 10                 |
| 0150  | 1            | 50       | 7         | 3/4                 | 8 x 12               | 8 x 10                 |
| 00100 | 0            | 100      | 14        | 3/4                 | 12 x 18              | 12 x 18                |

### Models:

**NOTE: Probes sold separately \*\***

| Model  | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|--------|--------------------------|-------------------------|--------------|----------------|
| T CO   |                          | ✓                       |              |                |
| T CL   |                          | ✓                       | ✓            |                |
| TMS DC |                          | ✓                       | ✓            |                |
| TMS MF |                          | ✓                       | ✓            | Pulse / 4-20mA |
| TMS RH |                          | ✓                       | ✓            | ORP Probe **   |
| TMS PH |                          | ✓                       | ✓            | PH Probe **    |

### Options:

Alternative voltages, liquid ends, valves & O-rings in alternative materials, selection of colours.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC TA Series

### Self Venting Metering Pumps

#### Standard Features:

- Wall Mounting
- Microprocessor Technology
- Analogue or Digital Control Options
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End in PVDF, PP or SS
- Level of Protection IP65
- 5 Year Warranty\*



The TA series metering pumps provide a simple, economical solution for larger applications, in a convenient wall mounting option.

Fitted with a self venting head to ensure reliable Chlorine service.

All pumps are supplied with suction and discharge tubing, foot valve and injection valve. Control cables and low level chemical floats are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Suction Tube ID x OD | Discharge Tube ID x OD |
|--------|--------------|----------|-----------|---------------------|----------------------|------------------------|
| 2003.2 | 20           | 3.2      | 0.44      | 3/8                 | 4 x 6                | 4 x 6                  |
| 0510   | 5            | 10       | 1.39      | 1/2                 | 6 x 8                | 6 x 8                  |
| 0413   | 4            | 13       | 1.8       | 1/2                 | 6 x 8                | 6 x 8                  |
| 0320   | 3            | 20       | 2.7       | 3/4                 | 8 x 12               | 8 x 10                 |
| 0135   | 1            | 35       | 7.4       | 3/4                 | 8 x 12               | 8 x 10                 |

#### Models:

**NOTE: Probes sold separately \*\***

| Model   | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|---------|--------------------------|-------------------------|--------------|----------------|
| TA CO   |                          | ✓                       |              |                |
| TA CL   |                          | ✓                       | ✓            |                |
| TMSA DC |                          | ✓                       | ✓            |                |
| TMSA MF |                          | ✓                       | ✓            | Pulse / 4-20mA |
| TMSA RH |                          | ✓                       | ✓            | ORP Probe **   |
| TMSA PH |                          | ✓                       | ✓            | PH Probe **    |

#### Options:

Alternative voltages, liquid ends, valves & O-rings in alternative materials.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC TP Series

Metering Pumps for Viscous Media - up to 50,000cPs

### Standard Features:

- Wall Mounting
- Microprocessor Technology
- Analogue or Digital Control Options
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid End in PMMA
- Level of Protection IP65
- 5 Year Warranty\*



The T P series metering pumps are fitted with a high viscosity liquid end, to handle liquids up to 50,000cPs.

### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Suction Tube ID x OD | Discharge Tube ID x OD |
|-------|--------------|----------|-----------|----------------------|------------------------|
| 0601  | 6            | 1        | 0.14      | 20 x 27              | 16 x 22                |
| 0403  | 4            | 3        | 0.42      | 20 x 27              | 16 x 22                |
| 0208  | 2            | 8        | 1.2       | 20 x 27              | 16 x 22                |
| 0120  | 1            | 20       | 2.8       | 20 x 27              | 16 x 22                |
| 0.525 | 0.5          | 25       | 3.5       | 20 x 27              | 16 x 22                |

### Models:

**NOTE: Probes sold separately \*\***

| Model   | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|---------|--------------------------|-------------------------|--------------|----------------|
| TP CO   |                          | ✓                       |              |                |
| TMSP DC |                          | ✓                       | ✓            |                |
| TMSP MF |                          | ✓                       | ✓            | Pulse / 4-20mA |
| TMSP RH |                          | ✓                       | ✓            | ORP Probe **   |
| TMSP PH |                          | ✓                       | ✓            | PH Probe **    |

### Options:

Alternative voltages, liquid ends, valves & o-rings in alternative materials.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC V Series

### Metering Pumps

#### Standard Features:

- Wall Mounting
- Analogue Controls
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*



The V series metering pumps provide effective metering in an economical wall mounting format. These units are commonly used in swimming pools, heating and cooling systems and on rural water supplies.

