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PRODUCT CATALOGUE

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Section 10

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Our suppliers improve and update their products from time to time. In addition, we are constantly reviewing to ensure we offer the best solutions to our customers.

We reserve the right to alter the technical information, specifications and dimensions provided in this catalogue without prior notice.

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Section 1 Stepper Motor Metering Pumps

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1

EMEC PRISMA FEATURES

Stepper Motor Metering Pumps

PRISMA stepper motor-driven dosing pump has been designed by EMEC to be the best solution for offering high-accuracy metering and extreme reliability.

Thanks to the new stepper motor and to the Multifunction software, **PRISMA** dosing pumps offer complete control over dosing speeds and working modes as well as great flexibility, meeting even extremely complex application needs.

INFO COLOR SCREEN

REAL-TIME FLOW

STAND-BY
White

WARNING
Yellow

ALARM
Red

PRISMA dosing pumps feature the Encoder control knob for quickly browsing through the menus and a large display to easily regulate and control the working parameters.

By changing background colors the backlight display can also signal different working status.

TURNDOWN

PRISMA stepper motor-driven pumps give you the most accurate control over the stroke speed, providing an outstanding turndown ratio of up to **4800:1**.

It means **PRISMA** can split up the dosing process into a maximum of **4800 steps** in order to offer the most homogeneous and precise distribution of the product to dose according to the required application.

SLOW MODE

Extreme versatility of **PRISMA** dosing pumps is also due to **Slow Mode** function.

With Slow Mode enabled you can reduce the suction speed from **100** to **30%** of the normal speed, making easier and more reliable the priming and the dosing even when you have to work with particularly viscous liquids.

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EMEC PRISMA

Stepper Motor Metering Pumps

Standard Features:

- Stepper Motor Diaphragm Pump
- LCD Display of Dosing Rate
- Colour LCD Pump Status Display
- Microprocessor Controlled Stepper Motor for Smooth and Accurate Dosing
- Electronic Stroke Speed Adjustment
- IP65
- 4800:1 Turndown Ratio
- Slow Mode for Dosing Viscous Media
- Manual Degassing Valve (PVDF, PP Heads)
- Double Ball Check Valves
- 5 Year Warranty*

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PRISMA

The EMEC PRISMA pump range uses a microprocessor controlled stepper motor to provide smooth dosing with extreme accuracy. Multifunctional (constant, ppm, %, mlq, pause/work, weekly timer, mA, pulse, volt, external batch, manual batch) with in-built level control, alarm indication, and stand-by input. Multicolour LCD display (for fault status).

All pumps are supplied with injection valve, foot valve and low level float switch, suction and discharge tubing, as well as external signal cable and standby/alarm cable.

Sizes:

Model	Pressure Bar	Flow l/h	Suction Tube ID x OD	Discharge Tube ID x OD
2502	25	2	4 x 6	4 x 6
2005	20	5	4 x 6	4 x 6
1607.5	16	7.5	4 x 6	4 x 6
1013	10	13	6 x 8	6 x 8
0720	7	20	8 x 12	8 x 10
0528	5	28	8 x 12	8 x 10
0450	4	50	8 x 12	8 x 10
0280	2	80	8 x 12	8 x 10

Options:

Liquid ends in PVDF, PP, PMMA and SS.
Alternative voltages. MODBUS connection. Bluetooth. 4-20mA output signal. RS485 Communication.

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EMEC PRISMA with BLUETOOTH

Stepper Motor Metering Pumps

Standard Features, Plus:

VIA BLUETOOTH:

- Remote Supervision
- Remote On/Off
- Remote Speed Control
- Remote Operating Mode Change

The EMEC PRISMA pump is now available with Bluetooth. All the features are the same with the addition of Bluetooth, allowing you to access your pumps remotely from your smart phone. You can check the status and adjust your pumps instantly from your smart device.

Sizes:

Model	Pressure Bar	Flow l/h	Suction Tube ID x OD	Discharge Tube ID x OD
2502	25	2	4 x 6	4 x 6
2005	20	5	4 x 6	4 x 6
1607.5	16	7.5	4 x 6	4 x 6
1013	10	13	6 x 8	6 x 8
0720	7	20	8 x 12	8 x 10
0528	5	28	8 x 12	8 x 10
0450	4	50	8 x 12	8 x 10
0280	2	80	8 x 12	8 x 10

Options:

Liquid ends in PVDF, PP, PMMA and SS.
Alternative voltages. MODBUS connection. WIFI. 4-20mA output signal.

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EMEC PRISMA with WIFI

Stepper Motor Metering Pumps

Standard Features, Plus:

VIA WIFI:

- Remote Supervision
- Remote On/Off
- Remote Speed Control
- Remote Operating Mode Change
- Alarm Messages to Email (incl. Chemical Level)

emec SIMPLE AS WATER
PRISMA
NIMBUS

The EMEC PRISMA pump is now available with WIFI. All the features are the same with the addition of WIFI, allowing you to access your pump remotely from any PC or smart phone. You can adjust your pump, and receive alarm messages from any smart device.

Sizes:

Model	Pressure Bar	Flow l/h	Suction Tube ID x OD	Discharge Tube ID x OD
2502	25	2	4 x 6	4 x 6
2005	20	5	4 x 6	4 x 6
1607.5	16	7.5	4 x 6	4 x 6
1013	10	13	6 x 8	6 x 8
0720	7	20	8 x 12	8 x 10
0528	5	28	8 x 12	8 x 10
0450	4	50	8 x 12	8 x 10
0280	2	80	8 x 12	8 x 10

Options:

Liquid ends in PVDF, PP, PMMA and SS.
Alternative voltages. MODBUS connection. Bluetooth. 4-20mA output signal.

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1

EMEC PRISMA with 4-20mA

Stepper Motor Metering Pumps

Standard Features, Plus:

4-20mA OUT:

- Confirmation of Dosing via a 4-20mA Output Signal

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PRISMA

The EMEC PRISMA pump is now available with 4-20mA out. All the features are the same with the addition of a 4-20mA output signal, allowing for performance validation.

Sizes:

Model	Pressure Bar	Flow l/h	Suction Tube ID x OD	Discharge Tube ID x OD
2502	25	2	4 x 6	4 x 6
2005	20	5	4 x 6	4 x 6
1607.5	16	7.5	4 x 6	4 x 6
1013	10	13	6 x 8	6 x 8
0720	7	20	8 x 12	8 x 10
0528	5	28	8 x 12	8 x 10
0450	4	50	8 x 12	8 x 10
0280	2	80	8 x 12	8 x 10

Options:

Liquid ends in PVDF, PP, PMMA and SS.
Alternative voltages. MODBUS connection. WIFI. Bluetooth.

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EMEC PRISMA with MODBUS

Stepper Motor Metering Pumps

Standard Features, Plus:

VIA MODBUS:

- Direct Connection to PLC's and SCADA Systems for Remote Monitoring and Control

The EMEC PRISMA pump is now available with MODBUS. All the features are the same with the addition of MODBUS, allowing you to access and control your pump from a PLC or SCADA system.

Sizes:

Model	Pressure Bar	Flow l/h	Suction Tube ID x OD	Discharge Tube ID x OD
2502	25	2	4 x 6	4 x 6
2005	20	5	4 x 6	4 x 6
1607.5	16	7.5	4 x 6	4 x 6
1013	10	13	6 x 8	6 x 8
0720	7	20	8 x 12	8 x 10
0528	5	28	8 x 12	8 x 10
0450	4	50	8 x 12	8 x 10
0280	2	80	8 x 12	8 x 10

Options:

Liquid ends in PVDF, PP, PMMA and SS.
Alternative voltages. Bluetooth. WIFI. 4-20mA output signal.

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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
- 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.

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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.

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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
- 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 **

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EMEC KMSA Digital Series

Self Venting 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 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 **

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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.

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EMEC AMS Series

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 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.

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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.

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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
- 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.

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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
- 5 Year Warranty*

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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.

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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
- 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.

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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
- 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.

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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.

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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
- 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.

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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.

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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.

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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.

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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

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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 **

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EMEC VMSA Digital Series

Self Venting 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 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 **

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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 Cl2), 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.

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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.

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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*

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.

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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*

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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.

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Section 3 Peristaltic Metering Pumps

3

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EMEC VELON Series

Peristaltic Metering Pumps

Standard Features:

- Wall Mounting
- Scheduled Maintenance via Activity Meters
- Flow Rate Options: 0.018-1.8 or 0.12-12 lph
- Pressure: 2 bar (at 29 psi)
- RPM Range: 1-100%
- Remote Control via Web or MyEMEC App
- Level of Protection IP65
- 5 Year Warranty*

With the stepper technology, it is possible to vary the rotation speed and therefore modulate dosing in real time within a range from 1% to 100%, making it ideal for environments where a wide dosage range from 18 cc/h to 12 l/h at 2 bar is required.

Models:

Model	Function
VELON CL	Constant dosing pump with manual adjustment via potentiometer. With LED, ON/OFF button, Level Input.
VELON MF	Multifunction pump with digital management, backlit RGB LCD display, encoder programming. Operating Modes: Constant, CC/Pulse, PPM, % MLQ, Batch, Volt, mA, Pulse, Weekly Program, Ext pause. Remote management via app/web.
VELON PO	Versatile pump with direct probe input,pH or ORP, with proportional speed control. Backlit LCD display, encoder programming, remote management via app/web. Proportional, Auto dosing.
VELON PM	Pump with MODBUS RTU integration, ideal for automated systems. MODBUS RTU, LED, ON/OFF button. External Control.

Specific Features:

	VELON CL	VELON MF	VELON PO	VELON PM
Inputs	Level	MODBUS RTU, Multi-function, Level	MODBUS RTU, Standby, Level, pH/ORP Probe	MODBUS RTU, Level
Outputs	Alarm (*optional*)	Alarm (*optional*)	Alarm (*optional*)	Alarm (*optional*)
Connectivity		Wi-Fi & Bluetooth	Wi-Fi & Bluetooth	
Firmware Update		OTA	OTA	

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EMEC WN Series

Dual Peristaltic Pumps with Built-In Controllers for Swimming Pools

Standard Features:

- Suitable for Pools up to 250m^3
- Measurement and Control of Two Parameters
- Built in WiFi for Remote Management
- Dual Peristaltic Pumps with Adjustable Speed 0.5 to 12 lph at 2 Bar
- New Long-Life Peristaltic Hose
- Large Colour RGB LCD Screen
- 2 Additional Powered Relay Outputs
- New Easy Set-up Auto Dosing Mode
- Remote Control via Wifi
- 5 Year Warranty*

Models:

Model	Function
WNPHRH	Swimming pool controller for pH(0-14) and redox (0-999mV), with 2 x metering pumps for acid and disinfectant. LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing.
WNPHRHS	Swimming pool controller for pH(0-14) and redox (0-999mV), with 1 x metering pumps for acid and output for salt chlorinator. LCD backlit display, alarm output, maximum dosing time alarm, probe check function, pH priority dosing.
WNPHCL	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.
WNPHCLS	Swimming pool controller for pH(0-14) and chlorine or bromine (0-10PPM), with one metering pump for acid and output for salt chlorinator. LCD backlit display, alarm output, maximum dosing time alarm, probe check function.

Options:

Probes sold separately.

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EMEC V Series

Peristaltic Metering Pumps

Standard Features:

- Low Cost Valve-less Metering Pumps
- 12 Month Warranty*

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VPESR

VPER002

Each pump is supplied with a foot-valve, injection valve and 4m of PVC suction or discharge tubing.

Models:

Model	Pressure Bar	Flow l/h	Maximum Operating Time minutes	Maximum Duty Cycle	Tube Size ID x OD
VPESR0002	0.5	2	30	50%	4 x 6 PVC
VPESR00.8	0.5	0.8	30	50%	4 x 6 PVC
VPER20002	0.5	0.154 - 2.0	30	50%	4 x 6 PVC

Peristaltic pumps use rotating rollers to compress a flexible tube, creating positive displacement. This produces an effective valve-less pump which is self priming. This pump is a low cost option, but it is limited to applications where operation is intermittent, and where there is minimal back pressure.

Model VPESR features constant output with no control. Model VPER20002 has a built in timer, on time and off time are independently adjustable from 5 to 60 seconds.

Applications include cooling towers, rinse baths, fountains and swimming pools.

Please call and discuss your application, so we can determine if a peristaltic pump is the right solution for you.

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EMEC F Series

Peristaltic Metering Pumps

Standard Features:

- Low Cost Valve-less Metering Pumps
- 12 Month Warranty*

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FPESR

FPER002

Each pump is supplied with a foot-valve, injection valve and 4m of PVC suction or discharge tubing.

Models:

Model	Pressure Bar	Flow l/h	Maximum Operating Time minutes	Maximum Duty Cycle	Tube Size ID x OD
FPESR0002	0.5	2	30	50%	4 x 6 PVC
FPESR00.8	0.5	0.8	30	50%	4 x 6 PVC
FPER20002	0.5	0.154 - 2.0	30	50%	4 x 6 PVC

Peristaltic pumps use rotating rollers to compress a flexible tube, creating positive displacement. This produces an effective valve-less pump which is self priming. This pump is a low cost option, but it is limited to applications where operation is intermittent, and where there is minimal back pressure.

Model FPESR features constant output with no control. Model FPER20002 has a built in timer, on time and off time are independently adjustable from 5 to 60 seconds.

Applications include cooling towers, rinse baths, fountains and swimming pools.

Please call and discuss your application, so we can determine if a peristaltic pump is the right solution for you.

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Helios AS FX

Peristaltic Pumps

Standard Features:

- Fixed Speed Pump
- 230/400V 3-Phase Motor
- Pump Casing in Aluminium Alloy, rollers in PVC
- Self Priming
- Run Dry Capable
- Viscosity up to 15,000cPs
- 304SS Hose Tails as Standard

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Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
AS10FX	23 35 47 70 93	4 4 4 4 4	15 15 15 15 15	23 35 47 70 93	9	0.18 0.18 0.18 0.18 0.18
AS15FX	56 86 115 172 228	4 4 4 4 4	15 15 15 15 15	23 35 47 70 93	13	0.18 0.18 0.18 0.18 0.18
AS20FX	149 227 305 453 602	5 5 5 5 5	15 to 40 * 15 to 40 * 15 to 30 * 15 to 30 * 10 to 20 *	23 35 47 70 93	17	0.18 0.18 0.18 0.18 0.18
AS25FX	538 672 902 1344 1785	6 6 6 6 6	20 to 40 * 20 to 40 * 20 to 30 * 20 to 30 * 15 to 25 *	28 35 47 70 93	25	0.37 0.37 0.37 0.75 0.75

** Depending on tube material.*

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios AS VX

Peristaltic Pumps

Standard Features:

- Variable Speed Pump
- Adjustable Reduction Gearbox
- 230/400V 3-Phase Motor
- Pump Casing in Aluminium alloy, rollers in PVC
- Self Priming
- Run Dry Capable
- Viscosity up to 15,000cPs
- 304SS Hose Tails as Standard

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Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
AS10VX	3.2 to 15 4.7 to 22.5 6.3 to 30 9.5 to 45 19 to 90	4 4 4 4 4	15 15 15 15 15	3.2 to 15 4.7 to 22.5 6.3 to 30 9.5 to 45 19 to 90	9	0.22 0.22 0.22 0.22 0.22
AS15VX	7.8 to 37 11.6 to 55 15.5 to 73.8 23.4 to 110 47 to 221	4 4 4 4 4	15 15 15 15 15	3.2 to 15 4.7 to 22.5 6.3 to 30 9.5 to 45 19 to 90	13	0.22 0.22 0.22 0.22 0.22
AS20VX	21 to 97 30 to 146 41 to 194 62 to 291 82 to 388	5 5 5 5 5	15 to 40 * 15 to 40 * 15 to 40 * 15 to 40 * 15 to 40 *	3.2 to 15 4.7 to 22.5 6.3 to 30 9.5 to 45 12.7 to 60	17	0.22 0.22 0.22 0.22 0.22
AS25VX	73 to 365 90 to 455 121 to 608 182 to 912 243 to 1280	6 6 6 6 6	20 to 40 * 20 to 40 * 20 to 35 * 15 tg 30 * 15 to 25 *	3.8 to 19 4.7 to 23.7 6.3 to 31.7 9.5 to 47.5 12.7 to 66.7	25	0.37 0.37 0.37 0.37 0.75

** Depending on tube material.*

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios AS IX

Peristaltic Pumps

Standard Features:

- Variable Speed Pump
- 4-20mA Input Control
- 230/400V three Phase Motor
- Pump casing in Aluminium alloy, Rollers in PVC
- Self Priming
- Run Dry Capable
- Viscosity up to 15,000cPs
- 304SS hose tails as standard

Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
AS10IX	1.5 to 47 3 to 93 6 to 185	4 4 4	15 15 10	1.5 to 47 3 to 93 6 to 185	9	0.18 0.18 0.18
AS15IX	3.5 to 115 7 to 172 15 to 345	4 4 4	15 15 15	1.5 to 47 2.8 to 70 6 to 140	13	0.18 0.18 0.18
AS20IX	10 to 304 18 to 453 20 to 602	5 5 5	15 to 40 * 15 to 40 * 15 to 30 *	1.5 to 47 2.8 to 70 6 to 140	17	0.18 0.18 0.18
AS25IX	29 to 902 54 to 1344 58 to 1785	6 6 6	20 to 40 * 20 to 40 * 15 to 25 *	1.5 to 47 2.8 to 70 3 to 93	25	0.37 0.55 0.75

** Depending on tube material.*

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios ASP FX

Peristaltic Pumps

Standard Features:

- Fixed Speed Pump
- Up to 25,000 lph
- Self Priming
- Run Dry Capable
- 8m Suction Lift
- Up to 10 Bar Discharge Pressure

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Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
ASP10FX	47 72 96 143	8 8 8 8	100 80 80 80	23 35 47 70	10	0.18 0.18 0.37 0.37
ASP15FX	102 155 209 310	8 8 8 8	100 80 80 80	23 35 47 70	15	0.18 0.18 0.37 0.37
ASP25/15FX	275 354 440 550	8 8 8 8	80 80 70 60	35 45 56 70	15	0.55 0.75 0.75 0.75
ASP25FX	672 864 1075 1344	8 8 8 8	80 80 70 60	35 45 56 70	25	0.55 0.75 0.75 0.75
ASP32FX	1596 1974 2436 2940	8 8 8 8	100 80 60 40	38 47 58 70	32	1.1 1.1 1.1 1.1
ASP40FX	2040 2038 3672 5712	8 8 8 8	100 80 60 40	25 36 45 70	40	1.5 1.5 1.5 1.5
ASP50FX	4185 6026 7533 11718	8 8 8 8	100 60 60 40	25 36 45 70	50	2.2 2.2 3 3
ASP65FX	8580 13650 15500 21840	8 8 8 8	80 60 60 50	22 35 45 56	65	4 5.5 7.5 7.5

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios ASP VX

Peristaltic Pumps

Standard Features:

- Variable Speed Pump with Reduction Gearbox
- Up to 20,000 lph
- Self Priming
- Run Dry Capable
- 8m Suction Lift
- Up to 10 Bar Discharge Pressure

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Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
ASP10VX	6,5 to 30,6 9,6 to 46 5,5 to 77,5 26 to 129	8 8 8 8	100 / 80 100 / 70 100 / 60 100 / 50	3,2 to 15 4,7 to 22,5 7,6 to 38 12,7 to 63,3	10	0.22 0.22 0.37 0.37
ASP15VX	14,2 to 66,6 21 to 100 34 to 168,7 56,4 to 281	8 8 8 8	100 / 80 100 / 70 100 / 60 100 / 50	3,2 to 15 4,7 to 22,5 7,6 to 38 12,7 to 63,3	15	0.22 0.22 0.37 0.37
ASP25/15VX	37 to 196,5 60 to 314,4 94,3 to 487,3 118 to 629	8 8 8 8	100 / 60 100 / 70 100 / 50 100 / 40	4,7 to 25 7,6 to 40 12 to 62 15 to 80	15	0.55 0.75 0.75 0.75
ASP25VX	90 to 480 146 to 768 230 to 1190 288 to 1536	8 8 8 8	100 / 60 100 / 60 100 / 50 100 / 40	4,7 to 25 7,6 to 40 12 to 62 15 to 80	25	0.55 0.75 0.75 0.75
ASP32VX	210 to 1134 319 to 1680 504 to 2604 630 to 3360	8 8 8 8	100 / 60 100 / 60 100 / 50 100 / 40	5 to 27 7,6 to 40 12 to 62 15 to 80	32	1.1 1.1 1.1 1.1
ASP40VX	342 to 1811 489 to 2611 775 to 4080 979 to 5059	8 8 8 8	100 / 60 100 / 60 100 / 50 100 / 40	4,2 to 22,2 6 to 32 9,5 to 50 12 to 62	40	1.5 1.5 2.2 2.2
ASP50VX	703 to 3716 1004 to 5356 1590 to 8370 2008 to 10378	8 8 8 8	100 / 60 100 / 60 100 / 50 100 / 40	4,2 to 22,2 6 to 32 9,5 to 50 12 to 62	50	2.2 2.2 3 3
ASP65VX	1638 to 8658 2340 to 12480 2964 to 15600 3705 to 19500	8 8 8 8	100 / 60 100 / 60 100 / 50 100 / 40	4,2 to 22,2 6 to 32 7,6 to 40 9,5 to 50	65	4 5.5 7.5 7.5

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios ASP IX

Peristaltic Pumps

Standard Features:

- Variable Speed Pump
- Up to 25,000 lph
- Self Priming
- Run Dry Capable
- 8m Suction Lift
- Up to 10 Bar Discharge Pressure

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Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
ASP10IX	9 to 65 19 to 130 28.5 to 200	8 8 8	100 / 80 100 / 60 100 / 50	4.5 to 32 9.3 to 65 14 to 98	10	0.25 0.37 0.37
ASP15IX	20 to 142 41.3 to 289 62 to 435	8 8 8	100 / 80 100 / 60 100 / 50	4.5 to 32 9.3 to 65 14 to 98	15	0.25 0.37 0.37
ASP25/15IX	55 to 385 71 to 495 110 to 870	8 8 8	100 / 80 100 / 60 100 / 50	7 to 49 9 to 63 14 to 98	15	0.75 0.75 0.75
ASP25IX	134 to 940 173 to 1210 268 to 1880	8 8 8	100 / 80 100 / 60 100 / 50	7 to 49 9 to 63 14 to 98	25	0.75 0.75 0.75
ASP32IX	294 to 2058 390 to 2730 588 to 4116	8 8 8	100 / 80 100 / 50 100 / 40	7 to 49 9.3 to 65 14 to 98	32	1.5 1.5 1.5
ASP40IX	408 to 2856 734 to 5140 938 to 6528	8 8 8	100 / 80 100 / 50 100 / 40	5 to 35 9 to 63 11.5 to 80	40	1.5 2.2 2.2
ASP50IX	837 to 5860 1507 to 10546 1925 to 13395	8 8 8	100 / 80 100 / 50 100 / 40	5 to 35 9 to 63 11.5 to 80	50	2.2 3 4
ASP65IX	1720 to 12090 2730 to 19110 3510 to 24570	8 8 8	100 / 80 100 / 50 100 / 40	4.4 to 31 7 to 49 9 to 63	65	7.5 7.5 7.5

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Helios ATR

Peristaltic Pumps

ATR 80 FX / TD

Double Head

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Pump Head

ATR 80 / 280 TC
Belt Transmission

Models:

Model	Flow l/h	Suction Lift max	Pressure Meters of Head	RPM	Tube Size ID	Motor Power kW
ATR80FX-TD	12160 18874 21915 26422	8 8 8 8	50 (80) 30 (50) 25 (45) 20 (40)	22.3 34.6 40.1 48.4	80	5.5 (7.5) 5.5 (9) 5.5 (9) 7.5 (11)
ATR280FX-TD	24321 33748 43830 52845	8 8 8 8	50 (80) 30 (50) 25 (45) 20 (40)	22.2 34.6 40.1 48.4	80	75 (11) 11 (15) 11 (15) 11 (15)
ATR80IX-TD	2432 to 14592 3775 to 22649 4383 to 26298 5284 to 31707	8 8 8 8	50 (80) 30 (50) 25 (45) 20 (40)	4.5 to 26.7 6.9 to 41.5 8.0 to 48.2 9.7 to 58.1	80	5.5 (7.5) 5.5 (9) 7.5 (11) 7.5 (11)
ATR280IX-TD	4864 to 29185 7550 to 45298 8766 to 52596 10569 to 63414	8 8 8 8	50 (80) 30 (50) 25 (45) 20 (40)	4.5 to 26.7 6.9 to 41.5 8.0 to 48.2 9.7 to 58.1	80	11 (15) 11 (15) 11 (15) 11 (15)

Special Version: ATR 80 & ATR 280 TC—Belt Transmission. More information on request.

