

SECTION 2

Solenoid Metering Pumps

SECTION 2 Solenoid Metering Pumps

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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
- 2 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	1/2	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.

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EMEC KA Series

Self Venting Metering Pumps

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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
- 2 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	1/2	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.

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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
- 2 Year Warranty*



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	1/2	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 **
KMS EN	✓	✓	✓	Built-In Timer

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EMEC KMSA Digital Series

Self Venting Metering Pumps

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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
- 2 Year Warranty*



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	1/2	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 **
KMSA EN	✓	✓	✓	Built-In Timer

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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
- 2 Year Warranty*



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	1/2	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 **
KMS EN LPV	✓	✓	✓	Built-In Timer

Options:

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

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EMEC AMS Series

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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
- 2 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	1/2	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.

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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
- 2 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	1/2	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.

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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
- 2 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, 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
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	1/2	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.

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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
- 2 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	1/2	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.

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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
- 2 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
KMS RH LPV	✓	✓	✓	ORP Probe **
KMS PH LPV	✓	✓	✓	PH Probe **

Options:

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

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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
- 2 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.

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EMEC T Series

Metering Pumps

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Standard Features:

- Wall Mounting
- Microprocessor Technology
- Analogue or Digital Control Options
- Stroke Rate Adjustment 0-100%
- Housing in Polypropylene, PP or SS
- Liquid End in PVDF
- Level of Protection IP65
- 2 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	Suction Tube ID x OD	Discharge Tube ID x OD
2005	20	5	0.7	4 x 6	4 x 6
0515	5	15	2.1	6 x 8	6 x 8
0420	4	20	2.8	6 x 8	6 x 8
0330	3	30	4.2	8 x 12	8 x 10
0150	1	50	7	8 x 12	8 x 10
00100	0	100	14	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.

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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
- 2 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	Suction Tube ID x OD	Discharge Tube ID x OD
2003.2	20	3.2	0.44	4 x 6	4 x 6
0510	5	10	1.39	6 x 8	6 x 8
0413	4	13	1.8	6 x 8	6 x 8
0320	3	20	2.7	8 x 12	8 x 10
0135	1	35	7.4	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.

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EMEC TP Series

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

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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
- 2 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
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

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
- 2 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
0510	5	10	0.93	4 x 6
0512	5	12	1.11	4 x 6
0501	5	1	0.1	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

2

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
- 2 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
1503	15	3	0.28	4 x 6
1501	15	1	0.10	4 x 6
1003.4	10	3.4	0.32	4 x 6
1007	10	7	0.65	4 x 6
1002	10	2	0.19	4 x 6
1000.5	10	0.5	0.05	4 x 8
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
- 2 Year Warranty*



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
0510	5	10	0.93	4 x 6
0512	5	12	1.11	4 x 6
0501	5	1	0.1	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 **
VMS EN			✓	Built-In Timer

* 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
- 2 Year Warranty*



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
1503	15	3	0.28	4 x 6
1501	15	1	0.10	4 x 6
1003.4	10	3.4	0.32	4 x 6
1007	10	7	0.65	4 x 6
1002	10	2	0.19	4 x 6
1000.5	10	0.5	0.05	4 x 8
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 **
VMSA EN			✓	Built-In Timer

* 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 Simultaneously
- Housing in Polypropylene
- Liquid Ends and Accessories in PVDF or PP
- Level of Protection IP65
- 2 Year Warranty*



Sizes:

Model	Pressure Bar	Flow l/h	Valve Size BSP inch	Tube Size ID x OD
0310	3	10	3/8	4 x 6
0706	7	6	3/8	4 x 6
0307	3	7	3/8	4 x 6
0501	5	1	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 flocculant, 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 algicide, plus electric valve output (eg: for salt water chlorinator or chlorine gas control), weekly timer for algicide 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 1x 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 Cl2), with 2x metering pump for acid and chlorine/bromine, plus output 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 ERMES. 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

2

Standard Features:

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



NEW:

- Auto Learning Function for Easy Set Up

Sizes:

Model	Pressure Bar	Flow l/h	Valve Size BSP inch	Tube Size ID x OD
0310	3	10	3/8	4 x 6
0706	7	6	3/8	4 x 6
0307	3	7	3/8	4 x 6
0501	5	1	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 ERMES. Probes sold separately.

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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
- 2 Year Warranty*



Sizes:

Model	Pressure Bar	Flow l/h	Valve Size BSP inch	Tube Size ID x OD
0310	3	10	3/8	4 x 6
0706	7	6	3/8	4 x 6
0307	3	7	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 ERMES. 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

2

Standard Features:

- Stroke Rate Adjustment 0-100%
- Chemical Level Switch Input
- Housing and Liquid Ends in Polypropylene
- Level of Protection IP65
- PTFE Diaphragm
- 2 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) 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
0308.5	3	8.5	0.95	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.
FEN	Digital version with built-in time clock.

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