All pumps are supplied with suction tubing, discharge tubing, foot valve and injection valve. Low level float switches and control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Tube Size ID x OD |
|-------|--------------|----------|-----------|-------------------|
| 2001  | 20           | 1        | 0.1       | 4 x 8             |
| 1802  | 18           | 2        | 0.19      | 4 x 8             |
| 1804  | 18           | 4        | 0.37      | 4 x 8             |
| 1502  | 15           | 2        | 0.19      | 4 x 6             |
| 1504  | 15           | 4        | 0.37      | 4 x 6             |
| 1505  | 15           | 5        | 0.46      | 4 x 6             |
| 1004  | 10           | 4        | 0.37      | 4 x 6             |
| 1005  | 10           | 5        | 0.46      | 4 x 6             |
| 1010  | 10           | 10       | 0.93      | 4 x 6             |
| 0706  | 7            | 6        | 0.56      | 4 x 6             |
| 0501  | 5            | 1        | 0.1       | 4 x 6             |
| 0510  | 5            | 10       | 0.93      | 4 x 6             |
| 0512  | 5            | 12       | 1.11      | 4 x 6             |
| 0408  | 4            | 8        | 0.74      | 4 x 6             |
| 0310  | 3            | 10       | 0.93      | 4 x 6             |
| 0215  | 2            | 15       | 1.38      | 6 x 8             |
| 0116  | 1            | 16       | 1.48      | 6 x 8             |

#### Models:

| Model | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input |
|-------|--------------------------|-------------------------|--------------|-------|
| VCO   |                          | ✓                       |              |       |
| VCL   |                          | ✓                       | ✓            |       |

#### Options:

Liquid ends and O-rings in alternative materials, alternative voltages.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC VA Series

### Self Venting Metering Pumps

#### Standard Features:

- Wall Mounting
- Analogue Controls
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*



The VA series metering pumps feature self venting heads to ensure reliable dosing for medias that release gasses during pumping.

All pumps are supplied with suction tubing, discharge tubing, foot valve and injection valve. Low level float switches and control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Tube Size ID x OD |
|--------|--------------|----------|-----------|-------------------|
| 1802   | 18           | 2        | 0.19      | 4 x 8             |
| 1501   | 15           | 1        | 0.10      | 4 x 6             |
| 1503   | 15           | 3        | 0.28      | 4 x 6             |
| 1000.5 | 10           | 0.5      | 0.05      | 4 x 8             |
| 1002   | 10           | 2        | 0.19      | 4 x 6             |
| 1003.4 | 10           | 3.4      | 0.32      | 4 x 6             |
| 1007   | 10           | 7        | 0.65      | 4 x 6             |
| 0704   | 7            | 4        | 0.37      | 4 x 6             |
| 0507.5 | 5            | 7.5      | 0.70      | 4 x 6             |
| 0509   | 5            | 9        | 0.84      | 4 x 6             |
| 0405.5 | 4            | 5.5      | 0.51      | 4 x 6             |
| 0307   | 3            | 7        | 0.65      | 4 x 6             |
| 0212   | 2            | 12       | 1.11      | 6 x 8             |
| 0113.5 | 1            | 13.5     | 1.25      | 6 x 8             |

#### Models:

| Model | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input |
|-------|--------------------------|-------------------------|--------------|-------|
| VA CO |                          | ✓                       |              |       |
| VA CL |                          | ✓                       | ✓            |       |

#### Options:

Liquid ends and O-rings in alternative materials, alternative voltages.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC VMS Digital Series

### Metering Pumps

#### Standard Features:

- Wall Mounting
- Digital Controls
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*
- Built-in Weekly Timer on MF Version



The VMS Digital series metering pumps feature microprocessor control, a digital display and digital controls in a compact wall mounting format.

All pumps are supplied with suction and discharge tubing, foot valve and injection valve, and low level float switch in PVDF. Control cables are also included where relevant.

#### Sizes:

| Model | Pressure Bar | Flow l/h | Cc/Stroke | Tube Size ID x OD |
|-------|--------------|----------|-----------|-------------------|
| 2001  | 20           | 1        | 0.1       | 4 x 8             |
| 1802  | 18           | 2        | 0.19      | 4 x 8             |
| 1804  | 18           | 4        | 0.37      | 4 x 8             |
| 1502  | 15           | 2        | 0.19      | 4 x 6             |
| 1504  | 15           | 4        | 0.37      | 4 x 6             |
| 1505  | 15           | 5        | 0.46      | 4 x 6             |
| 1004  | 10           | 4        | 0.37      | 4 x 6             |
| 1005  | 10           | 5        | 0.46      | 4 x 6             |
| 1010  | 10           | 10       | 0.93      | 4 x 6             |
| 0706  | 7            | 6        | 0.56      | 4 x 6             |
| 0501  | 5            | 1        | 0.1       | 4 x 6             |
| 0510  | 5            | 10       | 0.93      | 4 x 6             |
| 0512  | 5            | 12       | 1.11      | 4 x 6             |
| 0408  | 4            | 8        | 0.74      | 4 x 6             |
| 0310  | 3            | 10       | 0.93      | 4 x 6             |
| 0215  | 2            | 15       | 1.38      | 6 x 8             |
| 0116  | 1            | 16       | 1.48      | 6 x 8             |