Options:

Tubes available in NR, NBR, Norprene, Silicone, EPDM, Pharmed, Tygon, Hypalon.
Special couplings: Hose connector in 316SS, PVC, PTFE, Tri-clamps, flanges.

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Section 4 Pneumatic Metering Pumps

4

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RAC Series Pneumatic Metering Pumps, 0-12 l/h	Page 1
AMS AC Series Pneumatic Metering Pumps, 0-220 l/h	Page 2
TAC Series Pneumatic Metering Pumps, 0-230 l/h	Page 3

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EMEC RAC Series

Pneumatic Metering Pumps

Standard Features:

- Driven by Compressed Air
- Manual Stroke Length Adjustment from 0-100%
- Liquid End in Polypropylene
- O-Ring Seals in EPDM, Viton or Nitrile
- Diaphragm in PTFE
- Wall or Din Rail Mounting
- 5 Year Warranty*

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Sizes:

Model	Pressure Bar	Flow l/h	Cc/Stroke	Valve Size BSP inch	Tube Size ID x OD
0601	6	1	0.14	1/2	4 x 6 / 6 x 8
0603	6	3	0.42	1/2	4 x 6 / 6 x 8
0606	6	6	0.83	1/2	4 x 6 / 6 x 8
0612	6	12	1.66	1/2	4 x 6 / 6 x 8

Models:

Model	Function
RAC	Standard
RACV	Integral Solenoid Valve
RACP	Priming Button

Specifications:

Max 120 strokes per minute.
Working environment: –10 to +50 degrees C.

Air requirements: 2.4 litres per minute at 6-8 Bar.

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EMEC AMS AC Series

Pneumatic Metering Pumps

Standard Features:

- Driven by Compressed Air
- Stroke Length Adjustment from 0-100%
- Stroke Frequency Adjustment from 0-100%
- Liquid End in PVDF
- O-Ring Seals in EPDM, Viton or Nitrile
- Diaphragm in PTFE
- 5 Year Warranty*

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Sizes:

Model	Pressure Bar	Flow l/h	Cc/Stroke	Valve Size BSP inch	Tube Size ID x OD
1050	10	50	7	1/2	8 x 10 / 8 x 12
05140	5	140	19	3/4	13 x 16 / 12 x 18
00220	0	220	30	3/4	13 x 16 / 12 x 18

Models:

Model	Function
AMS AC MF	Digital multifunction pump, constant, pulse, divide, multiply, PPM, batch, volt, mA, %, ml/q, standby, flow sensor input, alarm output, level control.

Options:

Liquid ends and accessories in alternative materials.

NOTE: Use compressed air from 6-10 bar without lubricant or water.

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

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EMEC TAC Series

Pneumatic Metering Pumps

Standard Features:

- Driven by Compressed Air
- Stroke Frequency Adjustment from 0-100%
- Liquid End in PVDF
- O-Ring Seals in EPDM, Viton or Nitrile
- Diaphragm in PTFE
- 5 Year Warranty*

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Sizes:

Model	Pressure Bar	Flow l/h	Cc/Stroke	Valve Size BSP inch	Tube Size ID x OD
1050	10	50	7	1/2	8 x 10 / 8 x 12
05150	5	150	20	3/4	13 x 16 / 12 x 18
00230	0	230	32	3/4	13 x 16 / 12 x 18

Models:

Model	Function
T AC CO	Constant output pump with stroke speed adjustment.
T AC CL	Constant output pump with stroke speed adjustment. And level probe
TMS AC MF	Digital multifunction pump. Modes: constant, pulse, divide, multiply, PPM, batch, volt, mA, %, ml/q, standby, flow sensor input, alarm output, level control.

Options:

Liquid ends and accessories in alternative materials.

NOTE: Use compressed air from 6-10 bar without lubricant or water.

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Section 5 Motor Driven Metering Pumps

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PRIUS D Metering Pumps, 0-1000 l/h	Page 1 - 3
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PRIUS D MF Metering Pumps with Built-In Controls, 0-1000 l/h	Page 5 - 7
PRIUS D MF AP High Pressure Metering Pumps, up to 100 Bar	Page 8
PRIUS P Plunger Metering Pump, up to 320 l/h at 10 Bar	Page 9
PRIUS P MF Plunger Pump with Built-In Controls, up to 320 l/h at 10 Bar	Page 10

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EMEC PRIUS D

Diaphragm Metering Pumps

Standard Features:

- Positive Displacement Pump with Spring Return Mechanism
- Stroke Length Adjustable from 0-100%
- Dosing Heads in PVDF, PP and SS
- Aluminium Enclosure with Chemical Resistant Epoxy Coating
- Manual Degassing Valve (PVDF & PP)
- Single Phase or 3 Phase
- Double Ball Check Valves
- ATEX (Explosive Atmosphere) Certified Versions also Available on Request
- 2 Year Warranty*

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PRIUS

Robust and accurate, these industrial quality pumps have been developed for reliable metering in larger commercial and industrial applications. With pressure capabilities up to 100 Bar and flow rates up to 1000 l/h, there is a PRIUS model suitable for most applications.

Specifications:

Power Supply	220-240V Single phase or 230/400V three phase
Chemical Temperature for PVDF**	-10 to 65°C
Chemical Temperature for SS**	-10 to 90°C
Chemical Temperature for PP	-10 to 40°C
Insulation	Class 2
Protection	IP55 standard, IP65 optional, ATEX options on request
Audible Level	78 dba (±5)
Max Suction Height	3M
Oil Capacity	0.3L

NOTE: ** Maximum Temperature can be exceeded for a short time during CIP.
Protection against blocked discharge is recommended for motor pumps.

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EMEC PRIUS D

Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Installation Kit
010012	10	12	35	PVDF, SS, PP	A (Included)
010021	10	21	35	PVDF, SS, PP	A (Included)
010024	10	24	70	PVDF, SS, PP	A (Included)
010030	10	30	94	PVDF, SS, PP	A (Included)
007032	7	32	35	PVDF, SS, PP	A (Included)
010042	10	42	70	PVDF, SS, PP	A (Included)
005048	5	48	35	PVDF, SS, PP	B
010056	10	56	94	PVDF, SS, PP	A (Included)
010060	10	60	175	PVDF, SS, PP	A (Included)
007064	7	64	70	PVDF, SS, PP	A (Included)
005070	5	70	35	PVDF, SS, PP	C
007086	7	86	94	PVDF, SS, PP	A (Included)
005088	5	88	35	PVDF, SS, PP	C
005096	5	96	70	PVDF, SS, PP	B
010105	10	105	175	PVDF, SS, PP	A (Included)
005106	5	106	35	PVDF, SS, PP	C
005128	5	128	94	PVDF, SS, PP	B

More sizes next page

NOTE: B & C Installation Kits - sold separately when required for application. Installation kits do not fit SS pumps.

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EMEC PRIUS D

Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Installation Kit
005140	5	140	70	PVDF, SS, PP	C
005141 *	5	141	35	PVDF, SS, PP	C
007160	7	160	175	PVDF, SS, PP	A (Included)
005176	5	176	70	PVDF, SS, PP	C
005188	5	188	94	PVDF, SS, PP	C
005212	5	212	70	PVDF, SS, PP	C
005236	5	236	94	PVDF, SS, PP	C
005240	5	240	175	PVDF, SS, PP	B
005284	5	284	94	PVDF, SS, PP	C
005350	5	350	175	PVDF, SS, PP	C
005440	5	440	175	PVDF, SS, PP	C
004520 *	4	520	94	PVDF, SS, PP	C
005520 *	5	520	94	PVDF, SS, PP	C
005530	5	530	175	PVDF, SS, PP	C
003750 *	3	750	175	PVDF, SS, PP	C
005750 *	5	750	175	PVDF, SS, PP	C
002M00 *	2	1000	175	PVDF, SS, PP	C
005M00 *	5	1000	175	PVDF, SS, PP	C

**** 3 phase only***

NOTE: B & C Installation Kits - sold separately when required for application. Installation kits do not fit SS pumps.

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EMEC PRIUS D AP

High Pressure Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Motor Size kW
10001.5	100	1.5	70	SS	0.37
100002	100	2	94	SS	0.37
05002.5	50	2.5	35	SS	0.37
100004	100	4	175	SS	0.37
030005	30	5	35	SS	0.37
050005	50	5	70	SS	0.37
020006 *	20	6	35	PVDF	0.37
050009	50	9	94	SS	0.37
030010	30	10	70	SS	0.37
020012 *	20	12	94	PVDF	0.37
030014	30	14	94	SS	0.37
030015	30	15	35	SS	0.37
020016 *	20	16	70	PVDF	0.37
050017	50	17	175	SS	0.37
030028	30	28	175	SS	0.37
020030 *	20	30	35	PVDF	0.37
030030	30	30	70	SS	0.37
020034	20	34	35	SS	0.37
030041	30	41	94	SS	0.37
020068	20	68	70	SS	0.37
030076	30	76	175	SS	0.37
020091	20	91	94	SS	0.37, 0.55
020170	20	170	175	SS	0.37, 0.55

** 3 phase only*

NOTE: B & C Installation Kits - sold separately when required for application. Installation kits do not fit SS pumps.

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EMEC PRIUS D MF

Diaphragm Metering Pumps

Standard Features:

- Motor Driven Diaphragm Pump with Built-in Speed Control
- Stroke Length Adjustable from 0-100%
- Level Control
- Alarms
- Aluminium Enclosure with Chemical Resistant Epoxy Coating. IP55.
- Manual Degassing Valve
- Single Phase
- IP55
- Modbus Option Available
- 2 Year Warranty*

emec SIMPLE AS WATER

PRIUS

Alternate | Default

The PRIUS D MF version has sophisticated electronics built-in. These versatile pumps can accept a range of standard process signals and a weekly timer, for automatic control. With pressure capabilities up to 100 Bar and flow rates up to 1000 l/h, there is a PRIUS model suitable for most applications.

Options:

Power Supply	220 - 240VAC 1PH
Pump Heads Available in	PVDF, PP or SS
Chemical temperature for PVDF	-10 to 65°C
Chemical temperature for SS	-10 to 90°C
Chemical temperature for PP	-10 to 40°C
Insulation	Class 2
Protection	IP55 standard, IP65 optional.
Audible Level	78 dba (±5)
Max Suction Height	3M
Oil Capacity	0.3L
Operating Modes	Constant, PPM, %, mlq, mA, volt, batch, pause/Work, low Chemical Level Input, alarm output, standby Input

NOTE: Protection against blocked discharge is recommended for motor pumps.

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EMEC PRIUS D MF

Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Motor Size kW	Installation Kit
010012	10	12	35	PVDF, SS, PP	0.18	A (Included)
010016	10	16	35	PVDF, SS, PP	0.18	A (Included)
010021	10	21	35	PVDF, SS, PP	0.37	A (Included)
010024	10	24	70	PVDF, SS, PP	0.18	A (Included)
010030	10	30	94	PVDF, SS, PP	0.18	A (Included)
007032	7	32	35	PVDF, SS, PP	0.37	A (Included)
010042	10	42	70	PVDF, SS, PP	0.37	A (Included)
005048	5	48	35	PVDF, SS, PP	0.37	B
010056	10	56	94	PVDF, SS, PP	0.37	A (Included)
010060	10	60	175	PVDF, SS, PP	0.18	A (Included)
007064	7	64	70	PVDF, SS, PP	0.37	A (Included)
005070	5	70	35	PVDF, SS, PP	0.37	C
007086	7	86	94	PVDF, SS, PP	0.37	A (Included)
005088	5	88	35	PVDF, SS, PP	0.37	C
005096	5	96	70	PVDF, SS, PP	0.37	B
010105	10	105	175	PVDF, SS, PP	0.37	A (Included)
005106	5	106	35	PVDF, SS, PP	0.37	C
005128	5	128	94	PVDF, SS, PP	0.37	B
005140	5	140	70	PVDF, SS, PP	0.37	C
005141	5	141	35	PVDF, SS, PP	0.37	C

More sizes next page

NOTE: B & C Installation Kits - sold separately when required for application. Installation kits do not fit SS pumps.

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EMEC PRIUS D MF

Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Motor Size kW	Installation Kit
007160	7	160	175	PVDF, SS, PP	0.37	A (Included)
005176	5	176	70	PVDF, SS, PP	0.37	C
005180	5	180	35	PVDF, SS, PP	0.37	C
005188	5	188	94	PVDF, SS, PP	0.37	C
005212	5	212	70	PVDF, SS, PP	0.37	C
005236	5	236	94	PVDF, SS, PP	0.37	C
005240	5	240	175	PVDF, SS, PP	0.37	B
005284	5	284	94	PVDF, SS, PP	0.37	C
005290	5	290	70	PVDF, SS, PP	0.37	C
005350	5	350	175	PVDF, SS, PP	0.37	C
005380	5	380	94	PVDF, SS, PP	0.37	C
005390	5	390	70	PVDF, SS, PP	0.37	C
005440	5	440	175	PVDF, SS, PP	0.37	C
004520	4	520	94	PVDF, SS, PP	0.37	C
005530	5	530	175	PVDF, SS, PP	0.37	C
003750	3	750	175	PVDF, SS, PP	0.37	C
002M00	2	1000	175	PVDF, SS, PP	0.37	C
005M00	5	1000	175	PVDF, PP	0.55	C

NOTE: B & C Installation Kits - sold separately when required for application. Installation kits do not fit SS pumps.

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EMEC PRIUS D MF AP

High Pressure Diaphragm Metering Pumps

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Pump Head	Motor Size kW
10001.5	100	1.5	70	SS	0.37
100002	100	2	94	SS	0.37
05002.5	50	2.5	35	SS	0.37
100004	100	4	175	SS	0.37
050005	50	5	70	SS	0.37
030005	30	5	35	SS	0.37
050009	50	9	94	SS	0.37
030010	30	10	70	SS	0.37
030014	30	14	35	SS	0.37
030015	30	15	94	SS	0.37
050017	50	17	175	SS	0.37
030028	30	28	175	SS	0.37
030030	30	30	70	SS	0.37
020034	20	34	94	SS	0.37
030041	30	41	94	SS	0.37
020068	20	68	70	SS	0.37
030076	30	76	175	SS	0.37
020091	20	91	94	SS	0.37

NOTE: Accessories for SS pumps are ordered separately.

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EMEC PRIUS P

Plunger Metering Pumps

Standard Features:

- PP or SS Pump Head
- Stainless or Ceramic Plunger
- Aluminium Enclosure with Chemical Resistant Epoxy Coating
- Stroke Length Adjustable from 0-100%
- ATEX (Explosive Atmosphere) Versions also available
- 220-240VAC Single Phase or 230/400V 3 Phase
- 2 Year Warranty*

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Installation Kit
010005	10	5	35	A (Included)
010010	10	10	70	A (Included)
010013	10	13	94	A (Included)
010016	10	16	35	A (Included)
010024	10	24	175	A (Included)
010026	10	26	35	A (Included)
010032	10	32	70	A (Included)
010042	10	42	35	B
010043	10	43	94	A (Included)
010052	10	52	70	A (Included)
010064	10	64	35	B
010070	10	70	94	A (Included)
010080	10	80	175	A (Included)
010084	10	84	70	B
007101 *	7	101	35	C
010113	10	113	94	B
010128	10	128	70	B
010130	10	130	175	A (Included)
010172	10	172	94	B
007203 *	7	203	70	C
010210	10	210	175	B
007273 *	7	273	94	C
010320	10	320	175	B
007508 *	7	508	175	C

NOTE: B & C Installation Kits - sold separately when required for application. * Available in SS only.

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EMEC PRIUS P MF

Plunger Metering Pumps

Standard Features:

- Motor Driven Plunger Pump with Built-in Speed Control
- Stroke length Adjustable from 0-100%
- PP or SS Head, Ceramic or Stainless Plunger
- Working Modes: Constant, PPM,%, mA Volt, Batch
- Level Control
- Alarms
- Aluminium Enclosure with Chemical Resistant Epoxy Coating. IP55
- Single Phase
- 2 Year Warranty*

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PRIUS

Sizes:

Model	Pressure Bar	Capacity l/h	Speed SPM	Installation Kit
010005	10	5	35	A (Included)
010010	10	10	70	A (Included)
010013	10	13	94	A (Included)
010016	10	16	35	A (Included)
010024	10	24	175	A (Included)
010026	10	26	35	A (Included)
010032	10	32	70	A (Included)
010042	10	42	35	B
010043	10	43	94	A (Included)
010052	10	52	70	A (Included)
010064	10	64	35	B
010070	10	70	94	A (Included)
010080	10	80	175	A (Included)
010084	10	84	70	B
010113	10	113	94	B
010128	10	128	70	B
010130	10	130	175	A (Included)
010172	10	172	94	B
010210	10	210	175	B
010320	10	320	175	B

NOTE: B & C Installation Kits - sold separately when required for application.
Installation kits do not fit pumps with SS heads.
Protection against blocked discharge is recommended for motor pumps.

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Section 6 Metering Pump Accessories

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EMEC 1/2 inch Injection Valves

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Model	Tube Connection	Body	Seals
073.1062.1	4 x 6	PVDF	VITON
073.1065.1	4 x 6	PVDF	EPDM
073.1111.1	4 x 6	PVDF	WAX
073.1390.1	4 x 6	PP	EPDM
073.1538.1	4 x 6	PP	WAX
073.0888.1	4 x 6	316SS	VITON
073.1078.1	4 x 8	PVDF	VITON
073.1137.1	4 x 8	PVDF	EPDM
073.1167.1	4 x 8	PVDF	WAX
073.1541.1	4 x 8	PP	EPDM
073.1079.1	6 x 8	PVDF	VITON
073.1112.1	6 x 8	PVDF	EPDM
073.1189.1	6 x 8	PVDF	WAX
073.1495.1	6 x 8	PP	EPDM
073.0889.1	6 x 8	316SS	VITON
073.1080.1	8 x 10	PVDF	VITON
073.1135.1	8 x 10	PVDF	EPDM
073.1337.1	8 x 10	PVDF	WAX
073.1524.1	8 x 10	PP	EPDM
073.1081.1	8 x 12	PVDF	VITON
073.1136.1	8 x 12	PVDF	EPDM
073.1606.1	8 x 12	PVDF	WAX
073.1405.1	8 x 12	PP	EPDM
073.1132.1	12 x 18	PVDF	VITON
073.1133.1	12 x 18	PVDF	EPDM
073.1607.1	12 x 18	PVDF	WAX
073.1542.1	12 x 18	PP	EPDM

1/2” valves feature 1/2” BSP taper thread & 1/4” BSP parallel thread.
All springs Hastelloy C - 0.3 Bar. Other spring settings on request.
PVDF up to 135°C. PP up to 40°C.
PTFE coated spring option for extreme applications.

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EMEC 3/4 inch Injection Valves

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Model	Tube Connection	Body	Seals
073.1212.1	8 x 10	PVDF	VITON
073.1213.1	8 x 10	PVDF	EPDM
073.1608.1	8 x 10	PVDF	WAX
073.4786.1	8 x 10	PP	EPDM
073.1292.1	8 x 12	PVDF	VITON
073.1344.1	8 x 12	PVDF	EPDM
073.1606.1	8 x 12	PVDF	WAX
073.1543.1	8 x 12	PP	EPDM
073.0008.1	12 x 18	PVDF	VITON
073.0009.1	12 x 18	PVDF	EPDM
073.1609.1	12 x 18	PVDF	WAX
073.1394.1	12 x 18	PP	EPDM
073.1214.1	13 x 16	PVDF	VITON
073.1215.1	13 x 16	PVDF	EPDM
073.1610.1	13 x 16	PVDF	WAX
073.4618.1	13 x 16	PP	EPDM

3/4” valves feature 3/4” BSP taper thread and 3/8” BSP parallel thread.
All springs Hastelloy C - 0.3 Bar. Other spring settings on request.
PVDF up to 135°C, PP up to 40°C.

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EMEC 1-1/2 inch Injection Valves

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Model	Tube Connection ID mm	Valve Body	Valve Seals
073.5096.1	13	PVDF	VITON
073.5097.1	13	PVDF	EPDM
073.5098.1	13	PP	VITON
073.4836.1	13	PP	EPDM
073.4742.1	18	PVDF	VITON
073.4778.1	18	PVDF	EPDM
073.1597.1	18	PP	VITON
073.1598.1	18	PP	EPDM
073.4779.1	32	PVDF	VITON
073.4780.1	32	PVDF	EPDM
073.1599.1	32	PP	VITON
073.1600.1	32	PP	EPDM

1-1/2 inch valves feature 1-1/2 inch BSP thread.
All springs Hastelloy C - 0.3 Bar.
Other spring settings on request.
PVDF up to 135°C, PP up to 40°C.

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EMEC Injection Lances

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The injection lance allows the injection fitting to be withdrawn, serviced and refitted without depressurising the process line.

Model	Size Inch	Tube Connection	Body	Seals	Temperature	Pressure Bar	Valve
LINI/V 1/2 4x6	1/2	4 x 6	PVDF	VITON	25°C	16	None
LINI/V 1/2 6x8	1/2	6 x 8	PVDF	VITON	25°C	16	None
LINI/V 1/2 8x10	1/2	8 x 10	PVDF	VITON	25°C	16	None
LINI/V 1/2 8x12	1/2	8 x 12	PVDF	VITON	25°C	16	None
LINI/D 1/2 4x6	1/2	4 x 6	PP	EPDM	25°C	16	None
LINI/D 1/2 6x8	1/2	6 x 8	PP	EPDM	25°C	16	None
LINI/D 1/2 8x10	1/2	8 x 10	PP	EPDM	25°C	16	None
LINI/D 1/2 8x12	1/2	8 x 12	PP	EPDM	25°C	16	None
LINIR/V 1/2 4x6	1/2	4 x 6	PVDF	VITON	25°C	16	PVC
LINIR/V 1/2 6x8	1/2	6 x 8	PVDF	VITON	25°C	16	PVC
LINIR/V 1/2 8x10	1/2	8 x 10	PVDF	VITON	25°C	16	PVC
LINIR/V 1/2 8x12	1/2	8 x 12	PVDF	VITON	25°C	16	PVC
LINIR/D 1/2 4x6	1/2	4 x 6	PP	EPDM	25°C	16	PVC
LINIR/D 1/2 6x8	1/2	6 x 8	PP	EPDM	25°C	16	PVC
LINIR/D 1/2 8x12	1/2	8 x 12	PP	EPDM	25°C	16	PVC
LINIR/K 1/2 4x6	1/2	4 x 6	PVDF	VITON	25°C	16	PVDF
LINIR/K 1/2 6x8	1/2	6 x 8	PVDF	VITON	25°C	16	PVDF
LINI-SS-D 1/2 4x6	1/2	4 x 6	316SS	EPDM	150°C	25	None
LINI-SS-V 1/2 4x6	1/2	4 x 6	316SS	VITON	200°C	25	None
LINIR/V 3/4 8x12	3/4	8 x 12	PVDF	VITON	25°C	25	PVDF
LINIR/D 3/4 8x12	3/4	8 x 12	PVDF	EPDM	25°C	25	PVDF
LINIR-SS-V 1/2 4x6	1/2	4 x 6	316SS	VITON	200°C	25	316SS

PVDF shaft extensions are available in 5,10 and 15cm lengths.
PVDF coated spring available for chlorine dioxide service.
Available with a range of tube connections.

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EMEC 1/2 inch Foot Valves

Axial Foot Valve - Without Float Switch

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Model	Tube Connection	Valve Body	Valve Seals
074.0570.1	4 x 6	PVDF	VITON
074.0571.1	4 x 6	PVDF	EPDM
074.0572.1	4 x 6	PVDF	WAX
074.0666.1	4 x 6	PP	EPDM
074.0686.1	4 x 6	PP	WAX
074.0576.1	4 x 8	PVDF	VITON
074.0596.1	4 x 8	PVDF	EPDM
074.0643.1	4 x 8	PVDF	WAX
074.0704.1	4 x 8	PP	EPDM
074.0577.1	6 x 8	PVDF	VITON
074.0597.1	6 x 8	PVDF	EPDM
074.0640.1	6 x 8	PVDF	WAX
074.0687.1	6 x 8	PP	EPDM
074.0578.1	8 x 10	PVDF	VITON
074.0598.1	8 x 10	PVDF	EPDM
074.0739.1	8 x 10	PVDF	WAX
074.0689.1	8 x 10	PP	EPDM
074.0579.1	8 x 12	PVDF	VITON
074.0599.1	8 x 12	PVDF	EPDM
074.0740.1	8 x 12	PVDF	WAX
074.0696.1	8 x 12	PP	EPDM
074.0600.1	12 x 18	PVDF	VITON
074.0601.1	12 x 18	PVDF	EPDM
074.0741.1	12 x 18	PVDF	WAX
074.0705.1	12 x 18	PP	EPDM
074.0655.1	13 x 16	PVDF	VITON
074.0726.1	13 x 16	PVDF	EPDM
074.0736.1	13 x 16	PP	EPDM

1/2 inch valves feature 1/2 inch BSP thread.
Filter removable for cleaning.
Serviceable Non Return Ball Valve.

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EMEC 1-1/2 inch Foot Valves

Foot Valve - Without Float Switch

Model	Tube Connection ID mm	Valve Body	Valve Seals
074.0833.1	13	PVDF	VITON
074.0834.1	13	PVDF	EPDM
074.0766.1	13	PP	VITON
074.0765.1	13	PP	EPDM
074.0783.1	18	PVDF	VITON
074.0789.1	18	PVDF	EPDM
074.0727.1	18	PP	VITON
074.0728.1	18	PP	EPDM
074.0778.1	32	PVDF	VITON
074.0790.1	32	PVDF	EPDM
074.0729.1	32	PP	VITON
074.0730.1	32	PP	EPDM

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1-1/2 inch valves feature 1-1/2 inch BSP thread.
Filter removable for cleaning.
Serviceable Non Return Ball Valve.

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EMEC Chemical Level Switches

Axial level switch fitted to EMEC axial foot valve with BNC connector. Foot Valve sold separately.

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EMEC Axial Level Switches

Model	Body	Seals	Cable mtr	Connection
076.0149.1	PVDF	VITON	2	BNC
076.0150.1	PVDF	EPDM	2	BNC
076.0316.1	PP	EPDM	2	BNC
076.0539.1	PP	WAX	2	BNC
076.0322.1	PVDF	VITON	10	BNC
076.0293.1	PVDF	EPDM	10	BNC

EMEC Axial Level Switches
for PRIUS / PRISMA

Model	Body	Seals	Cable mtr	Connection 2 pin
076.0005.1	PVDF	VITON	2.5	Weipu
076.0091.1	PVDF	EPDM	2.5	Weipu
076.0409.1	PP	EPDM	2.5	Weipu

EMEC Level Switch With Bracket

Model	Body	Seals	Cable mtr	Connection
076.0010.1	PP	VITON	2	BNC
076.0011.1	PP	EPDM	2	BNC
076.0015.1	PVDF	VITON	2	BNC

EMEC Level Switch With Bracket
for PRIUS / PRISMA

Model	Body	Seals	Cable mtr	Connection 2 pin
076.0020.1	PP	VITON	2	Weipu
076.0021.1	PP	EPDM	2	Weipu

Longer cables, alternative materials, alternative connections available on request.

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EMEC Multifunction / Security Valves

EMEC Multifunction Valve Combined Back Pressure, Safety, Anti-Siphon & Bleed Valve				
Model	**Body**	**Seals**	**Mounting Version**	**Connection**
MFKT/V	PVDF	VITON	Pump	4 x 6
MFKT/D	PP	EPDM	Pump	4 x 6
MFKTS/V	PVDF	VITON	Wall	4 x 6
MFKTS/D	PP	EPDM	Wall	4 x 6

For up to 20lph, available with PTFE coated spring for extreme applications.
Alternative connection sizes available on request.
Alternative materials and seals on request

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EMEC Security Valve Back Pressure Valve or Relief Valve, 0.5 to 10 bar, For PRIUS Motor Pumps				
Model	**Body**	**Seals**	**Diaphragm**	**Connection**
023.0093.0	PVC	EPDM	PTFE	D16
023.0099.0	PVC	EPDM	PTFE	9 x 12
023.0101.0	PVC	VITON	PTFE	D18
023.0102.0	PVC	EPDM	PTFE	D18
023.0104.0	PVC	VITON	PTFE	D32
023.0105.0	PVC	EPDM	PTFE	D32

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EMEC Flow Sensors

EMEC Flow Sensor Flow Sensor for confirmation of Pump operation			
Model	**Body**	**Seals**	**Mounting Version**
SEFL/D	PP	EPDM	Pump
SEFLS/D	PP	EPDM	Wall
SEFL/V	PVDF	VITON	Pump
SEFLS/V	PVDF	VITON	Wall

Add LPV to the part number for viscous liquids up to 8,000cPs.

EMEC PRIUS Flow Sensor Flow Sensor for confirmation of Pump operation				
Model	**Body**	**Seals**	**Flow l/h**	**PMMA**
SEFLMS/PRIUS V	PVDF	VITON	160-1000	1-1/2
SEFLMS/PRIUS D	PP	EPDM	160-1000	1-1/2

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Calibration Cylinders

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EMEC Calibration Cylinders			
Model	Size ml	Body	Connection
CC100-4x6	100	PP	4 x 6
CC100-6x8	100	PP	6 x 8
CC250-4x6	250	PP	4 x 6
CC250-6x8	250	PP	6 x 8
CC1000-6x8	1000	PP	6 x 8

ACCUDRAW Calibration Cylinders			
Model	Size ml	Body	Connection
CV2-100B	100	PVC	BSP
CV2-250B	250	PVC	BSP
CV2-500B	500	PVC	BSP
CV2-1000B	1000	PVC	BSP
CV2-2000B	2000	PVC	BSP

Larger sizes available on request.

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EMEC Pulsation Dampeners

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EMEC Pulsation Dampeners					
Model	Body	Seals	Volume ltr	Pressure Bar	Connection inch
SOIM3/V	PVC	VITON	0.09	10	3/8
SOIM3/D	PVC	EPDM	0.09	10	3/8
SOIM3K/V	PVDF	VITON	0.09	10	3/8
SOIM3K/D	PVDF	EPDM	0.09	10	3/8
SOIM1/V	PVC	VITON	0.5	5	1/2
SOIM1/D	PVC	EPDM	0.5	5	1/2
SOIM1K/V	PVDF	VITON	0.5	10	1/2
SOIM1K/D	PVDF	EPDM	0.5	10	1/2
SOIM1/SS/V	316SS	VITON	0.5	10	1/2
SOIM1/SS/D	316SS	EPDM	0.5	10	1/2
SOIM2.5/V	PVC	VITON	2.5	10	3/4 x 18
SOIM2.5/D	PVC	EPDM	2.5	10	3/4 x 18
SOIM5/V	PVC	VITON	5	10	1-1/4 x 32
SOIM5/D	PVC	EPDM	5	10	1-1/4 x 32

Pulsation Dampener Sizing

$$\text{Volume (L)} = \frac{\text{Pressure (Bar)} \times \text{Quantity to Dose (L)}}{500}$$

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EMEC Pump Mounting Brackets

STKN
Wall Mounting Bracket

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EMEC Mounting Brackets			
Model	Pump Model	Mounting	Material
STAMS	AMS / CMS	Side	PVC
STAMS2	AMS / CMS	Front	PVC
STKN	K / H	Front	PP
STK1	K / H	Tank	PVC
STT	T / G	Tank	PVC
STF	F	Tank	PP
STVN	V	Tank	PVC
STW	W	Tank	PVC
STPRIUS	PRIUS D / P	Front	PP
STPRIUS1	PRIUS D / P	Tank	PVC
STPRIUS MF	PRIUS DMF / PMF	Tank	PVC
STPRIUS MF2	PRIUS	Front	PVC
STPRIUS SS	PRIUS	Front	304SS
STPRISMA	PRISMA	Front	PP

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EMEC PE Chemical Tanks & Safety Bunds

Standard Features:

- One Piece Moulded Tank
- Screw On Lid
- Mounting Threads For Metering Pumps
- Mounting Threads For Mixer
- Assorted Drill Out Ports With BSP Threads
- Chemical Level Scale

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Models:

PE Chemical Tanks			
Model	Size ltr	Dimension D x H mm	Material
CNT PD50	50	420 x 505	PE Natural
CNT PD110	110	495 x 735	PE Natural
CNT PD200	200	610 x 850	PE Natural
CNT PD500	500	780 x 1200	PE Natural

PE Safety Bunds			
Model	For Tank Size	Dimension Ø mm	Material
COS PD50	50	510	PE Natural
COS PD110	110L	545	PE Natural
COS PD200	200	695	PE Natural
COS PD500	500	840	PE Natural

Options:

Manual mixers, electric mixers, suction lances, level lances, level sensors, level indicators, safety bunds.
50L and 110L tanks available in natural, yellow or blue.

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EMEC Suction Lances

LASP4

Rigid Suction Lance with Adjustable Height, Foot Valve & Float Switch Built-in

Model	Size	Body	Seals	Length cm						Flow l/h
LASP4/V	4 x 6	PVC	VITON	40	63	75	95	108	122	up to 10
LASP4/D	4 x 6	PVC	EPDM	40	63	75	95	108	122	up to 10
LASP4/V TANK	4 x 6	PVC	VITON	40	63					up to 10
LASP4/D TANK	4 x 6	PVC	EPDM	40	63					up to 10
LASP5/V	6 x 8	PVC	VITON	40	63	75	95	108	122	over 10
LASP5/D	6 x 8	PVC	EPDM	40	63	75	95	108	122	over 10
LASP6/V	6 x 8	PVDF	VITON	40	63	75		108	122	up to 10

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Options:

Available with double suction connections for two pumps.

LASP4 available with double float switches. Specify distance when ordering.

LASP4/V-TANK & LASP/D-TANK designed to fit containers with screws on lids.

Alternative tube connections on request.

LASP4 TANK

Rigid Suction Lances for PRIUS Pumps from 250 to 500 l/h.

Level Probe sold separately.

Model	Tube Size ID mm	Body	Seals	Length cm		
LASP/M D13 EP	13	PVC	EPDM	75	108	122
LASP/M D13 FP	13	PVC	VITON	75	108	122
LASP/M D18 EP	18	PVC	EPDM	75	108	122
LASP/M D18 FP	18	PVC	VITON	75	108	122
LASP/M D32 EP	32	PVC	EPDM	75	108	122
LASP/M D32 FP	32	PVC	VITON	75	108	122

Options:

Available with 1 or 2 outlets - D13 & D18 only.

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EMEC Visual Level Indicators

EMEC Tank Mounted Level Indicator		
Model	**For Tank Model**	**Tank Depth mm**
SLV50	CNT PD50	505
SLV110	CNT PD110	735
SLV200	CNT PD200	850
SLV500	CNT PD500	1000

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EMEC Hose Holding Kits

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3/8 inch

1/2 inch

3 piece Connection Set for Connecting Tube - One Connection per Kit			
Model	**Thread Inch**	**Tube Size ID x OD**	**Material**
110.0982.1	3/8	4 x 6	PP
110.6843.1	3/8	4 x 6	PVDF
110.1120.1	3/8	4 x 8	PP
110.1045.1	3/8	4 x 8	PVDF
110.1002.1	3/8	6 x 8	PP
110.0988.1	3/8	6 x 8	PVDF
110.1026.1	3/8	1/4	PVDF
110.0990.1	1/2	4 x 6	PP
110.6844.1	1/2	4 x 6	PVDF
110.1122.1	1/2	4 x 8	PP
110.1049.1	1/2	4 x 8	PVDF
110.1016.1	1/2	6 x 8	PP
110.0974.1	1/2	6 x 8	PVDF
110.0128.1	1/2	8 x 10	PP
110.1028.1	1/2	8 x 10	PVDF/SS
110.1030.1	1/2	8 x 10	PVDF
110.1147.1	1/2	8 x 12	PP
110.6846.1	1/2	8 x 12	PVDF
110.1131.1*	1/2	9 x 12	PP
110.1085.1*	1/2	9 x 12	PVDF
110.1053.1*	1/2	5 x 8	PVDF
110.1033.1**	1/2	1/4	PVDF
110.1041.1**	1/2	3/8	PVDF
110.1055.1**	1/2	1/2	PVDF
110.1018.1	3/4	8 x 10	PVDF
110.1021.1	3/4	8 x 12	PVDF

Alternative colours and materials on request
* Common size used with competing pump brands.
** For converting accessories for use with American pumps.

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EMEC Hose Holding Kits / Empty Valve Bodies

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EMEC Hose Holding Kit Connection Sets with Hose Tail for Connecting Tube - one connection per kit			
Model	**Thread Inch**	**Tube Size ID mm**	**Material**
110.1072.1	1/2	12	PP
110.1025.1	1/2	12	PVDF
021.1024.0	1/2	16	PVC
110.1118.1	1/2	18	PP
110.1068.1	3/4	12	PP
110.1023.1	3/4	12	PVDF
110.1064.1	3/4	18	PVDF

EMEC Empty Valve Bodies			
Model	**Thread Inch**	**Material**	**Seals**
029.0296.1	3/8	PP	EPDM
029.0545.1	3/8	PVDF	VITON
029.0552.1	3/8	PVDF	EPDM
029.0096.1	1/2	PP	EPDM
029.0095.1	1/2	PP	VITON
029.0066.1	1/2	PVDF	VITON

Add one connection set to valve body to adapt from tube to pipe thread. Add two connection sets to join two tubes together, or adapt from one tube size to another.

Options:

Alternative colours and materials on request.

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EMEC Tubing for Metering Pumps

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For custom lengths, use p/mtr code.

Minimum 2 mtr length.

EMEC Tubing — PVC				
Part No	Tube Size ID x OD mm	Application	Tube Type	Roll Size Mtr
049.0551.0	4 x 6	Suction	Clear	p/mtr
049.0359.0	4 x 6	Suction	Clear	25
049.0363.0	4 x 6	Suction	Clear	50
049.0333.0	4 x 6	Suction	Clear	100
049.0054.0	4 x 8	Suction	Clear	p/mtr
049.0511.0	4 x 8	Suction	Clear	25
049.0501.0	4 x 8	Suction	Clear	50
049.0407.0	4 x 8	Suction	Clear	100
049.0004.0	8 x 12	Suction	Clear	p/mtr
049.0330.0	8 x 12	Suction	Clear	25
049.0500.0	8 x 12	Suction	Clear	50
049.0005.0	12 x 18	Suction/Discharge	Reinforced	p/mtr
049.0432.0	12 x 18	Suction/Discharge	Reinforced	5
049.0341.0	12 x 18	Suction/Discharge	Reinforced	25
049.0481.0	12 x 18	Suction/Discharge	Reinforced	50
049.0637.0	16 x 22	Suction/Discharge	Reinforced	p/mtr
049.0158.0	32 x 42	Suction/Discharge	Reinforced	p/mtr
049.0601.0	32 x 42	Suction/Discharge	Reinforced	5

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EMEC Tubing for Metering Pumps

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For custom lengths, use p/mtr code.

Minimum 2 mtr length.

EMEC Tubing — PE Polyethylene

Part No	Tube Size ID x OD mm	Application	Tube Type	Roll Size mtr
049.0092.0	4 x 6	Discharge	Natural	p/m
049.0496.0	4 x 6	Discharge	Natural	25
049.0332.0	4 x 6	Discharge	Natural	50
049.0331.0	4 x 6	Discharge	Natural	100
049.0337.0	4 x 6	Discharge	Natural	200
059.0155.0	4 x 6	Discharge	Black	p/m
049.0737.0	4 x 6	Discharge	Black	25
049.0589.0	4 x 6	Discharge	Black	50
049.0038.0	4 x 8	Discharge	Natural	p/m
049.0590.0	4 x 8	Discharge	Natural	25
049.0505.0	4 x 8	Discharge	Natural	50
049.0408.0	4 x 8	Discharge	Natural	100
049.0010.0	6 x 8	Suction/Discharge	Natural	p/m
049.0269.0	6 x 8	Suction/Discharge	Natural	25
049.0437.0	6 x 8	Suction/Discharge	Natural	50
049.0002.0	8 x 12	Discharge	Natural	p/m
049.0482.0	8 x 12	Discharge	Natural	50
049.0200.0	12 x 15	Discharge	Natural	p/m
049.0944.0	18 x 25	Discharge	Natural	p/m

Hose Cutter

Part No	Description
HOSECUTTER	For cutting dosing tube clean and straight.