#### Models:

**NOTE: Probes sold separately \*\***

| Model  | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|--------|--------------------------|-------------------------|--------------|----------------|
| VMS MF |                          | ✓                       | ✓            | Pulse / 4-20mA |
| VMS PO |                          | ✓                       | ✓            | ORP or pH **   |

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC VMSA Digital Series

### Self Venting Metering Pumps

2

#### Standard Features:

- Wall Mounting
- Digital Controls
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*
- Built-in Weekly Timer on MF Version



The VMSA series metering pumps feature microprocessor controls and advanced functions as described below.

All pumps are supplied with suction tubing, discharge tubing, foot valve, injection valve and low level float switch. Control cables are also included where relevant.

#### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Tube Size ID x OD |
|--------|--------------|----------|-----------|-------------------|
| 1802   | 18           | 2        | 0.19      | 4 x 8             |
| 1501   | 15           | 1        | 0.10      | 4 x 6             |
| 1503   | 15           | 3        | 0.28      | 4 x 6             |
| 1000.5 | 10           | 0.5      | 0.05      | 4 x 8             |
| 1002   | 10           | 2        | 0.19      | 4 x 6             |
| 1003.4 | 10           | 3.4      | 0.32      | 4 x 6             |
| 1007   | 10           | 7        | 0.65      | 4 x 6             |
| 0704   | 7            | 4        | 0.37      | 4 x 6             |
| 0507.5 | 5            | 7.5      | 0.70      | 4 x 6             |
| 0509   | 5            | 9        | 0.84      | 4 x 6             |
| 0405.5 | 4            | 5.5      | 0.51      | 4 x 6             |
| 0307   | 3            | 7        | 0.65      | 4 x 6             |
| 0212   | 2            | 12       | 1.11      | 6 x 8             |
| 0113.5 | 1            | 13.5     | 1.25      | 6 x 8             |

#### Models:

**NOTE: Probes sold separately \*\***

| Model   | Stroke Length Adjustment | Stroke Speed Adjustment | Float Switch | Input          |
|---------|--------------------------|-------------------------|--------------|----------------|
| VMSA MF |                          | ✓                       | ✓            | Pulse / 4-20mA |
| VMSA PO |                          | ✓                       | ✓            | ORP or pH **   |

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC WD Series

Dual Pump with Built-In Controllers for Swimming Pools

### Standard Features:

- Wall Mounting
- Measurement and Control of Two Parameters
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*



### Sizes:

| Model | Pressure Bar | Flow l/h | Valve Size BSP inch | Tube Size ID x OD |
|-------|--------------|----------|---------------------|-------------------|
| 0706  | 7            | 6        | 3/8                 | 4 x 6             |
| 0501  | 5            | 1        | 3/8                 | 4 x 6             |
| 0310  | 3            | 10       | 3/8                 | 4 x 6             |

### Models:

| Model   | Function                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WDPHRH  | Swimming pool controller for pH(0-14) and redox (0-1000mV), with 2 x metering pumps for acid and disinfectant. LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF.                                                                                                                                  |
| WDPHCL  | Swimming pool controller for pH(0-14) and chlorine or bromine (0-10PPM), with 2 x metering pumps for acid and disinfectant. LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF.                                                                                                                     |
| WDPHCF  | Swimming pool controller for measuring pH(0-14) and chlorine (0-10PPM) with 2 x metering pumps for acid and flocculent, plus electric valve output (eg: salt water chlorinator or chlorine gas), LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF.                                                |
| WDPHCA  | Swimming pool controller for measuring pH(0-14) and chlorine (0-10PPM), with 2 x metering pumps for acid and algaecide, plus electric valve output (eg: for salt water chlorinator or chlorine gas control), weekly timer for algaecide dosing, LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF. |
| WDPHOS  | Swimming pool controller for measuring pH(0-14) and temperature (0-100 degrees C), with 2 x metering pumps for acid and Hydrogen Peroxide, LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pump heads and accessories in PVDF.                                                                                                                          |
| WDPHRHS | Swimming pool controller for measuring pH(0-14) and ORP (0-1000mV), with 1 x metering pump for acid and output socket for chlorine generator, LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF.                                                                                                   |
| WDPHCLS | Swimming pool controller for measuring pH(0-14) and chlorine/bromine (0-10mg/l Cl <sub>2</sub> ), with metering pump for acid and output socket for chlorine generator (hydrolysis), LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF.                                                            |