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EMEC Tubing for Metering Pumps

For specific lengths, use p/mtr code.

Minimum 2 mtr length.

Cutting charges apply.

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To prevent chemical compatibility and tube detachment issues, we **recommend** using **genuine EMEC** suction and discharge tubing.

EMEC Tubing — PVDF

Part No	Tube Size ID x OD mm	Application	Tube Type	Roll Size Mtr
049.0057.0	4 x 6	Suction/Discharge	Natural	p/mtr
049.0284.0	4 x 6	Suction/Discharge	Natural	5
049.0446.0	4 x 6	Suction/Discharge	Natural	25
049.0483.0	4 x 6	Suction/Discharge	Natural	50
049.0343.0	4 x 6	Suction/Discharge	Natural	100
059.0014.0	6 x 8	Suction/Discharge	Natural	p/mtr
049.0366.0	6 x 8	Suction/Discharge	Natural	5
049.0510.0	6 x 8	Suction/Discharge	Natural	25
049.0436.0	6 x 8	Suction/Discharge	Natural	50
049.0345.0	6 x 8	Suction/Discharge	Natural	100
059.0067.0	8 x 10	Suction/Discharge	Natural	p/mtr
049.0312.0	8 x 10	Suction/Discharge	Natural	5
049.0525.0	8 x 10	Suction/Discharge	Natural	25
049.0066.0	13 x 16	Suction/Discharge	Natural	p/mtr
049.1839.0	18 x 22	Suction/Discharge	Natural	p/mtr

Part No	Tube Size ID x OD	Application	Tube Type	Roll Size Mtr
049.1905.0	1/4 inch	Suction/Discharge	Natural	25

EMEC recommends using **PVDF** tubing when dosing sodium hypochlorite or concentrated sulphuric acid.
See Chemical Compatibility List for more information.

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EMEC PRIUS Installation Kits

EMEC PRIUS Installation Kit Kit A supplied with Pump - consists of:
1/2 inch Foot Valve with 13mm ID Tube Fitting
3/4 inch Injection Valve
12 x 18 PVC Suction Tube
13 x 16 PVDF Discharge Tube

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EMEC PRIUS Installation Kits Kit B & Kit C purchased separately - not supplied with Pump				
Model	**Valve Size Inch**	**Tube ID mm**	**Material**	**Seal**
KIT B				
110.6842.1	1-1/2	18	PP	EPDM
110.9118.1	1-1/2	18	PVDF	EPDM
110.9070.1	1-1/2	18	PP	VITON
110.9106.1	1-1/2	18	PVDF	VITON
KIT C				
110.9073.1	1-1/2	32	PP	EPDM
110.9120.1	1-1/2	32	PVDF	EPDM
110.6841.1	1-1/2	32	PP	VITON
110.9119.1	1-1/2	32	PVDF	VITON

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Section 7 Water Powered Dosing Pumps

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7 Proportional Water Powered Dosing Pumps

mixtron

MIXTRON MX1300 P055
Maximum Flow 13,000 lph

MIXTRON proportional dosing pumps are suitable for a wide range of applications including:
livestock medication, fertiliser addition, water treatment, pharmaceutical, food additives and metalworking.

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Proportional Water Powered Dosing Pumps

Standard Features:

- No Electricity Required
- Precise Dose Ratio Regulation
- Double Mixing Chamber
- Simple Maintenance
- Stable Proportional Dosing even with Fluctuating Pressure and Flows
- Chemical Resistant Materials
- Viton or EPDM Seals
- 316SS Springs for Improved Durability
- Operating Temperature Range 5-40°C
- Operating Pressure 0.3-6 Bar
- Suction Tube, Foot Valve & Bracket Included
- 12 Month Warranty*

Options:

On/off switch. Flange Adaptor. Viton, Viton Extreme, EPDM, EPDM Extreme seals.
Bypass version for aggressive chemicals.

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Proportional Water Powered Dosing Pumps

Model	Water Flow max		Dosing Percentage
	l/m	m³/h	
MX075.P003	12.5	.75	0.03 - 0.2
MX075.P022	12.5	.75	0.2 - 2
MX075.P054	12.5	.75	0.5 - 4
MX075.P150	12.5	.75	1 - 5
MX075.P110	12.5	.75	1 - 10
MX150.P003	25	1.5	0.03 - 0.2
MX150.P022	25	1.5	0.2 - 2
MX150.P054	25	1.5	0.5 - 4
MX150.P150	25	1.5	1 - 5
MX150.P110	25	1.5	1 - 10
MX250.P003	40	2.5	0.03 - 0.2
MX250.P022	40	2.5	0.2 - 2
MX250.P054	40	2.5	0.5 - 4
MX250.P150	40	2.5	1 - 5
MX250.P110	40	2.5	1 - 10
MX300.P003	50	3.0	0.03 - 0.2
MX300.P022	50	3.0	0.2 - 2
MX300.P054	50	3.0	0.5 - 4
MX300.P150	50	3.0	1 - 5
MX300.P110	50	3.0	1 - 10
MX500.P022	83	5.0	0.2 - 2
MX500.P150	83	5.0	1 - 5
MX700.P022	116	7.0	0.2 - 2
MX700.P150	116	7.0	1 - 5
MX900.P022	150	9.0	0.2 - 2
MX900.P150	150	9.0	1 - 5
MX950.P055-B	158	9.5	0.5 - 5
MX1100.P055-B	183	11.0	0.5 - 5
MX1300.P055-B	216	13.0	0.5 - 5

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Section 8 Centrifugal Chemical Pumps

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fluimac
PUMPS WE TRUST

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FLUIMAC Mini Compass

Chemical Pumps

Standard Features:

- Magnetically Coupled
- Low Noise
- Low Energy Use
- Liquid Temperature: PP-0-60°C, PVDF-0-90°C
- Single Phase, 230VAC, IP54
- No Metal Shaft or Mechanical Seal
- Maximum Viscosity 20cPs
- 12 Month Warranty*

Principal of Operation

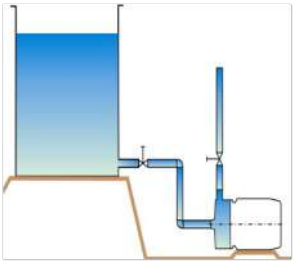
The drive magnet is located outside of the sealed pump casing and is driven by the motor. This drives the magnetic impellor inside the casing.
In this way, the traditional shaft seal and consequent leakage problems are eliminated.

Sizes:

Model	Max Head m	Max Capacity l/m	Head	Seal	Power Watts	Connections
MC10 PD	1.5	10	PP	EPDM	6	14mm hose tail
MC10 KV	1.5	10	PVDF	VITON	6	14mm hose tail
MC20 PD	3	24	PP	EPDM	20	3/4 BSP
MC20 KV	3	24	PVDF	VITON	20	3/4 BSP
MC30 PD	3.8	34	PP	EPDM	45	3/4 BSP
MC30 KV	3.8	34	PVDF	VITON	45	3/4 BSP
MC30H PD	8	16	PP	EPDM	45	3/4 BSP
MC30H KV	8	16	PVDF	VITON	45	3/4 BSP
MC40 PD	5.8	45	PP	EPDM	65	3/4 BSP
MC40 KV	5.8	45	PVDF	VITON	65	3/4 BSP

Typical Applications:

Water treatment, ice making machines, beverage vending machines, corrosive chemical solutions, sea water, pure water (demineralised water), preservatives, horticultural applications, dyeing & etching, electroplating, de-scaling and toxic liquids.



Pumps Cannot Run Dry

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FLUIMAC Compass

CM4 - CM6 Chemical Pumps

Standard Features:

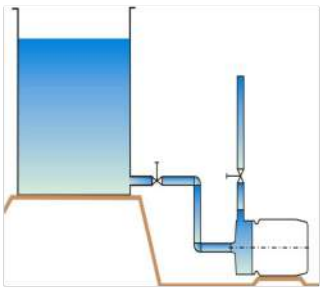
- Magnetically Coupled Centrifugal Pumps
- Standard IEC Motors
- No Metal Shaft or Mechanical Seal
- 12 Month Warranty*

Sizes:

Model	Max Head m	Max Capacity l/m	Head Material	Seal Material	Viscosity cPs (max)	Motor Power kW	Connections Inlet / Outlet Inch BSP
CM04 PD 58	4	45	PP	EPDM	100	0.12	1 / 1/2
CM04 KV 58	4	45	PVDF	VITON	100	0.12	1 / 1/2
CM04 PD 68	5.5	54	PP	EPDM	100	0.12	1 / 1/2
CM04 KV 68	5.5	54	PVDF	VITON	100	0.12	1 / 1/2
CM04 PD 78	7.5	58	PP	EPDM	100	0.12	1 / 1/2
CM04 KV 78	7.5	58	PVDF	VITON	100	0.12	1 / 1/2
CM06 PD 65	4.9	83	PP	EPDM	150	0.25 / 0.37	1 / 3/4
CM06 KV 65	4.9	83	PVDF	VITON	150	0.25 / 0.37	1 / 3/4
CM06 PD 70	6.7	98	PP	EPDM	150	0.25 / 0.37	1 / 3/4
CM06 KV 70	6.7	98	PVDF	VITON	150	0.25 / 0.37	1 / 3/4
CM06 PD 81	8.5	108	PP	EPDM	150	0.25 / 0.37	1 / 3/4
CM06 KV 81	8.5	108	PVDF	VITON	150	0.25 / 0.37	1 / 3/4

Typical Applications:

Water treatment, chemical solutions, CIP systems, sea water, pure water (demineralised water), preservatives, horticultural applications, dyeing & etching, electroplating, de-scaling, product washing and toxic liquids.



Pumps Cannot Run Dry

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8

FLUIMAC Compass

CM10 - CM15 Chemical Pumps

Standard Features:

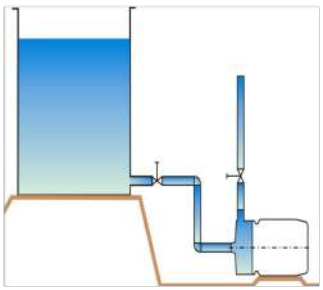
- Magnetically Coupled Centrifugal Pumps
- Standard IEC Motors
- No Metal Shaft or Mechanical Seal
- Maximum
- 12 Month Warranty*

Sizes:

Model	Max Head m	Max Capacity l/m	Head Material	Seal Material	Viscosity cPs (max)	Motor Power kW	Connections Inlet / Outlet Inch BSP
CM10 PD 70	6	141	PP	EPDM	200	0.55 / 0.75	1-1/2 / 1
CM10 KV 70	6	141	PVDF	VITON	200	0.55 / 0.75	1-1/2 / 1
CM10 PD 85	10	183	PP	EPDM	200	0.55 / 0.75	1-1/2 / 1
CM10 KV 85	10	183	PVDF	VITON	200	0.55 / 0.75	1-1/2 / 1
CM10 PD 98	13.5	216	PP	EPDM	200	0.55 / 0.75	1-1/2 / 1
CM10 KV 98	13.5	216	PVDF	VITON	200	0.55 / 0.75	1-1/2 / 1
CM15 PD 90	10	283	PP	EPDM	200	1.1 / 1.5	2 / 1-1/4
CM15 KV 90	10	283	PVDF	VITON	200	1.1 / 1.5	2 / 1-1/4
CM15 PD 108	15	350	PP	EPDM	200	1.1 / 1.5	2 / 1-1/4
CM15 KV 108	15	350	PVDF	VITON	200	1.1 / 1.5	2 / 1-1/4
CM15 PD 123	19	400	PP	EPDM	200	1.1 / 1.5	2 / 1-1/4
CM15 KV 123	19	400	PVDF	VITON	200	1.1 / 1.5	2 / 1-1/4

Typical Applications:

Water treatment, chemical solutions, CIP systems, sea water, pure water (demineralised water), preservatives, horticultural applications, dyeing & etching, electroplating, de-scaling, product washing and toxic liquids.



Pumps Cannot Run Dry

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FLUIMAC Compass

CM30 Chemical Pumps

Standard Features:

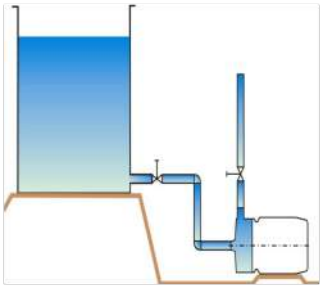
- Magnetically Coupled Centrifugal Pumps
- Standard IEC Motors
- No Metal Shaft or Mechanical Seal
- Maximum
- 12 Month Warranty*

Sizes:

Model	Max Head m	Max Capacity l/m	Head Material	Seal Material	Viscosity cPs (max)	Motor Power kW	Connections Inlet / Outlet Inch BSP
CM30 PD 110	15.5	516	PP	EPDM	200	2.2 / 3	2 / 1-1/2
CM30 KV 110	15.5	516	PVDF	VITON	200	2.2 / 3	2 / 1-1/2
CM30 PD 122	20	550	PP	EPDM	200	2.2 / 3	2 / 1-1/2
CM30 KV 122	20	550	PVDF	VITON	200	2.2 / 3	2 / 1-1/2
CM30 PD 134	24	583	PP	EPDM	200	2.2 / 3	2 / 1-1/2
CM30 KV 134	24	583	PVDF	VITON	200	2.2 / 3	2 / 1-1/2

Typical Applications:

Water treatment, chemical solutions, CIP systems, sea water, pure water (demineralised water), preservatives, horticultural applications, dyeing & etching, electroplating, de-scaling, product washing and toxic liquids.



Pumps Cannot Run Dry

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FLUIMAC Chemical Pumps

Larger Pumps Available On Request

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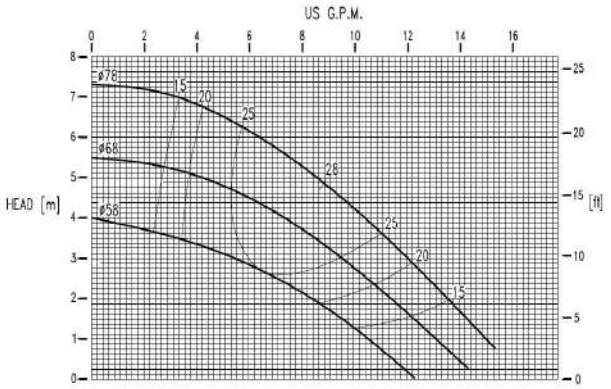
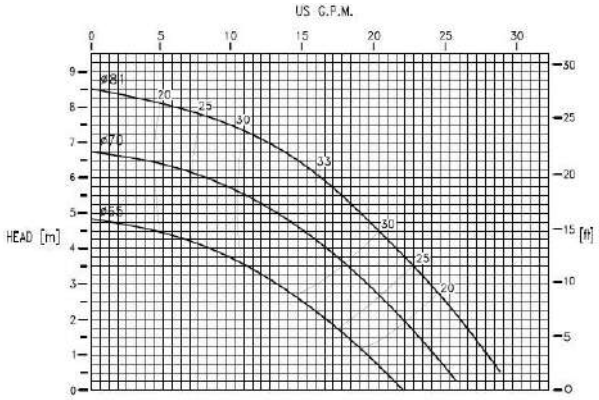
FLUIMAC Chemical Pump Curves

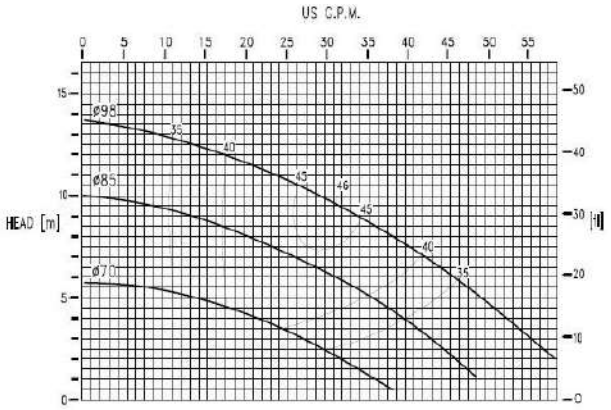
CM4 Curve



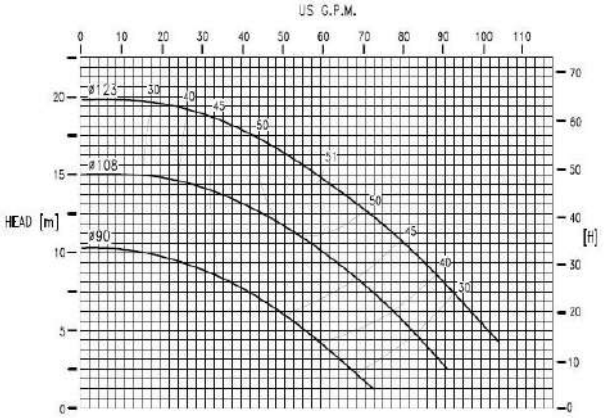
CM6 Curve



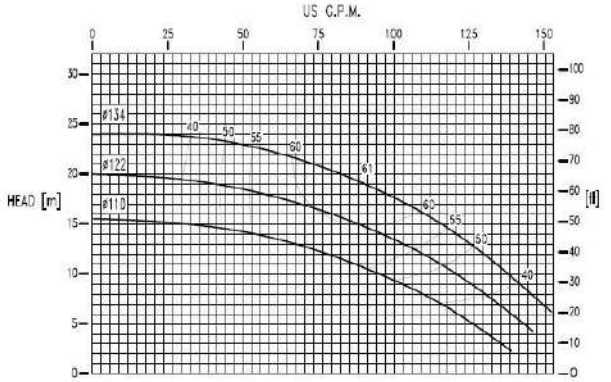
CM10 Curve



CM15 Curve



CM30 Curve



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Section 9 Air Operated Double Diaphragm Pumps

9

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Phoenix Air Operated Double Diaphragm Pumps 7 - 1050 l/m	Page 2
Flow Curves	Page 3 - 4

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FLUIMAC

Air Operated Double Diaphragm Pumps

Standard Features:

- Self Priming, Variable Flow Rates & Discharge Pressures, Dead Head without Damage, Run Dry without Damage, High Solids Handling, Viscous Liquids Handling, Corrosive Liquids Handling, Gentle on Shear Sensitive Fluids, 12 Month Warranty*

Available Models:

PHOENIX

Air Operated Double Diaphragm Pumps
Available in PP, PVDF, Aluminium, Stainless steel POMc
Flow Rates from 7lpm to 1000lpm

PHOENIX FOOD

Air Operated Double Diaphragm Pumps
Electropolished 316 Stainless steel , with Tri Clamp connections
Flow Rates from 20lpm to 1000lpm

PHOENIX ATEX

Air Operated Double Diaphragm Pumps
Certified for Zone 1 Hazardous Areas
Flow Rates from 7lpm to 1000lpm

ACCURATE PHOENIX

Air Operated Double Diaphragm Pumps
Stroke By Stroke Remote Speed Control
Flow Rates from 7lpm to 250 lpm

TWIN PHOENIX

Air Operated Double Diaphragm Pumps
Double inlet/outlet connections for equal pumping of two medias
Flow Rates from 7lpm to 700 lpm

POWDER PHOENIX

Air Operated Double Diaphragm Pumps
Special design to handle powder
Available in Aluminium, 316SS,

SUBMERSIBLE PHOENIX

Air Operated Double Diaphragm Pumps
Configured To Operate When submerged
Flow Rates from 7 to 1000 lpm.

Applications:

Wastewater, chemicals, oils, ink, paint, industrial washing & de-greasing, drum transfer, sand slurries, cleaning products, solvents, lacquers, chemical transfer, sump pump.

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FLUIMAC PHOENIX

Air Operated Double Diaphragm Pumps

Standard Features:

- Self Priming
- Submersible or Dry Mount
- Variable Flow Rates & Discharge Pressures
- Dead Head without Damage
- Run Dry without Damage
- High Solids Handling
- Viscous Liquids Handling
- Corrosive Liquids Handling
- Gentle on Shear Sensitive Fluids
- 12 Month Warranty*

Sizes:

Model	Max Head m	Max Capacity l/m	Max Viscosity cPs	Connections Inch BSP	Max Solids Size mm
P007	60	7	5,000	1/4	2
P018	70	20	10,000	3/8	2.5
P030	70	35	15,000	1/2	3
P055	80	55	15,000	1/2	3.5
P060	80	65	20,000	1/2	3.5
P090	80	100	25,000	3/4	4
P120	80	120	25,000	1	4
P170	80	170	35,000	1	7.5
P252	80	250	35,000	1-1/4	7.5
P400	80	380	40,000	1-1/2	8
P700	80	700	50,000	2	8.5
P1000	80	1050	55,000	3	12

Options:

Connections	BSP standard. NPT or Flanged on request
Pump Case Material	PP,PVDF, Aluminium, 316SS, POMc
Diaphragms	Keyflex, Santoprene, PTFE
Balls	EPDM, NBR, PTFE, 316SS
Ball Seats	PVDF, 316SS, PP, UPPE
O-Rings	EPDM, Viton, NBR, PTFE
Hazardous Areas	ATEX Zone 1 Rated Versions

Applications:

Wastewater, chemicals, oils, ink, paint, industrial washing & de-greasing, drum transfer, sand slurries, cleaning products, solvents, lacquers, chemical transfer, sump pump.

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Simple Solutions

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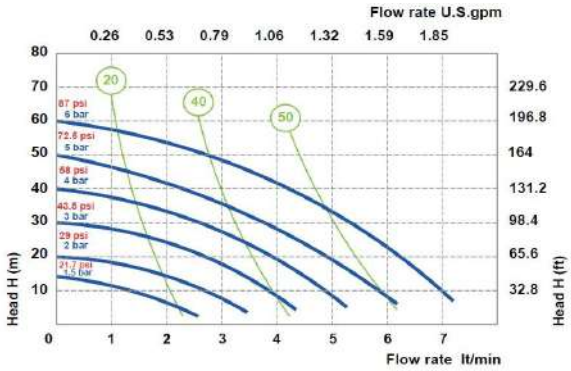
FLUIMAC Flow Curves

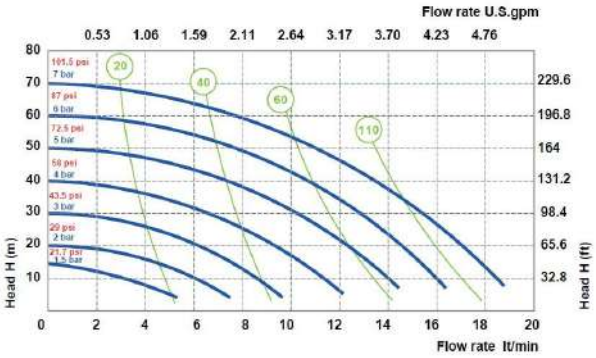
for AODD Pumps

Air supply pressure	Air consumption Nlt/min

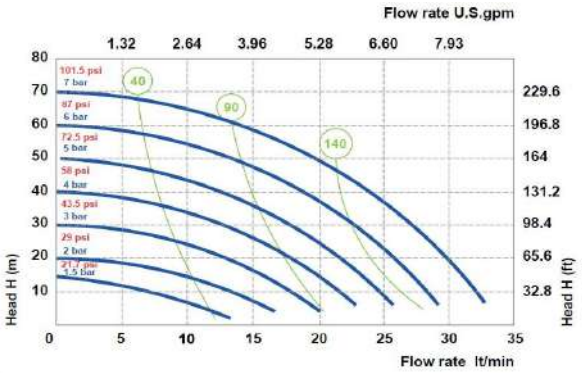
P007 Curve



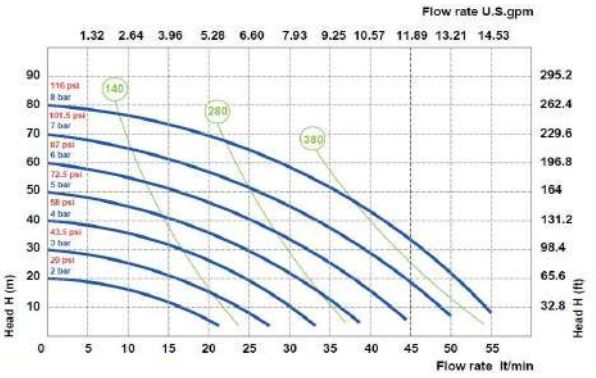
P018 Curve



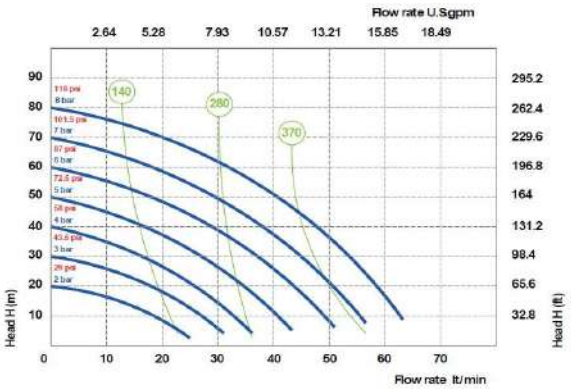
P030 Curve



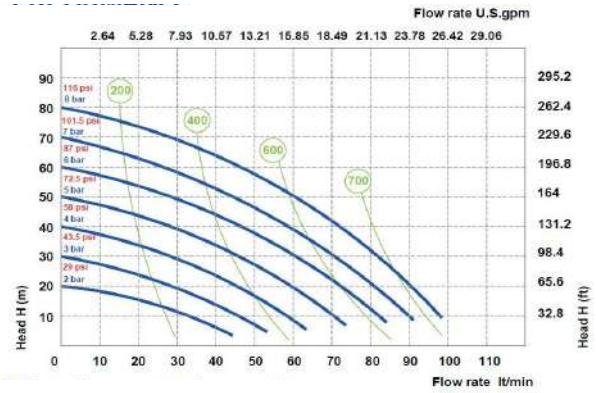
P055 Curve



P060 Curve



P090 Curve



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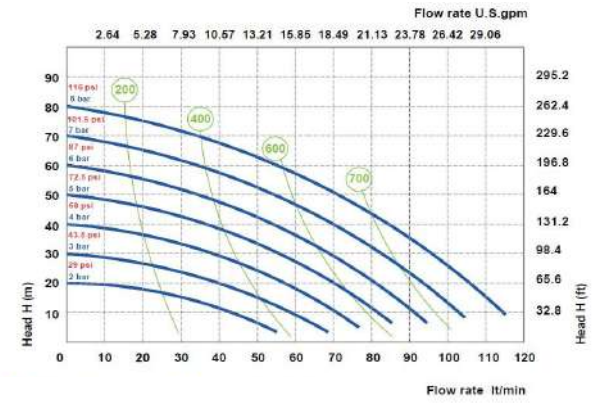
FLUIMAC Flow Curves

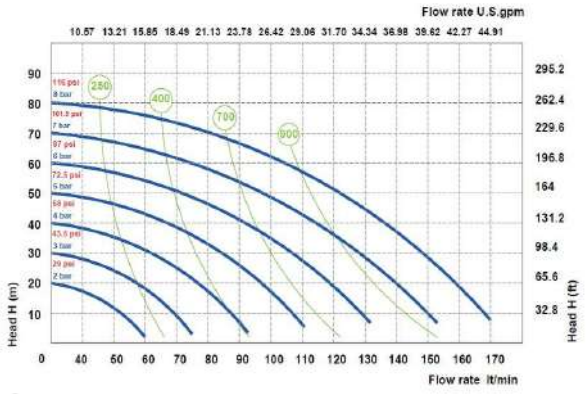
for AODD Pumps

Air supply pressure | Air consumption Nlt/min

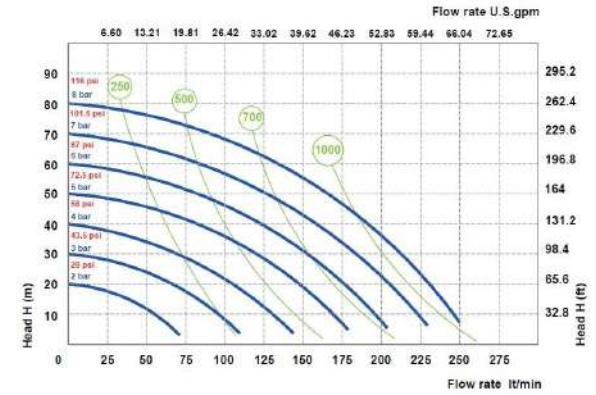
P120 Curve



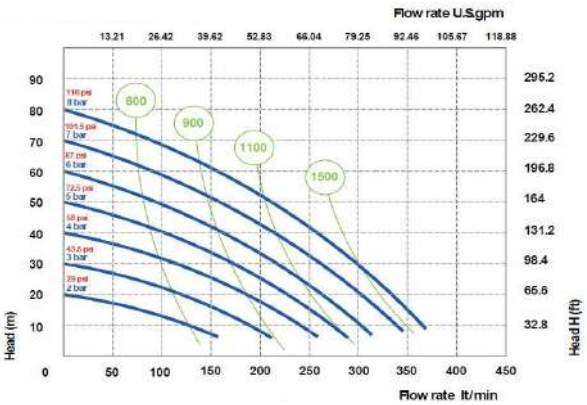
P170 Curve



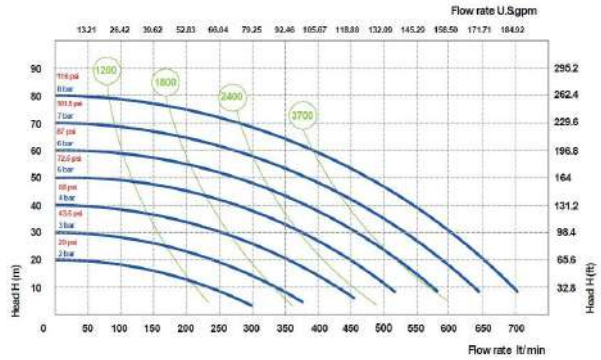
P252 Curve



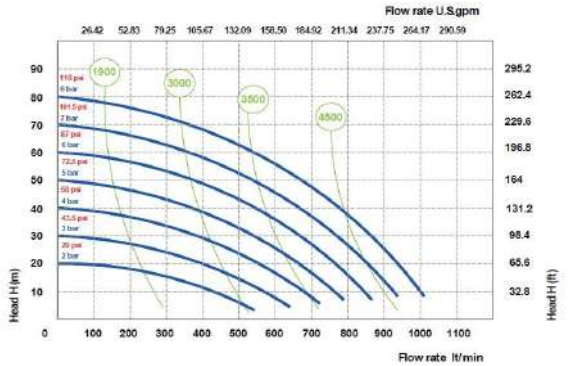
P400 Curve



P700 Curve



P1000 Curve



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Section 10 Measurement & Control

10

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Simple Solutions

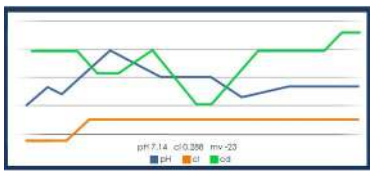
10

EMEC CENTURIO TOWER

Cooling Tower Controller

Standard Features:

- IP65 Easy Mount Enclosure
- 4.3” LCD Colour Touchscreen
- Customise to Measure and Control Conductivity plus 5 Additional Parameters Simultaneously
- In addition, Turbidity and tank levels can be monitored via RS485
- On Screen Graphs and Permanent Data Logging
- Alarms and Log Reporting
- NIMBUS Remote Configuration and Control
- Integrated connectivity via WIFI, LAN, USB and MODBUS
- Software Update Function
- Pre-Bleed before Biocide Dosing
- 5 Year Warranty*



Models:

Model	Function
CENTURIO TOWER BASIC	Ethernet, USB, Modbus, WIFI
CENTURIO TOWER GSM	Remote Control by GPRS (mobile network)

Input Modules:

Parameter	Range
CONDUCTIVITY	0.1µS-100mS, 0.01µS-10mS, 0.001µS-1mS, 1µS-1S, temperature compensation
INDUCTIVE CONDUCTIVITY	Non contact conductivity 0-3,000µS, 0-30,000µS, temperature compensation
pH	0-14 pH, temperature compensation
ORP	-999/+999mV, temperature compensation
CHLORINE	Scale based on probe selected, temperature compensation
TURBIDITY	0-4000NTU
mA INPUT	0-20mA analog input module
TRACERS	0-999.9ppm, temperature compensation
CORROSION	0.001-10 MPY

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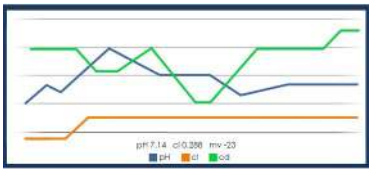
EMEC CENTURIO POOL

Swimming Pool Controller

Standard Features:

- IP65 Easy Mount Enclosure
- 4.3” LCD Colour Touchscreen
- Customise to Measure and Control pH plus 5 Additional Parameters Simultaneously
- In addition, Turbidity and tank levels can be monitored via RS485
- On Screen Graphs and Permanent Data Logging
- Alarms and Log Reporting
- NIMBUS Remote Configuration and Control
- Integrated connectivity via WIFI, LAN, USB and MODBUS
- Shock Chlorination Function
- Software Update Function
- 5 Year Warranty*



Models:

Model	Function
CENTURIO POOL BASIC	Ethernet, USB, Modbus, WIFI
CENTURIO POOL GSM	Remote Control by GPRS (mobile network)

Input Modules:

Parameter	Range
CONDUCTIVITY	0.1µS-100mS, 0.01µS-10mS, 0.001µS-1mS, 1µS-1S
pH	0-14 pH
ORP	-999/+999mV
CHLORINE	Range based on probe selection
CHLORINE DIOXIDE	Range based on probe selection
BROMINE	0-20 ppm
OZONE	Range based on probe selection
HYDROGEN PEROXIDE	0-200 ppm
TURBIDITY	0-4000NTU
mA INPUT	0/4-20mA analog input module
TRACERS	0-999.9 ppm
TEMPERATURE	0-100 degrees C

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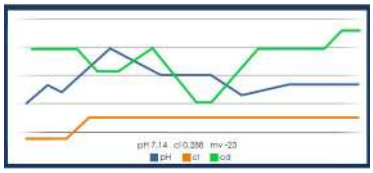
10

EMEC CENTURIO PRO

Multipurpose Controller

Standard Features:

- IP65 Easy Mount Enclosure
- 4.3" LCD Colour Touchscreen
- Customise to Measure and Control 6 Parameters Simultaneously
- In addition, Turbidity and tank levels can be monitored via RS485
- On Screen Graphs and Permanent Data Logging
- Alarms and Log Reporting
- NIMBUS Remote Configuration and Control
- Integrated connectivity via WIFI, LAN, USB and MODBUS
- Software Update Function
- 5 Year Warranty*



Models:

Model	Function
CENTURIO PRO BASIC	Ethernet, USB, Modbus, WIFI
CENTURIO PRO GSM	Remote Control by GPRS (mobile network)

Input Modules:

Parameter	Range
CONDUCTIVITY	0.1µS-100mS, 0.01µS-10mS, 0.001µS-1mS, 1µS-1S
INDUCTIVE CONDUCTIVITY	Non contact Conductivity 0-3,000µS, 0-30,000µS
pH	0-14 pH
ORP	-999/+999mV
CHLORINE	Range based on probe selection
CHLORINE DIOXIDE	Range based on probe selection
BROMINE	0-20 ppm
OZONE	Range based on probe selection
HYDROGEN PEROXIDE	0-200 ppm
PERACETIC ACID	Range based on probe selection
TURBIDITY	0-4000NTU
mA INPUT	0/4-20mA analog input module
TRACERS	0-999.9 ppm
TEMPERATURE	0-100 degrees C
CORROSION	0.100-10 MPY

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EMEC MTOWER

Cooling Tower Controller

Standard Features:

- IP65 Wall Mounted Enclosure
- Easy Control by Encoder Wheel
- Conductivity Measurement
- 2 Biocide Pump Outputs
- 2 Biocide Activator Outputs
- Bleed Valve Control
- Inhibitor Pump Control
- Makeup Flow Meter Input
- Bleed Flow Meter Input
- Standby Input
- Chemical Tank Level Inputs
- Pre-Bleed & Bleed Lockouts
- Temperature Input
- Alarm Output
- Modbus
- 5 Year Warranty*

Models:

Model	Function
MTOWER CD	Cooling Tower Controller with Conductivity Measurement
MTOWER CD/RH	Conductivity Control with Redox Measurement
MTOWER CD/PH	Conductivity Control with pH Measurement
MTOWER CD/CL	Conductivity Control with Chlorine Measurement
MTOWER CD/TRC	Conductivity Control with Tracer Measurement
MTOWER PLUS CD/PH/RH	Conductivity Controller with Redox and pH Measurement
MTOWER PLUS CD/PH/CL	Conductivity Controller with pH and Chlorine Measurement

Options:

mA Signals out for measured values
Data logging to USB device
Remote control by Ethernet (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, email alert
WIFI

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Aqua Products Ltd
Simple Solutions

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EMEC LD PLUS Duplex

Dual Channel Wall Mounted Controller

Standard Features:

- ABS IP65 Wall Mounted Controller
- Two Parameters
- Easy Control by ENCODER Wheel
- Flow Control
- 4-20mA Output Signals
- Internal Storage with System Log
- PT100 Temperature Compensation
- Modbus
- Standby Input
- PID, On/Off, Impulsive Proportional, Proportional PWM or Fixed PWM & PID Control
- Alarm Output
- 5 Year Warranty*

Models:

Model	Function
LDPHRH PLUS	Digital pH meter (from 0-14pH), and redox meter (from 0-1000mV)
LDPHCL PLUS	Digital pH meter (from 0-14pH), and chlorine meter (configurable for bromine, chlorine dioxide, hydrogen peroxide, ozone or peracetic acid)
LDPHCD PLUS	Digital pH meter (from 0-14pH), and conductivity
LDPHCDIND PLUS	Digital pH meter (from 0-14pH), and inductive conductivity
LDPHETORB2 PLUS	Digital pH meter (from 0-14pH), and turbidity
LDPHTRC PLUS	Digital pH meter (from 0-14pH), and tracer
LDPHFL PLUS	Digital pH meter (from 0-14pH), and fluoride

Options:

When ordering you can specify any parameter combination e.g. LDCLETORB2
Data logging to USB device
Remote control by Ethernet (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, email alert
WIFI

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EMEC LD Duplex

Dual Parameter Wall Mounted Controller

Standard Features:

- ABS IP65 Wall Mounted Controller
- Two Parameters
- Easy Control by ENCODER Wheel
- Flow Control
- Internal Storage with System Log
- PT100 Temperature Compensation
- Modbus
- Standby Input
- On/Off, Impulsive Proportional, Proportional PWM or Fixed PWM Control
- Alarm Output
- 5 Year Warranty*

Controller Models:

Model	Function
LDPHRH	Digital pH meter (from 0-14pH), and Redox meter (from 0-1000mV)
LDPHCL	Digital pH meter (from 0-14pH), and chlorine meter (configurable for bromine, chlorine dioxide, hydrogen peroxide, ozone or peracetic acid)
LDPHCD	Digital pH meter (from 0-14pH), and conductivity
LDPHCDIND	Digital pH meter (from 0-14pH), and inductive conductivity
LDPHETORB2	Digital pH meter (from 0-14pH), and turbidity
LDPHTRC	Digital pH meter (from 0-14pH), and tracer
LDPHFL	Digital pH meter (from 0-14pH), and fluoride

Options:

When ordering you can specify any parameter combination e.g. PH+PH
Data logging to USB device
4-20mA signals out for measured value
Remote control by Ethernet (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, email alert
WIFI

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EMEC LD PLUS

Wall Mounted Controller

Standard Features:

- IP65 Wall Mounted Controller
- Easy Control by ENCODER Wheel
- Flow Control
- 4-20mA Output Signal
- Internal Data Storage with System Log
- Temperature Compensation Input
- Modbus
- Stand-By Input
- Alarm Output
- On/Off, Impulsive Proportional, Proportional PWM, Fixed PWM or PID Control
- Probe Cleaning Output
- 5 Output Relays (2 Set Point; Alarm; Probe Cleaning; Circulation)
- 5 Year Warranty*

Models:

Model	Function
LDSPH PLUS	Digital pH meter (0-14 pH)
LDSRH PLUS	Digital Redox (ORP) meter (0-1000mV)
LDSCL PLUS	Digital chlorine meter (Total chlorine, free chlorine, bromine, hydrogen peroxide, ozone, peracetic acid), range depends upon probe selection
LDSCD PLUS	Digital conductivity controller (0-300µS, 0-3000µS,0-30mS, 0-300mS)
LDSCDIND PLUS	Digital controller for inductive conductivity (0-3000µS, 0-30mS, 0-300mS)
LDSETORB2 PLUS	Turbidity controller (0-40 NTU, 0-400 NTU, 0-4000 NTU)
LDSTRC PLUS	Digital tracer controller (0-1000ppm)
LDSFL PLUS	Digital fluoride controller (0-3ppm, 0-1000mV)
LDSDO PLUS	Digital DO controller (0-20mg/l)

Options:

mA Water Meter Input
Data logging to USB device
Remote control by Ethernet
Remote control by internal GSM/GPRS modem, SMS alert, email alert,
WIFI

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EMEC LD

Wall Mounted Controller

Standard Features:

- ABS IP65 Wall Mounted Controller
- Standby Input
- Flow Input
- PT100 Temperature Compensation
- Modbus
- On/Off, Pulse Width Proportional or Proportional Pulse Control
- Probe Cleaning Output
- Dosing Timer
- Data Storage with Internal Logging
- 5 Year Warranty*

Models:

Model	Function
LDSPH	Digital pH meter (0-14 pH)
LDSRH	Digital Redox (ORP) meter (0-1000mV)
LDSCL	Free chlorine/bromine meter, hydrogen peroxide, ozone, peracetic acid. Range based on probe.
LDSCD	Digital conductivity controller (0-300µS, 0-3000µS,0-30mS, 0-300mS)
LDSCDIND	Digital controller for inductive conductivity (0-3000µS, 0-30mS, 0-300mS)
LDSETORB2	Turbidity controller (0-40 NTU, 0-400 NTU, 0-4000 NTU)
LDSDO	Dissolved oxygen controller (0-20mg/l O2)
LDSTRC	Digital tracer controller (0-1000ppm)
LDSFL	Digital fluoride controller (0-3ppm, 0-1000mV)

Options:

Data logging to USB device
4-20mA signals out for measured value
Remote control by Ethernet. (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, Email alert
WIFI

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EMEC LDLOG

Chemical Usage Logging

Standard Features:

- ABS IP65 Wall Mounted
- For Monitoring Chemical Levels and Usage
- Easy Control by ENCODER Wheel
- Internal Storage with System Log
- 5 Year Warranty*

Models:

Model	Function
LDLOG	Data log system for chemical usage, by monitoring chemical pump output.
LDLOG mA	Data logging system for chemical usage, by monitoring tank levels. 4-20mA inputs for four tanks. Records and displays daily, weekly and monthly chemical consumption, plus quantity remaining in tanks.