### Options:

Self venting heads fitted on request. Optional remote control by NIMBUS. Probes sold separately.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC WH Series

Dual Pump with Built-In Controllers for Swimming Pools

### Standard Features:

- Wall Mounting
- Measurement and Control of Two Parameters
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*
- Auto Learning Function for Easy Set Up



### Sizes:

| Model | Pressure Bar | Flow l/h | Valve Size BSP inch | Tube Size ID x OD |
|-------|--------------|----------|---------------------|-------------------|
| 0706  | 7            | 6        | 3/8                 | 4 x 6             |
| 0501  | 5            | 1        | 3/8                 | 4 x 6             |
| 0310  | 3            | 10       | 3/8                 | 4 x 6             |

### Models:

| Model  | Function                                                                                                                                                                                                                                                   |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHPHRH | Swimming pool controller for pH(0-14) and redox (0-1000mV), with 2 x metering pumps for acid and disinfectant. LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing, pump heads and accessories in PVDF. |

### Options:

Self venting heads fitted on request. Optional remote control by NIMBUS. Probes sold separately.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

2

## EMEC WTC Series

Dual Pump With Built-In Controller for Cooling Towers

### Standard Features:

- Wall Mounting
- Conductivity Measurement and Blowdown Control
- Built-In Biocide Timers
- With Two Integral Dosing Pumps
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 5 Year Warranty\*

**emec**  
SIMPLE AS WATER



### Sizes:

| Model | Pressure Bar | Flow l/h | Valve Size BSP inch | Tube Size ID x OD |
|-------|--------------|----------|---------------------|-------------------|
| 0706  | 7            | 6        | 3/8                 | 4 x 6             |
| 0310  | 3            | 10       | 3/8                 | 4 x 6             |
| 0501  | 5            | 1        | 3/8                 | 4 x 6             |

### Models:

| Model   | Function                                                                                                                                                                                                                                                                                                    |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WTC     | Cooling tower controller with conductivity input (probe included). Features bleed control and pre-bleed options. Two built-in pumps can be configured to be driven by external flow meter (e.g. makeup), percentage mode, PPM mode, 1-4 week timer or feed and bleed. Additional output (timer controlled). |
| WTC IND | Cooling tower controller with inductive conductivity probe. Features bleed control and pre-bleed options. All pumps can be configured to be driven by external flow meter (e.g. makeup), percentage mode, PPM mode, 1-4 week timer or feed and bleed.                                                       |

### Options:

Choose pump capacity. Self venting heads fitted on request. Optional remote control by NIMBUS. Probes sold separately.

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.

## Section 2

### Solenoid Metering Pumps

## EMEC F Series Metering Pumps

### Standard Features:

- Stroke Rate Adjustment 0-100%
- Chemical Level Switch Input
- Housing and Liquid Ends in Polypropylene
- Level of Protection IP65
- PTFE Diaphragm
- 5 Year Warranty\*



The F series metering pumps provide effective metering in a low cost wall mounting configuration. These popular units are often applied in swimming pools, cooling and heating circuits and in horticulture.

The F series pumps were superseded by the V series (see pages 15-18, section 2) over 10 years ago. However F series pumps remained so popular that EMEC continues to make them.

They have a smaller footprint than the V series, making them useful for squeezing into tight spaces.

All pumps are supplied with suction and discharge tubing, foot valve, injection valve and low level float switch. Control cables are also included where relevant.

### Sizes:

| Model  | Pressure Bar | Flow l/h | Cc/Stroke | Valve Size BSP inch | Tube Size ID x OD |
|--------|--------------|----------|-----------|---------------------|-------------------|
| 1201.5 | 12           | 1.5      | 0.17      | 3/8                 | 4 x 6             |
| 1002.2 | 10           | 2.2      | .25       | 3/8                 | 4 x 6             |
| 0703   | 7            | 3        | 0.34      | 3/8                 | 4 x 6             |
| 0505   | 5            | 5        | 0.56      | 3/8                 | 4 x 6             |
| 0306.5 | 3            | 6.5      | 0.72      | 3/8                 | 4 x 6             |

### Models:

| Model | Function                                                                      |
|-------|-------------------------------------------------------------------------------|
| FCL   | Manual setup with low level float switch.                                     |
| FPVM  | F pump with external pulse input signal, built-in pulse multipliers/dividers. |

\* Please refer to 'Aqua Products Limited' terms and conditions of sale for complete warranty conditions.



09 281 1865 • [sales@aquasales.co.nz](mailto:sales@aquasales.co.nz) • [www.aquasales.co.nz](http://www.aquasales.co.nz)