Options:

Data logging to USB device
Remote control by Ethernet (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, email alert
MODBUS
WIFI

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EMEC LDSPN PLUS

pH Neutralisation Batch Controller

Standard Features:

- Fill, Treat, Discharge
- ABS IP65 Wall Mounted Controller
- Easy Control by Encoder Wheel
- Flow Input
- Inlet Solenoid Valve Control
- Outlet Solenoid Valve Control
- Mixer Control
- 2 Way pH Pump Control
- Internal Data Storage with System Log
- 5 Year Warranty*

Models:

Model	Function
LDSPN PLUS	Digital pH Controller

Options:

Remote control by Ethernet (LAN connection)
Remote control by internal GSM/GPRS modem, SMS alert, Email alert
WIFI

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EMEC BT Modules

Add on Modules for Remote Control

EMEC BT Modules can be added to any LD or WD Series Controller, to provide additional services and functions that are not built in.

Models:

Model	Function
BT CEL	External GSM modem for connection via the mobile network.
BT ETH	Ethernet module for connection via a computer LAN network.
BT USB	To allow logging to a USB memory stick.
BT WIFI	To allow for connection via a WIFI connection.
BT MODBUS	To allow communication between devices using MODBUS.
BT CEL 2IN	External GSM modem for 2 controllers to connect via the mobile network.

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EMEC J Digital

Panel Mounted Controller

Standard Features:

- 96 x 48mm Panel Mounted Measuring Instrument
- Backlit LCD Display
- Two On/Off or PWM Control Relays
- Flow Alarm
- 4-20mA Output for Measured Value
- NTC Temperature Compensation where relevant
- Probes Supplied Separately
- 5 Year Warranty*

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Models:

Model	Function
J PH DIG	Digital pH meter (from 0-14 pH). Automatic temperature compensation.
J RH DIG	Digital Redox (ORP) meter (0-1000 mV).
J CL DIG	Digital Chlorine meter (Total chlorine, free chlorine, hydrogen peroxide, bromine, peracetic acid).
J CD DIG	Digital conductivity control (0-20µS, 0-200µS, 0-2000µS, 0-20mS, 0-200mS), automatic temperature compensation.
J OZONE DIG	Digital Ozone meter (0-1 or 0-10PPM).
J CLO2 DIG	Digital Chlorine Dioxide meter (0-2 or 0-20PPM).
J TEMP DIG	Digital Temperature meter (0-100 degrees C).

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EMEC DIN Digital

Din Rail Mounted Controller

Standard Features:

- Din Rail Mounted Measuring Instrument
- Backlit LCD Display
- Two On/Off or PWM Control Relays
- Flow Alarm
- 4-20mA Output for Measured Value
- NTC Temperature Compensation where relevant
- Probes Supplied Separately
- 5 Year Warranty*

Models:

Model	Function
DIN PH	Digital pH meter (from 0-14 pH). Automatic temperature compensation.
DIN RH	Digital Redox (ORP) meter (0-1000 mV).
DIN CL	Digital Chlorine meter (Total chlorine, free chlorine, hydrogen peroxide, bromine, peracetic acid).
DIN CD	Digital conductivity control (0-20, 0-200, 0-2000µS, 0-20, 0-200mS). Automatic temperature compensation.
DIN OZONE	Digital Ozone Controller (0-1mg/l or 0-10mg/l).
DIN CLO2	Digital Chlorine Dioxide Controller (0-2 or 0-20mg/l).
DIN TEMP	Digital Temperature Controller (0-100 degrees C).

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EMEC JA

Panel Mounted Controller

Standard Features:

- 96x96mm Panel Mount
- Backlit LCD Display
- On/Off, Impulsive Proportional and PID Control
- 2 Setpoints
- Flow Alarm
- Flow Sensor
- Standby Input
- Alarm Output
- PT100 Temperature Compensation
- 4-20mA Output
- MODBUS Serial Communication
- Probes Supplied Separately
- 5 Year Warranty*

Models:

Model	Function
JA PH PRO	Digital pH meter (0-14 pH).
JA RH PRO	Digital Redox (ORP) meter (0-1000 mV).
JA CL PRO	Digital chlorine meter. Depending on probe selection: total chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or peracetic acid.
JA CD PRO	Digital conductivity meter. Auto-ranging. Automatic temperature compensation.
JA CD IND PRO	Digital inductive conductivity control (0-3000µS, 0-300mS). Automatic temperature compensation.

Options:

12VDC, 24VDC, 110VAC, 230VAC, IP54 protection cover

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EMEC POOLBRAVO

Integrated Swimming Pool Controller

Standard Features:

- Turn Key Assembly for Managing Swimming Pools
- Weatherproof Wall Mounting Enclosure
- Integrated V Series Dosing Pumps
- Integrated Swimming Pool Controller
- Window to View Signalling Status and Alarms
- WIFI, 3G Or LAN Internet Options allowing Remote Configuration and Control via NIMBUS
- 5 Year Warranty*

Models:

Model	Function
POOLBRAVO PHCL1	POOL BRAVO with pH and open free chlorine cell, acid and chlorine pump.
POOLBRAVO PHCL2	POOL BRAVO with pH and closed free chlorine cell, acid and chlorine pump.
POOLBRAVO PHCL1 FLOC	POOL BRAVO with pH and open free chlorine cell, acid, chlorine and flocculant pump.
POOLBRAVO PHCL2 FLOC	POOL BRAVO with pH and closed free chlorine cell, acid, chlorine and flocculant pump.
POOLBRAVO PHCL1 ALG	POOL BRAVO with pH and open free chlorine cell, acid, chlorine and algaecide pump.
POOLBRAVO PHCL2 ALG	POOL BRAVO with pH and closed free chlorine cell, acid, chlorine and algaecide pump.

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pH Probes

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pH Probe Model — EPH	
Single junction epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 70ºC. 12mm dia. Minimum conductivity 100µS.	
Applications	Potable water, swimming pools, laboratory use.
EPHS	1 meter cable and BNC connector
EPHM	4.5 meter cable and BNC connector
EPHL	15 meter cable and BNC connector

pH Probe Model — EPH/D	
Double junction epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 70ºC. 12mm dia. Minimum conductivity 100µS.	
Applications	As above plus wastewater, and medias containing proteins, silver or sulphides.
EPHM/D	4.5 meter cable and BNC connector
EPHL/D	15 meter cable and BNC connector

pH Probe Model — EPHMD/100	
Double junction epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 100°C. 12mm dia. Minimum conductivity 100µS.	
Applications	Wastewater e.g. electroplating, and medias containing proteins, silver or sulphides. Suitable for high temperature wastewater applications.
EPHMD/100	4.5 meter cable and BNC connector

pH Probe Model — EPHMD/LI	
Double junction epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 70°C. 12mm dia. Minimum conductivity 3µS.	
Applications	Low Ionic (conductivity) applications.
EPHMD/LI	4.5 meter cable and BNC connector

pH Probe Model — EPHM/HF	
Epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 70°C. 12mm dia. Minimum 100µS.	
Applications	Hydrogen fluoride resistant.
EPHM/HF	4.5 meter cable and BNC connector

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pH Probes

pH Probe Model — EPH SC	
Epoxy shaft pH 0-14 probe . Max. pressure 7 bar at 70ºC. 12mm dia. Minimum 100µS.	
Applications	High solids wastewater, mount in flow path for self cleaning action.
EPHSC	Self cleaning, flat tip. 4.5 meter cable and BNC connector

pH Probe Model — EPH SN6 Range	
Epoxy shaft pH 0-14 probe. Max. pressure 7 bar at 70ºC. 12mm dia. Minimum 100µS.	
Applications	High solids wastewater, mount in flow path for self cleaning action.
EPHSN6	PG13.5 mounting thread and SN6 connector
EPHM/D/SN6	Double junction. PG13.5 mounting thread and SN6 connector
EPHSC/SN6	Self cleaning, flat tip. PG13.5 mounting thread and SN6 connector

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Accessories for ORP & pH Probe Installations	
CASN6S	BNC/SN6 cable for ERHSN6 probe, 5m
CASN6M	BNC/SN6 cable for ERHSN6 probe, 10m
CASN6L	BNC/SN6 cable for ERHSN6 probe, 15m
GHIERA	PG13.5 threading nut for ORP probes, with O-ring

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Redox (ORP) Probes

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Redox Probe Model — ERH	
Single junction epoxy shaft Redox probe. Max. pressure 7 bar at 70ºC. 12mm dia. 100µS minimum.	
Applications	Potable water, swimming pools, laboratory use.
ERHS	With 1 meter cable and BNC connector
ERHM	With 4.5 meter cable and BNC connector
ERHL	With 15 meter cable and BNC connector

Redox Probe Model — ERH/D	
Double junction epoxy shaft Redox probe. Max. pressure 7 bar at 70ºC. 12mm dia. 100µS minimum.	
Applications	As above plus low solids wastewater and medias containing proteins, silver or sulphides.
ERHM/D	With 4.5 meter cable and BNC connector
ERHL/D	With 15 meter cable and BNC connector

Redox Probe Model — ERHMD/100	
Double junction epoxy shaft Redox probe. Max. pressure 7 bar at 100ºC. 12mm dia. 100µS minimum.	
Applications	As above plus low solids wastewater eg: electroplating, medias containing proteins, silver or sulphides. Suitable for high temperature wastewater applications.
ERHMD/100	With 4.5 meter cable and BNC connector

Redox Probe Model — ERH SC	
Epoxy shaft Redox probe with flat end and self cleaning action. Max. pressure 7 bar at 70ºC. 12mm dia. Minimum 100µS.	
Applications	High solids wastewater, mount in flow path for self-cleaning action.
ERHSC	With 4.5 meter cable and BNC connector

Redox Probe Model — ERH SN6 Range	
Epoxy shaft Redox probe. Max. pressure 7 bar at 70ºC. 12mm dia. Minimum 100µS. PG13.5 mounting thread and SN6 connector.	
Applications	Potable water, swimming pools, laboratory use, wastewater.
ERHSN6	With PG13.5 mounting thread and SN6 connector
ERHSC/SN6	Self Cleaning double junction version for wastewater
ERHHLB/SN6	For Low chlorine and pure water applications, glass shaft

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Chlorine Dioxide, Chlorine Probes

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Chlorine Dioxide Probe Model — SCL2	
Closed Amperometric Cell for Chlorine Dioxide measurement. Max. pressure 1 bar, max. temperature 40ºC. Automatic temperature compensation.	
Applications	Potable water, swimming pools, breweries, food processing.
SCL2/0.5	Range: 0-0.5mg/l
SCL2/2	Range: 0-2mg/l
SCL2/20	Range: 0-20mg/l

Chlorine Probe Model — SCL3	
Closed Amperometric Chlorine Cell with pH compensation. Max. pressure 1 bar, max. temperature 40ºC. Automatic temperature compensation.	
Applications	Drinking water, swimming pools, laboratory use, industrial process water
SCL3S/20	Range: 0-20mg/l Free Chlorine (organic and inorganic) for freshwater
SCL3N/0.5	Range: 0-0.5mg/l Free Chlorine (inorganic) for freshwater
SCL3N/2	Range: 0-2 mg/l Free Chlorine (inorganic) for freshwater
SCL3N/20	Range: 0-20mg/l Free Chlorine (inorganic) for freshwater

Free Chlorine Probe Model — ECL6	
Open Amperometric Free Chlorine Cell (organic and inorganic). Integral Flow rate control. Includes 2 x electrode holders for pH, Redox or temperature probe. With flow switch model SEPR. Up to 5 Bar at 40°C.	
Applications	Potable water, swimming pools, laboratory use.
ECL6	Range: 0-10mg/l
ECL6/E	Budget version without additional electrode holders

Free Chlorine Probe Model — ECL7	
Open Amperometric Free Chlorine Cell as ECL6, but manufactured to hold PG13.5 mounting versions of pH, Redox and temperature probes. Up to 5 Bar at 40°C.	
Applications	Potable water, swimming pools, laboratory use.
ECL7	Range: 0-10mg/l

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Chlorine, Hydrogen Peroxide, Ozone & Peracetic Acid Probes

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Total Chlorine Probe Model — SCL8	
Amperometric Total Chlorine Cell (organic and inorganic). Max. pressure 1 bar, max. temperature 40ºC. Automatic temperature compensation.	
Applications	Potable water, swimming pools, laboratory use.
SCL8/2	Range: 0-2 mg/l
SCL8/20	Range: 0-20 mg/l

Hydrogen Peroxide Probe Model — SCL9	
Hydrogen Peroxide probe, max. temperature 40ºC.	
Applications	Potable water, industrial processes, laboratory use.
SCL9/200	Ranges: 0-200 mg/l

Ozone Probe Model — SCL10	
Ozone Cell , Max. pressure 1bar, max. temperature 40ºC. Temperature compensated.	
Applications	Potable water, swimming pools, industrial processes, salt water.
SCL10/2	Range: 0-2 mg/l
SCL10/20	Range: 0-20 mg/l

Peracetic Acid Probe Model — SCL11	
Amperometric Peracetic Acid Cell. Max. pressure 1 bar, max. temperature 40ºC. Automatic temperature compensation.	
Applications	CIP systems.
SCL 11/200	Range: 0-200 mg/l
SCL 11/2000	Range: 0-2000 mg/l

Chlorine Probe Model — ECL12	
Amperometric Free Chlorine Cell for salt water applications as ECL6, manufactured to hold pH, Redox and temperature probes.	
Applications	Salt water swimming pools.
ECL12	Range: 0-10mg/l
ECL12/E	Option - no additional probe mounting

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Chlorine, Chlorine Dioxide, Bromine, Chlorites & Potentiostatic Probes

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Free Chlorine Probe Model — SCL18 : High Pressure	
Closed Amperometric Free Chlorine Cell (inorganic) for use with Sodium Hypochlorite, Calcium Hypochlorite and chlorine gas applications. Max. pressure 8 bar, 5 -70ºC. Automatic temperature compensation. Self-cleaning.	
Applications	Potable water, industrial processes.
SCL18/0.5	Range: 0-0.5mg/l
SCL18/2	Range: 0-2 mg/l
SCL18/20	Range: 0-20 mg/l

Chlorine Dioxide Probe Model — SCL17 : High Pressure	
Closed Amperometric cell for Chlorine Dioxide measurement. Max. pressure 8 bar, 5 -70ºC. Automatic temperature compensation. Self cleaning.	
Applications	Potable water, industrial processes.
SCL17/0.5	Range : 0-0.5mg/l
SCL17/2	Range: 0-2 mg/l
SCL17/20	Range: 0-20 mg/l

Bromine Probe Model — SBR/20	
Closed Amperometric cell for Bromine measurement. Automatic temperature compensation. Max. pressure 0.5bar, max. temperature 40ºC.	
Applications	Potable water, industrial processes.
SBR/20	Range: 0-20 mg/l

Chlorite Probe Model — SCT/2	
Closed Amperometric cell for Chlorites measurement. Automatic temperature compensation. Max. pressure 1bar, max. temperature 40ºC.	
Applications	Potable water, industrial processes.
SCT/2	Range: 0-2 mg/l

Potentiostatic Probe Model — EPS	
Probe for measurement of Chlorine, Chlorine Dioxide, Ozone. -5 to 70ºC, 16bar at 20.ºC	
Applications	Potable water, industrial processes, wastewater.
EPS	Range: 0-5 mg/l

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Chlorine Probe Spare Parts

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Electrolyte for Amperometric Probes	
Solution for Refilling new S Series Amperometric Probes.	
ELESCL2	Electrolyte for SCL2
ELESCL	Electrolyte for SCL3S and ELECL8
ELESCL3N	Electrolyte for SCL3N
ELESCL9	Electrolyte for SCL9
ELESCL10	Electrolyte for SCL10
ELESCL11	Electrolyte for SCL11
ELESCL17	Electrolyte for SCL17
ELESCL18	Electrolyte for SCL18
ELESBR	Electrolyte for SBR
ELESCT	Electrolyte for SCT

Replacement Membrane Caps	
Replacement Membrane Caps for S Series Amperometric Probes.	
MESCL2	Spare membrane cap for SCL2 & SCL10
MESCL	Spare membrane cap for SCL3S and SCL8
MESCL3N	Spare membrane cap for SCL3N & SBR
MESCL9	Spare membrane cap for SCL9
MESCL11	Spare membrane cap for SCL11
MESCT	Spare membrane cap for SCT

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Chlorine Probe Spare Parts

Electrolyte for Amperometric Probes	
Solution for Refilling old E Series Amperometric Probes.	
ELECL1	Electrolyte for ECL1
ELECL2	Electrolyte for ECL2
ELECL3N	Electrolyte for ECL3
ELECL3S	Electrolyte for ECL3S
ELECL17	Electrolyte for ECL17

Replacement Membrane Caps for E Series Probes	
Replacement Membrane Caps for old E Series Amperometric Probes.	
MECL1-2	Membrane cap for ECL1 and ECL2
MECL3	Membrane cap for ECL3

Replacement Electrodes	
Replacement Electrodes for Open Amperometric Chlorine Cells.	
ELE/PR	Platinum & Copper electrodes for cell ECL6/7
ELE12	Platinum & Silver electrodes for cell ECL12
ELE/P	Platinum electrode for ECL20 and ECL21
ELE/A	Silver electrode for ECL21
ELE/R	Copper electrode for ECL20
BIG2	Glass balls for ECL6/7/20/21 cells

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Conductivity Probes

PVDF & Graphite

Conductivity Probe Model — ECDC	
Conductivity probe with Graphite electrodes, PVDF body, 3/4 inch BSP thread, 4m cable, BNC plug, maximum pressure 7 bar at 60ºC.	
ECDC/1	K=1, maximum 20mS
ECDC/10	K=10, maximum 200mS
Options	Longer lead on request. 1/2” on request.

Conductivity Probe Model — ECDCC	
Conductivity probe with Graphite electrodes, PVDF body, 3/4 inch BSP thread, 4m cable, BNC plug, maximum pressure 7 bar at 60ºC, temperature compensation.	
ECDCC/1	K=1, maximum 20mS, NTC10k temp sensor
ECDCCPT/1	K=1, maximum 20mS, PT100 temp sensor
ECDCC/10	K=10, maximum 200mS, NTC10k temp sensor
ECDCCPT/10	K=10, maximum 200mS, PT100 temp sensor
Options	Longer lead on request. 1/2” on request.

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Conductivity Probe Model — ECDC IM	
Conductivity probe, immersion style with Graphite electrodes, PVDF body, 1/2 inch BSP thread, 4m cable, BNC plug, maximum pressure 7 bar at 60ºC.	
ECDCIM/1	K=1, maximum 20mS
ECDCCIM/1	K=1, 0-20mS, NTC10k
ECDCCIMPT/1	K=1, 0-20mS, PT100
ECDCIM/10	K=10, 0-200mS
ECDCCIM/10	K=10, 0-200mS, NTC10
ECDCCIMPT/10	K=10, 0-200mS, PT100
Options	Temperature compensation. Longer lead on request. 1/2 inch on request.

Conductivity Probe Model — ECDC20	
Conductivity probe, old type, for through wall installation, PVDF body, Graphite electrodes, 4m cable, BNC plug.	
ECDC20	K=1, maximum 20mS, threaded with lock nut for through tank mounting
Options	Longer lead on request.

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Conductivity Probes

PVDF & Stainless Steel

Conductivity Probe Model — ECDI	
Conductivity probe with Stainless Steel electrodes, PVDF body, 3/4 inch BSP thread, 4m cable, BNC plug, maximum pressure 7 bar at 60ºC. 100°C at 2 Bar.	
ECDI/1	Range: 0-5mS
ECDI/01	Range: 0- 200µS
Options	Longer cable on request.

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Conductivity Probe Model — ECDIC	
Conductivity probe with Stainless Steel electrodes, PVDF body, 3/4 inch BSP thread, 4m cable, maximum pressure 7 bar at 60ºC. 100°C at 2 Bar, temperature compensation.	
ECDIC/1	Range: 0-5mS, NTC 10k temp sensor
ECDICPT/1	Range: 0-5mS, PT100 temp sensor
ECDIC/01	Range: 0- 200µS NTC 10k sensor
ECDICPT/01	Range: 0- 200µS PT 100 temp sensor
Options	Longer cable on request.

Conductivity Probe Model — ECDI IM	
Conductivity probe immersion style with Stainless Steel electrodes, PVDF body, 3/4 inch or 1/2 inch BSP thread, 4m cable, maximum pressure 7bar at 60ºC. 100°C at 2Bar.	
ECDIIM/1	Range: 0-5mS
ECDIIM/01	Range: 0- 200µS
ECDICIM/1	Range: 0- 5mS, temperature compensation (NTC 10k)
ECDICIM/01	Range: 0- 200µS, temperature compensation (NTC 10k)
ECDICPTIM/1	Range: 0- 5mS, temperature compensation (PT100)
ECDICPTIM/01	Range: 0- 200µS, temperature compensation (PT100)
Options	High temperature version, longer cable on request.

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Conductivity Probes

Stainless Steel

Conductivity Probe Model — EICDC : Stainless Body	
Conductivity probe with Stainless Steel electrodes, 3/4 inch BSP thread, 4m cable, maximum pressure 15 bar at 130ºC, NTC 10k temperature compensation.	
EICDC/1	Maximum 20mS
EICDC/01	Maximum 200µS
EICDC/001	Maximum 20µS
Options	Longer cable on request.

Conductivity Probe Model — EICDCPT : Stainless Body	
Conductivity probe with Stainless Steel electrodes, 3/4 inch BSP thread, 4m cable, maximum pressure 15 bar at 130ºC, PT100 temperature compensation.	
EICDCPT/1	Maximum 20mS
EICDCPT/01	Maximum 200µS
EICDCPT/001	Maximum 20µS
Options	Longer cable on request.

Conductivity Probe Model — EICDHPT : Stainless Body	
High temperature range conductivity probe with Stainless Steel electrodes, SS body, 3/4 inch BSP thread, 4m cable, BNC plug, maximum pressure 15 bar at 200ºC, PT100 temperature compensation.	
EICDHPT/1	Maximum 20mS
EICDHPT/01	Maximum 200µS
EICDHPT/001	Maximum 20µS
Options	Longer cable on request.

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High Linearity Conductivity Probes

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Conductivity Probe Model — ECDHL	
Conductivity probe with platinum electrode, 12mm dia, 4.5m cable, maximum pressure 7 bar at 70ºC.	
ECDHL/01	K=0.1, maximum conductivity 200µS
ECDHL/1	K=1, maximum conductivity 20mS
ECDHL/10	K=10, maximum conductivity 200mS

Conductivity Probe Model — ECDHLC	
High linearity conductivity probe with platinum electrode, 4.5m cable, maximum pressure 7 bar at 70ºC , NTC10k temperature compensation.	
ECDHLC/01	K=0.1, maximum conductivity 200µS
ECDHLC/1	K=1, maximum conductivity 20mS
ECDHLC/10	K=10, maximum conductivity 200mS

Conductivity Probe Model — ECDHLCPT	
High linearity conductivity probe with platinum electrode, 4.5m cable, maximum pressure 7 bar at 70ºC , PT100 temperature compensation.	
ECDHLCPT/01	K=0.1, maximum conductivity 200µS
ECDHLCPT/1	K=1, maximum conductivity 20mS
ECDHLCPT/10	K=10, maximum conductivity 200mS

Inductive Conductivity Probe Model — ECD INDPT	
All plastic construction, no metallic or conductive materials in contact with fluid, with PT100 temperature compensation, max pressure 8 bar, maximum temperature 85°C.	
ECDINDPT	Range 0-3mS, 0-30mS, 0-300mS
ECDSINDPT	0-30mS (compact probe)

An enormous range of conductivity probes are available. There are too many to list.
Please enquire for assistance to choose a probe to suit your process.

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Miscellaneous Probes

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Temperature Probe Model — ETEP CH18	
High linearity temperature probe with PVDF body, 1/2 inch thread 0-100ºC, 10 Bar, 1mV=0.1ºC. 4m cable.	
ETEPCH18	NTC10kohm sensor, ECL6 or PEF Holder
ETEPCH18/L	NTC 10kohm sensor, NPED PEF22 or PEF23 Holder
ETEPTCH18	PT100 sensor, ECL6 or PEF Holder
ETEPTCH18/L	PT100 sensor, ECL6 or NPED or PEF22 or PEF23 Holder

Turbidity Sensor Model — ETORB40	
Off line Turbidity Sensor, max flow 40 lph, maximum pressure 0.5 bar.	
Applications	Swimming pools, potable water systems.
ETORB40	0-40 NTU

Turbidity Probe Model — ETORB2	
Turbidity probe with self cleaning function (by water injection), maximum pressure 2 bar at 40°C, internal temperature compensation, 5m cable.	
ETORB2	0-4000 NTU
ETORB2-IM	0-4000 NTU, 10m cable

Dissolved Oxygen Probe Model — EOLUM	
Dissolved Oxygen probe with fluorescence membrane, maximum pressure 10 bar, -5-50°C, temperature compensation (PT100), 15m cable.	
EOLUM	0-20 mg/l O_2

Fluoride Probe Model — EFL	
Ion selective probe (ISE) for Fluoride (F-), maximum pressure 1 bar, 0-60°C, pH range 5-7, 1m cable.	
EFL	0-3 PPM

Tracer Probe Model — ETRC	
Tracer probe, PVC body, 4-20mA output, 0-50°C, 7 Bar, 0.8m cable.	
ETRC	Dynamic range 0-300 ppb

Corrosion Probe Model — ECORR	
Corrosion probe, SS body, RS485 output, 0-50°C, 7 Bar.	
ECORR	Range 0.001-10MPY

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Probe Holders

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In-Line Probe Holder	
For insertion into threaded connection in pipe work.	
PEA/CH28	For 12mm epoxy shaft electrodes 1/2 inch BSP thread, suitable for max 90°C at 7bar or 130°C at 3bar, PVDF, short.
PEA/SN6	For 12mm epoxy shaft electrodes with PG13.5 mounting. 1/2 inch BSP thread , suitable for max 90°C 7bar, PVDF, short.
PEL	For 12mm epoxy shaft electrodes. 1/2inch BSP thread, PVDF, long.
PEL/SN6	For 12mm epoxy shaft electrodes with PG13.5 mounting. 1/2 inch BSP probes with PG13.5 mounting thread.
PEB	For 12mm epoxy shaft electrodes 3/4 inch BSP thread, suitable for max. 40°C at 7bar, polypropylene, short.
PEL-E	For ETORBH or EOLUM probe, PVC.
PEL-IND *Options:*	For ECDINDPT probe, max 40°C, 7bar, PVDF. *PEL-IND 40, 50mm (T connection)* *PEL-IND 63, 75, 90, 110, 125, 160 mm (saddle connection)*
PEL-INDC	For ECDINDPT probe, max 80°C, 7bar, CPVC.
PEL-IND-SS	For ECDINDPT probe, max 80°C, 7bar, SS.
PELS-IND	For ECDSINDPT probe, max 40°C, 7bar, PVC.

Immersion Probe Holder — PVC 1m Long	
PEC	For 1 electrode 12mm dia. (eg type EPH), max 80°C, PP.
PEC/SN6	For 1 electrode with PG13.5 mounting thread, max 80°C, PP.
PEC/IM	For 1 conductivity electrode 3/4 inch thread, max 80°C, PP.
PECAP/SN6	As PEC/SN6 with compressed air or water self cleaning system, max 40°C, PP/PVC.
PEC2	For 2 x 12mm PG13.5 electrodes, max 40°C, PVC.
PECAP2	With compressed air or water self cleaning, max 40°C, PVC.
PECAP-E	For EOLUM self cleaning system, max 40°C, PVC.
PEC-E	For EOLUM, max 80°C, PP.
PEC-IND	For ECDINDPT, max 40°C, PVC.
PEC-E2	For ETORB2, max 40°C, PVC.
108.6173.1	PVC fixing flange for PEC/PECIM, 100mm.
108.2205.1	PVC fixing flange for PEC-E or PECAP, 100mm.
108.2231.1	PP fixing flange for PEC-IND.

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Off-Line Probe Housings

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Off-Line Probe Housing Model — NPED	
Off-line probe housing, maximum pressure 5 bar, maximum temperature 40ºC. Fittings - 6x8mm.	
NPED1	For 2 x probes with PG13.5 mounting thread
NPED2	For 2 x 12mm diameter probes. e.g. type EPHM/D
NPED3	For 2 x 12mm diameter probes plus 1x 3/4 inch BSP probe
NPED4	For 2 x 12mm probes, with integral flow sensor
NPED4/2F	For 2 x 12 mm epoxy probes with 2 wires for sensor
NPED4-1/2	As NPED3, with integral flow sensor plus 1/2 inch thread
NPED5	For 2 x probes plus 1/2 inch electrode
NPED-E2	For ETORB2
NPED-E	For EOLUM probe
NPED-IND	For ECDINDPT inductive conductivity probe
NPED-IND-PVDF	For ECDINDPT inductive conductivity probe PVDF
NPED-INDS	For ECDINDSPT inductive conductivity probe
NPED4-INDS	For ECDINDSPT inductive conductivity probe with integral flow sensor

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Off-Line Probe Housings

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Off-Line Probe Housing Model — PEF For Closed Amperometric Cells	
Off-line probe housing to suit closed type chlorine probe. Maximum pressure 5 bar, maximum temperature 50ºC. PMMA body with 6x8 PVDF fittings and 4m PE hose.	
PEF1R	For 2 x 12mm diameter probes, 1 temperature probe and 1 x chlorine probe e.g. type SCL, with SEPR flow switch.
PEF1R/E	For 1 x chlorine probe e.g. type SCL, and 1 temperature probe with SEPR flow switch.
PEF5R	For 2 probes with PG13 mounting threads, 1 temperature probe and 1 x chlorine probe e.g. type SCL, with SEPR flow switch.
PEF2	For 2 x 12mm diameter probes and 1 temperature probe, with SEPR flow switch.
PEF3	For 2 x probes with PG13 mounting threads and 1 temperature probe, with SEPR flow switch.
PEF22R	For 2 x 12mm diameter probes, 1 temperature probe and 2 chlorine probes e.g. type SCL, with SEPR flow switch.
PEF23R	For 2 x 12mm diameter probes, 1 temperature probe and 1 chlorine probe e.g. type SCL and 1 conductivity probe 3/4 inch thread, with SEPR flow switch.
PEF24R	For 1 fluoride electrode with flow switch.
PEF26R	For 1 chlorine probe e.g. type SCL and 1 fluoride probe with flow switch.
PEF27R	For 1 chlorine probe e.g. type SCL and 1 conductivity probe 3/4 inch thread with flow switch.
Options	Integral anti-siphon valve, high temperature option. Alternative tube materials on request.

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Cooling Tower Accessories

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Multi Function Probe Holder	
MANIFOLD/E/3	Probe holder for 3/4 inch conductivity probe, with flow sensor and sample port. 3/4 inch water inlet. PMMA.
MANIFOLD/E/1	Probe holder for 3/4 inch conductivity probe, with flow sensor and sample port. 1 inch water inlet. PMMA.
MANIFOLD/3	Probe holder for conductivity probe, with flow sensor, sample port and two injection points. 3/4 inch water inlet. PMMA.
MANIFOLD/1	Probe holder for conductivity probe, with flow sensor, sample port and two injection points. 1 inch water inlet. PMMA.
MANIFOLD PLUS/3	Probe holder for conductivity probe plus 2 x 12mm dia. probes, with flow sensor and sample port. 3/4 inch water inlet. PMMA.
MANIFOLD PLUS/1	Probe holder for conductivity probe plus 2 x 12mm dia. probes, with flow sensor and sample port. 1 inch water inlet. PMMA.
MAPLTR	Probe holder for tracer probe plus 2 x 12 mm dia. electrodes with flow sensor PVC.
MAPLTRE	Probe holder for tracer probe and ECDCC plus 2 x 12mm dia. electrodes PVC.

Manifold Flow Sensor Spares	
SF/BNC	Manifold flow sensor with BNC connection.
SEPR	Manifold inductive flow sensor for probe housing and open amperometric cells.

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NIMBUS

Remote Monitor and Manage

YOUR SCADA or BMS

Modbus

MODBUS

ALARMS

GPRS

LAN

WIFI

CONTROL

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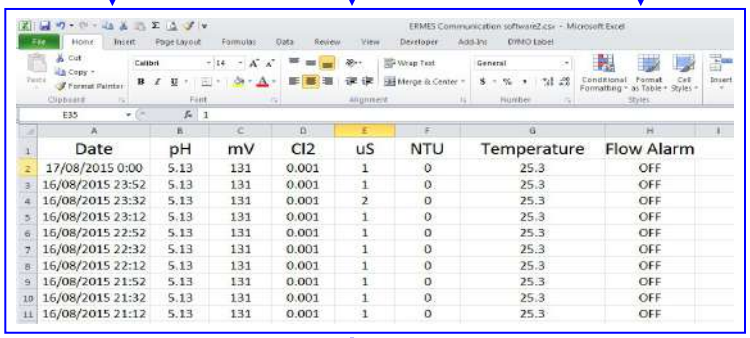

Date	pH	mV	Cl2	uS	NTU	Temperature	Flow Alarm
17/08/2015 0:00	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 23:52	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 23:32	5.13	131	0.001	2	0	25.3	OFF
16/08/2015 23:12	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 22:52	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 22:32	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 22:12	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 21:52	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 21:32	5.13	131	0.001	1	0	25.3	OFF
16/08/2015 21:12	5.13	131	0.001	1	0	25.3	OFF

PROBES
pH
ORP
Chlorine
Chlorine Dioxide
Peracetic Acid
Ozone
Hydrogen Peroxide
Turbidity
Tracers
Flow
Tank Level

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NIMBUS

- Display
- Control
- Log
- Alarm

NIMBUS Cloud based Monitoring and Control is a free service supplied and maintained by EMEC

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Section 11 Chlorine Dioxide Generators

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Simple Solutions

11

LOTUS EASY

Chlorine Dioxide Generator

Standard Features:

- Economical Option for Producing & Dosing Chlorine Dioxide Proportional to Flow
- Sodium Chlorite / Hydrochloric Acid Method
- Instantaneous CLO2 Production
- Flow Control Input
- Tank Level Alarms
- Water Meter Input
- Standby Input
- Service Reminder
- 2 Year Warranty*

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Models:

Model	Pressure Bar	Capacity g/h
LOTUS EASY 8	8	8
LOTUS EASY 20	8	20
LOTUS EASY 40	8	40
LOTUS EASY 80	8	80

Applications Include:

Food and beverage manufacturing, bottle washing, potable water, process water, produce washing, cooling towers and swimming pools.

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LOTUS MINI

Chlorine Dioxide Generator

Standard Features:

- Sodium Chlorite / Hydrochloric Acid Method
- Instantaneous CLO_2 Production
- Water Injection to Limit the Concentration Strength Leaving the Reaction Vessel
- Dosing Proportional to Flow or Remote Controlled
- Flow Control Input
- Tank Level Alarms
- Water Meter Input
- Standby Input
- Internal Data Logging
- 4-20mA Output
- Service Reminder
- Colour Coded Pumps and Suction Lances
- 2 Year Warranty*

Models:

Model	Pressure Bar	Capacity g/h
LOTUS MINI 8	8	8
LOTUS MINI 20	8	20

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Versions:

	Standard version
ERH	Built-in redox measurement
SVCL2	Built-in chlorine dioxide measurement
SVCL17	Built-in chlorine dioxide measurement (high pressure or high temperature)

Options:

Ethernet connection, GPRS option, Data logging to USB, remote control via the NIMBUS Web Server, MODBUS, WIFI. GAS detector option.

Applications Include:

Food and beverage manufacturing, bottle washing, potable water, process water, produce washing, cooling towers and swimming pools.

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LOTUS MAXI

Chlorine Dioxide Generator

Standard Features:

- Sodium Chlorite/Hydrochloric Acid Method
- Instantaneous CLO_2 Production
- Dosing Proportional to Flow or Residual Set-Point
- Flow Control Input
- Tank Level Alarms
- Water Meter Input
- Standby Input
- Internal Data Logging
- 4-20mA Output
- Service Reminder
- Colour Coded Pumps and Suction Lances
- 2 Year Warranty*

Models:

Model	Pressure Bar	Capacity g/h
LOTUS MAXI 80	8	80
LOTUS MAXI 160	8	160
LOTUS MAXI 240	8	240
LOTUS MAXI 400	8	400
LOTUS MAXI 600	5	600
LOTUS MAXI 1000	4	1000

Versions:

	Standard version
ERH	Built-in redox measurement
SVCL2	Built-in chlorine dioxide measurement
SVCL17	Built-in chlorine dioxide measurement (high pressure or high temperature)

Options:

Ethernet connection, GPRS option, data logging to USB, remote control via the NIMBUS Web Server, MODBUS, WIFI, GAS detector option.

Applications Include:

Food and beverage manufacturing, bottle washing, potable water, process water, produce washing, cooling towers and swimming pools.

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LOTUS ULTRA

Chlorine Dioxide Generator

Standard Features:

- Sodium Chlorite/Hydrochloric Acid Method
- Instantaneous CLO_2 Production
- Dosing Proportional to Flow or Residual Set-Point
- Flow Control Input
- Tank Level Alarms
- Real Time Production Data
- Pump and Flow sensor Monitoring
- Water Meter Input
- Standby Input
- Internal Data Logging
- 4-20mA Output
- Service Reminder
- Colour Coded Pumps
- 2 Year Warranty*

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NIMBUS

Modbus

Models:

Model	Pressure Bar	Capacity g/h
LOTUS ULTRA 1	5	1000
LOTUS ULTRA 2	5	2000
LOTUS ULTRA 3	5	3000
LOTUS ULTRA 4	5	4000

Versions:

	Standard version
ERH	Built-in redox measurement
SVCL2	Built-in chlorine dioxide measurement
SVCL17	Built-in chlorine dioxide measurement (high pressure or high temperature)

Options:

Ethernet connection, GPRS option, data logging to USB, remote control via the NIMBUS Web Server, MODBUS, WIFI, GAS detector option.

Applications Include:

Food and beverage manufacturing, bottle washing, potable water, process water, produce washing, cooling towers and swimming pools.

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LOTUS AIR

Chlorine Dioxide Generator

Standard Features:

- Sodium Chlorite/Hydrochloric Acid Method
- Batch Chlorine Dioxide Production
- CLO_2 Manufactured and Stored at Atmospheric Pressure
- Flow Control Input
- Tank Level Alarms
- Water Meter Input
- Standby Input
- Service Reminder
- 2 Year Warranty*

Models:

Model	Pressure Bar	Capacity g/h
LOTUS AIR 10	8	10
LOTUS AIR 30	8	30
LOTUS AIR 60	8	60

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NIMBUS

Modbus

Versions:

	Standard version
ERH	Built-in redox measurement
SVCL2	Built-in chlorine dioxide measurement
SVCL17	Built-in chlorine dioxide measurement (high pressure or high temperature)

Options:

Ethernet connection, GPRS option, data logging to USB, remote control via the NIMBUS Web Server, MODBUS, WIFI. GAS detector option.

Applications Include:

Food and beverage manufacturing, bottle washing, potable water, process water, produce washing, cooling towers and swimming pools.

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Section 12 Water Softeners

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DELTA HYDROSOFT 100M

Water Softener

Standard Features:

- Ultra Compact
- Easy to Install
- Easy to Use
- No Power Required
- No Assembly Required
- No Programming Required
- Automatic Demand Based Regeneration
- Uses Less Water
- Uses Less Salt
- Bypass Valve
- 2 Year Warranty*

DELTA WATER ENGINEERING
HYDRO HOME

The amazing **DELTA HYDROSOFT 100M** water softener sets a new standard for efficiency and performance.
It outperforms traditional water softeners, and yet it is small enough to fit under a sink bench.
The softener sits inside the brine tank for a compact tidy finish.
Regenerating automatically as required, the **DELTA HYDROSOFT 100M** regenerates in just 15 minutes, using only 18L of water and 0.3kgs of salt.

Models:

Model	Flow Rate lph	Connections inch	Capacity ppm/m3	Operating Range PPM
DHSO100M	1500	3/4	150	150 - 600

Dimensions:

240mm (W) x 540mm (L) x 483mm (H)

Applications:

Domestic homes, cafés, commercial kitchens, dishwashers, dispensing machines, humidifiers, reverse osmosis pre-treatment, package boilers and cooling tower feed.

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DELTA HYDROSOFT 200M DUPLEX

Water Softener

Standard Features:

- Ultra Compact
- Easy to Install
- Easy to Use
- No Power Required
- No Assembly Required
- No Programming Required
- Automatic Demand Based Regeneration
- Continuous Uninterrupted Soft Water
- Uses Less Water
- Uses Less Salt
- Bypass Valve
- 2 Year Warranty*

DELTA WATER SOFTENERS
HYDRO HOME

The twin parallel configuration of the **DELTA HYDROSOFT 200M Duplex** water softener provides continuous uninterrupted soft water with easy salt refill.
Staggered regeneration ensures continuous soft water.
Each softener regenerates in just 15 minutes, using only 18L of water and 0.3kgs of salt.

Models:

Model	Flow Rate lph	Connections inch	Capacity ppm/m3	Operating Range PPM
DHSO200M	2600	3/4	2 x 150	150 - 600

Dimensions:

460mm (W) x 490mm (L) x 470mm (H)

Applications:

Domestic use, cafés, commercial kitchens, dishwashers, dispensing machines, humidifiers, reverse osmosis pre-treatment, package boilers and cooling tower feed.

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Aqua Products Ltd
Simple Solutions

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AUTOTROL

Water Softener

Standard Features:

- Fully Automatic
- Quality Components Throughout
- Autotrol 268 High Capacity Valve
- 762 Series Demand Based Regeneration
- 12 Month Warranty*

Models:

Model	Vessel Size D x H mm	Service Flow lpm	Backwash Flow lpm	Capacity Grains	Connections Inch BSP
AWS735-268-762	152 x 890	7	5	10,500	1
AWS844-268-762	200 x 1120	17	6	22,000	1
AWS1054-268-762	250 x 1380	30	9	44,000	1
AWS1252-268-762	300 x 1320	45	13	66,000	1
AWS1465-268-762	350 x 1650	70	18	88,000	1

Applications:

Domestic, industrial, food manufacturing, reverse osmosis pre-treatment, boiler feed water.

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AUTOTROL Magnum

Water Softener

Standard Features:

- Valve Manufactured in Noryl
- Operating Pressure 20-125 PSI
- For 4" Tank Opening
- 12 Month Warranty*

Models:

Model	Vessel Size D x H mm	Service Flow lpm	Backwash Flow lpm	Capacity Grains	Connections Inch BSP
AWS1665-298-762	400 x 1650	98	24	123,620	2
AWS2061-298-762	500 x 1550	140	37	176,600	2
AWS2472-298-762	600 x 1828	175	53	220,750	2
AWS3062-298-762	760 x 1570	280	83	353,200	2

For water softeners greater than 30 inch, a custom design is required.

Applications:

Industrial water softening, food manufacturing, boiler feed water, reverse osmosis pre-treatment.

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Simple Solutions

12

AUTOTROL Duplex

Water Softener

Standard Features:

- Twin Alternating Systems
- Fully Automatic
- Quality Components Throughout
- 764 Series Demand Based Regeneration
- 12 Month Warranty*

For high capacity applications
and where continuous uninterrupted
soft water is required,
a DUPLEX softener is recommended.

Models:

Model	Vessel Size D x H mm	Service Flow lpm	Backwash Flow lpm	Capacity Grains	Connections Inch BSP
AWS-844-278-764	200 x 1120	17.5	6	22,075 x 2	1
AWS-1054-278-764	250 x 1370	31.6	9	39,735 x 2	1
AWS-1252-278-764	300 x 1320	45	13	57.395 x 2	1
AWS-1465-278-764	350 x 1650	70	18	88,300 x 2	1

Larger units on request.

Applications:

Industrial water softening, food manufacturing, boiler feed water, reverse osmosis pre-treatment.

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Run-Xin

Automatic Water Softener

Standard Features:

- Fully Automatic
- Demand Regeneration
- LCD display
- Adjustable Cycle Times
- Quality Components Throughout
- 12 Month Warranty*

NEW PATENTED
CERAMIC DISC TECHNOLOGY

Rotating Ceramic Disks Open & Close Ports to provide Automatic Operation.
Seal-less Design Provides Reliable Service and Reduced Maintenance Requirements.

Models:

Model	Vessel Size D x H mm	Service Flow Lpm max	Backwash Flow lpm	Capacity Grains	Connections Inch
RX855-F82	200x1120	17.5	6	22,000	1
RX1052-F82	250x1380	30	9	44,000	1
RX1252-F82	350x1650	45	13	66,000	1

Larger units on request.

Applications:

Domestic and industrial water softening, food manufacturing, boiler feed water, reverse osmosis pre-treatment.

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Section 13 Reverse Osmosis

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Aqua Products Ltd
Simple Solutions

13

PRF RO UNIT

Reverse Osmosis

Standard Features:

- Compact
- Low Cost
- Pump Free
- Easy to Maintain
- Built-in Pre-Filtration
- Up to 2500 Litres Per Day
- Built-In Water Shut Off Valve

The PRF RO offers a viable alternative to traditional RO for small scale applications.

Driven by water pressure, the PRF RO utilises high output low pressure membranes, eliminating the need for pumps.

Compact, designed for domestic undersink use,
these versatile units have found their way into many small industrial applications as well.

Models:

Model	Description
PRF RO	Reverse Osmosis system
3027637	PRF RO membrane
3038333	PRF activated carbon pre-filter
1266690	PRF sediment cartridge

Applications:

Domestic potable water, coffee makers, water coolers, humidifiers, aquariums, first stage treatment for laboratories. Suitable for use on potable water only.

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RO Machines

Reverse Osmosis

Standard Features:

- SS Frame
- Permeate Flow Meter
- Concentrate Flow Meter
- Recycle Flow Meter
- Inlet Pressure Gauge
- Operating Pressure Gauge
- Concentrate Pressure Gauge
- 2 Stage Pre Filters
- Microprocessor Control
- Conductivity Monitor
- Auto Flush System
- Manual Flush Push Button

Models:

Model	Permeate Flow l/h	Recovery Rate %	Rejection rate %	No. of Elements	Membrane Size inch	Power Consumption
RO 1500	180	50-75	95-98	1	4.0 x 40	1.5kW 1 phase
RO 3000	360	50-75	95-98	2	4.0 x 40	1.5kW 1 phase
RO 6000	725	50-75	95-98	4	4.0 x 40	2.2kW 3 phase
RO 9000	1090	50-75	95-98	6	4.0 x 40	3kW 3 phase
RO 12000	1450	50-75	95-98	8	4.0 x 40	4kW 3 phase
RO 15000	1815	50-75	95-98	10	4.0 x 40	4kW 3 phase
RO 18000	2180	50-75	95-98	12	4.0 x 40	5kW 3 phase

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EMEC Controllers

Reverse Osmosis

Standard Features:

- Microprocessor Based RO System Controller
- IP56 Wall Mounting Configuration
- Working Modes: Continuous Production, Washing, Waiting, Manual Production (with water meter only)
- Water Meter Input, Water Meter Output
- Dual Conductivity Display
- Standby, High Level, Low Level Input
- 3 Set Points
- Alarms: High Pressure, High Temperature for Osmosis Pump, Damaged Probes, Threshold, Dosing, Filter
- 5 Year Warranty*

emec SIMPLE AS WATER

NIMBUS

Modbus

Inlet and outlet conductivity display, RO pump output, dosing pump output, inlet solenoid control, outlet solenoid control, flushing solenoid control, level control for storage tank, inlet and outlet pressure monitoring, standby input.

Also available in a panel mount version to suit OEM assemblies.

Models:

Model	Configuration
LDOSIN PLUS	Wall mount IP65 housing
OSIN DIG	OEM version

Options:

Ethernet, GSM or WIFI communication. Local or remote control, NIMBUS web communication.

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Section 14 Demineralisers

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Demineraliser Bottles Page 1

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14

Demineraliser Bottles

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforcing
- 150 psi
- 50°C

Used to make small volumes of demineralised water,, demineraliser bottles can make high quality pure water at high flowrates.

You can refill the bottles yourself with mixed bed resin, or we offer an exchange service on request.

Models:

Model	Size D x H mm (inch)	Connections inch	Resin Volume Litre
PW717	178 x 400 (7 x 17)	3/4	7.5
PW844	200 x 1120 (8 x 44)	3/4	25

Larger Sizes On Request.

Applications:

Laboratory use, pharmaceutical ingredients and reagents, cosmetic manufacturing, battery filling, streak free cleaning, polisher after other treatment stages.

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Section 15 Ultraviolet Disinfection

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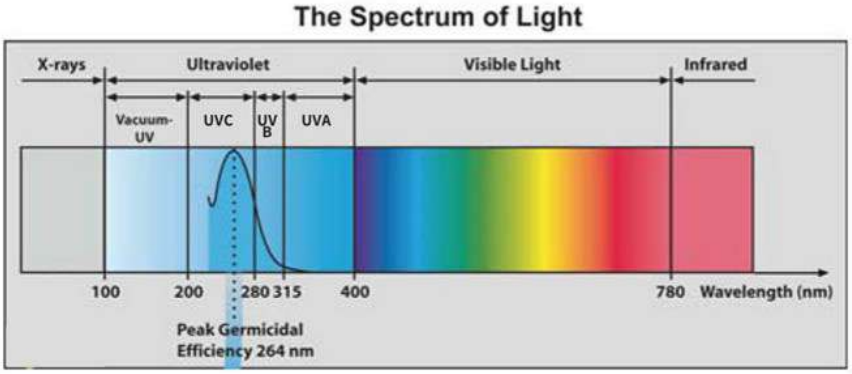
Ultraviolet Disinfection

Information



Ultraviolet (UV) systems provides a quick, effective and chemical free solution for many applications.

UV light in the range of 200 to 280 nanometres is the most effective range for pathogen destruction and is known as the germicidal spectrum, 254 nanometres being the most effective value.

UVC light has the ability to inactivate a wide range of nuisance micro-organisms by damaging their DNA. This damage prevents the organism from reproducing thus rendering them harmless.

The amount of UV energy you apply is known as the UV dose. It is a product of the UV intensity (energy per unit of surface area) and the exposure time. The UV dose is typically expressed in $\mu Wsec/cm^2$ or mJ/cm^2. The adjustment of either the intensity or flow rate will adjust the applied dose. This is why the same size UV can have different published UV dose rates, depending upon the lamp output, chamber design and the flowrate. You can achieve different UV dose rates simply by changing the flow rate.

The UV dose required to achieve inactivation depends upon the micro-organism. For example e-coli is inactivated at a dose rate of $6.6mJ/cm^2$, and both Giardia Lamblia and Cryptosporidium at $10mJ/cm^2$. Some viruses and fungi require higher dose rates.

Typically flow rates are quoted at three distinct dose rates. The first is 16mJ/cm2, and is based on an old US public health publication. A dose rate of 30mJ/cm2 has since become an industry standard. 40mJ/cm2 has recently been adopted by NSF, and as a result, by some public authorities as well.

The important thing is to note that different suppliers and manufacturers are quoting different dose rates, and you need to take this into account when comparing units.

The UV chamber is typically manufactured in Stainless Steel to provide a robust and temperature tolerant Unit. The use of properly rated pressure tube and correct manufacturing ensures reliability in service and guards against failure.

The quartz sleeve must be manufactured from pure quartz to provide optimum transmissibility, strength, and provide a thermal barrier with the water being treated.

There are many different types of lamp on the market, and they also come in many lengths, connections and configurations. The effectiveness of any UV unit should have been verified with a specific lamp type. Fitting the wrong lamp type may compromise the performance of the unit. For this reason, spare parts should be genuine, or at the very least specifically designed for the application by a reputable supplier.

NOTE: To prevent particles from shading micro-organisms, pre-filtration to 5 microns is recommended for all UV systems.

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Domestic Ultraviolet Disinfection

ALLAQUA UV Sterilisers

Standard Features:

- Flow Rates Quoted at 30mJ/cm² and 95%UVT
- 304SS Reactors.
- Low Pressure UV Lamps for Consistent UV Output Throughout Life
- Lamp Fail Alarm
- Lamp Life Countdown Timer
- 12 Month Return to Base Warranty

Allaqua®

Models:

Model	Flow l/m	Lamp watts	Chamber Dimensions mm	Port Size inch
AUV16	6.6	16	370 x 63.8	1/2
AUV25	23	25	590 x 63.8	1/2
AUV30	30	30	910 x 63.8	3/4
AUV55	45	45	950 x 63.8	3/4

Requirements:

Maximum operating pressure	6 bar	Hardness	<120ppm
Water temperature	2-40°C	Turbidity	<1NTU
Iron	<0.3ppm	UV Transmittance	>85%

Options:

316 reaction chambers, Lamp countdown timer, UV intensity monitors, shut off solenoids, flow switch versions for intermittent use. Commercial size units.

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Validated Ultraviolet Disinfection

LUMINOR BLACKCOMB NSF55 Class A

Standard Features:

- NSF 55 Class A Systems
- NZ Drinking Water Standards Compliant
- NSF Class A Systems are Used for Primary Disinfection to Inactivate or Kill Bacteria, Viruses & Cysts in Contaminated Water
- Normal Flows up to 68lpm
- Flow Rates Quoted at 40mj/cm^2 and 70%UVT
- 99.99% Destruction of Bacteria, Viruses and Protozoan Cysts
- 304SS Polished and Passivated Tubing
- Continuous Monitoring
- Colour Interface with System Diagnosis and Fault Codes
- Future Proof Expandability Port
- 10 Year Reactor Warranty
- 3 Year Controller Warranty

LUMINOR ENVIRONMENTAL

WaterMark

Models:

Model	Flow l/m	Lamp watts	Chamber Dimensions cm	Connections inch
LB6-154A	30	50	6.4 x 101.6	1
LBH6-404A	68	115	8.9 x 103.4	1-1/2

Requirements:

Maximum operating pressure	10.3 bar	Hardness	<120ppm
Water temperature	2-40°C	Turbidity	<1NTU
Iron	<0.3ppm	UV Transmittance	>85%

Options:

Water shut off solenoid, 4-20mA output, relay output, temperature management, Sherpa, UV concierge.

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Large Scale Validated Ultraviolet Disinfection

LUMINOR

***** COMING SOON *****

- Large Scale UV systems
- Suitable for Large Applications

LUMINOR — Rainier

***** COMING SOON *****

Enquire Now

LUMINOR — Everest

LUMINOR™ ENVIRONMENTAL

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LUMINOR Ultraviolet Disinfection

Options and Accessories

All LUMINOR reactors have a common sensor port, fitted with either a UV sensor or glow plug. This means that all models can be upgraded, future proofing your installation.

Controller Options

LB4.1: Constant output controller with count down lamp timer.

LB5.1: Features as per 4.1, plus colour screen, Full diagnostic and warnings, expansion port for future upgrades and options.

LB6.1: Features as per 5.1, plus UV intensity sensor and display.

LUMINOR ENVIRONMENTAL

Package Options

Luminor Ultraviolet sterilisers are available in a range of packaged systems combining filtration and sterilisation in a single convenient package.

Please enquire.

Ultrasonic Flow Meter

Real time flow monitoring for LB5 and LB6 units. No or low-flow signal for the UV controller.

The controller will reduce power to lamp, saving power, reducing quartz sleeve fouling and providing cooler operating temperatures.

Temperature Management

This optional bolt-on cooling fan runs continuously to lower the operating temperature of the ultraviolet steriliser.

Recommended for units with high output lamps.

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LUMINOR Ultraviolet Disinfection

Options and Accessories

Temperature Management

The TRV is a mechanical temperature management valve. When the water reaches a pre-set temperature the valve automatically opens dumping the hot water to drain.

Recommended for applications where there are extended periods without flow, or where the temperature management is required.

4-20mA Output Option

Provides a 4-20mA signal out for UV intensity.

Suitable for LB6.1 controllers

Remote Alarm Option

Provides a voltage free changeover relay contact for switching a remote alarm.

Suitable for LB5.1 and LB6.1 controllers

Solenoid Valve Option

Provides a shut off solenoid valve to turn off the water if the lamp fails or the UV intensity drops below 50%.

With manual over-ride.

Suitable for LB5.1 and LB6.1 controllers.

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LUMINOR Ultraviolet Disinfection

Options and Accessories

UV Sensor Module

Allows upgrade of all 5.1 systems, or replacement for all 6.1 systems.

Sherpa Wireless Monitoring Module

Remote monitoring of all major and minor alarms on the Blackcomb UV models.

UV Concierge

Check your Blackcomlb UV status remotely.

Integrated WiFi solution with data-logging capabilities.

Cloud based information storage.

SMS and email alerts for all major alarms.

LUMINOR

Dealer Portal

With the optional dealer module, you can now monitor all of the UV systems you service and get real time reporting on system status. You will know which systems are in need of attention and when servicing is due.

SMS and email alarm messaging is included.

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LED Ultraviolet Disinfection

LUMINOR Glacier UVC LED Series

Standard Features:

- Compact, High Power Density
- Integral Solid State Control Architecture
- Eco Friendly, Mercury Free
- 5,000 hrs LED Life
- Easy to Use, Install and Maintenance Free
- Temperature Independent Ensuring Constant Output
- Automatic Detection of Water Flow for On-Demand Disinfection for GUV4S & GUV5S
- Fully Integrated LED Based UV Disinfection System with Full Colour Screen Interface for GUV-5S
- Flow Rates Quoted at 30mJ/cm² and 95%UVT
- 3 Year Warranty
- 5000hr LED Usage Warranty

LUMINOR™ ENVIRONMENTAL

Models:

Model	Flow l/m	Input Power Watts	Voltage	Tube Connections OD inch	Automatic Water Flow Detection for On-Demand Disinfection
GUV-2	0.6	8	12	3/8	
GUV-5	2.4	12	12	3/8	
GUV-4S	2.4	15	12	3/8	✓
GUV-5S	2.4	16	12	3/8	✓

Requirements:

Maximum operating pressure	10.3 bar	Hardness	<120ppm
Water temperature	2-40°C	Turbidity	<1NTU
Iron	<0.3ppm	UV Transmittance	>85%

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Ultraviolet Disinfection

LUMINOR Spare Parts

LUMINOR Spare Parts:

Model	Quartz Sleeve	UV Lamp
LB4-024	RQ210	RL210
LB4-034	RQ290	RL290
LB4-064	RQ470	RL470
LB4-104	RQ820	RL820
LB4-154	RQ999	RL999
LB4-204	RQ850	RL850
LBH4-254	RQ600	RL600HO
LBH4-404	RQ950	RL950HO
LBH4-404-HW	RQ950	RL950HW
LB6-024A	RQ210	RL210
LB6-034A	RQ290	RL290
LB6-064A	RQ470	RL470
LB6-104A	RQ820	RL820
LB6-154A	RQ999	RL999
LBH6-404A	RQ950	RL950HO
LBH4-154-50	RQ420	RL420HO
LBH4-254-50	RQ600	RL600HO
LBH4-404-50	RQ950	RL950HO
LBH4-154-TOC	RQ420	RL420HO-TOC
LBH4-254-TOC	RQ600	RL600HO-TOC
LBH4-404-TOC	RQ950	RL950HO-TOC
LB5-02-12V	RQ210	RL210
LB5-03-12V	RQ290	RL290
LB5-06-12V	RQ470	RL470
LBH4-154-HW	RQ420	RL420HW
LBH4-254-HW	RQ600	RL600HW

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Section 16 Monochloramine Dosing Systems

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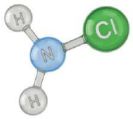

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Chloromine Generator

Standard Features:

- Homogeneous Continuous Dosing
- Chemical Concentration Selection (%)
- Dosing Mode:
  - Automatic calculation of the two reagents
  - Concentration setting in %
  - Proportional dosing setting via flow meter Signal
  - Manual dosing setting
- Integrated Dosing Flow Measurement
- Chemical Flow Control System
- Automatic Dilution System
- Dosing Pump Calibration Mode
- Chemical Setting (ammonia, ammonium sulphate, ammonium bicarbonate)
- Configurable Alarm Outputs
- Modbus TCP-IP Ethernet Communication Port

DOSING PUMPS

The MDS is equipped with two Prisma series volumetric reciprocating pumps with accurate volume control, providing precise control of flow dynamics. The flow rate or pump volume is controlled by adjusting the diaphragm stroke speed.

PRESSURE GAUGE

The pressure gauge with isolating diaphragm enables accurate monitoring of the pump's working pressure when corrosive liquids are present.

BACK PRESSURE VALVE

The back pressure valve prevents spontaneous liquid flow (siphoning) when the suction tank level is higher than the discharge level.

ULTRASONIC FLOW METER (Control Flow)

Equipped with feedback control, the ultrasonic flow meter ensures accurate and fully automatic adjustment of the dosing process.

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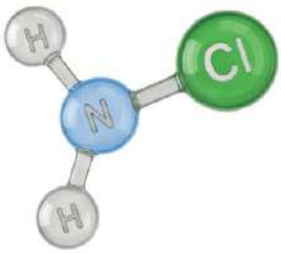
Chloromine Generator

Technical Specifications:

- HDPE Box Diameter 750x1500 Depth 560mm
- 7 inch Colour Touchscreen HMI Controller
- NH2Cl Production: from 50 to 5000 g/h
- 2 Self-Priming Electronic Dosing Pumps with Diaphragm, Stepper Motor Controlled by Electronic Control System and Dosing Head with PTFE Diaphragm and PVDF Valves
- 2 Pressure Gauges for Reading Pump Operating Pressure with Diaphragm Separator
- Reagent Minimum Level Sensors
- Leak Collection Tank
- Safety Cover Doors
- PVDF Reactor



MDS NH2Cl is a compact, automatic system designed for the production of monochloramine in aqueous solution for water treatment purposes.

MDS NH2Cl simultaneously doses two chemicals, ammonia (at a known percentage) and sodium hypochlorite (at a known percentage), into the water inside the reactor. Generation is monitored by the HMI and can be adjusted by a flow meter with the main water flow.

The system includes three protections:

- A protection for the NH_3 dosing pump
- A protection for the NaClO dosing pump
- A protection from the minimum flow reading of the dilution water meter

The generation of NH2Cl occurs inside a reactor with external water flow to protect the reactor. Inside the reactor, the two reagents react with the dilution water at a concentration of approx. 2 g/l (2000 ppm).

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Section 17 Chemical Mixers

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ALLAQUA Static Mixers	Page 5

Aqua Products Ltd
Simple Solutions

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EMEC Mechanical Mixers

Standard Features:

- Top Mounting Flanged Mixers
- IP55
- Designed for Tanks from 100 to 1000L
- 3 Phase or Single Phase
- PVC Coated Stainless Steel Shaft
- Fluorocarbon Rotary Seal Fitted to the Flange to Protect Motor from Chemical Vapours

emec
SIMPLE AS WATER

MIXVN | MIXN

Choose **high speed** mixer for intermittent use.
Choose **low speed** mixer for viscous & abrasive medias.

Models:

Model	Rated Power kW	Rotational Speed rpm	Shaft Length mm	Propeller Diameter mm	Use for Tanks Sizes
MIX8N	0.09	65 or 200	630, 730	150	up to 250L
MIXV8N	0.09	1400	630, 730	70	up to 250L
MIX4N	0.18	65, 200 or 400	730, 980, 1100	200	up to 1000L
MIXV4N	0.18	1400	730, 980	90	up to 500L
MIX2N	0.37	65, 200 or 400	1100	200	up to 1000L
MIXV2N	0.37	1400	730, 980, 1100	90	up to 1000L

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EMEC Manual Mixers

Standard Features:

- Chemical Tank Mixer
- Manual Mixer for Chemical Tanks, to keep Chemical Solutions in Suspension

emec
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Models:

Model	Mixer	Shaft Length mm	Propeller Diameter mm
MIX MAN 450	PVC	450	130
MIX MAN 650	PVC	650	130
MIX MAN 770	PVC	770	130
MIX MAN 1100	PVC	1100	130

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FLUIMAC FVP Mechanical Mixers

Standard Features:

- Top Mounting Flanged Mixers
- IP55
- Reduction Gearbox
- 316 Stainless Steel Shaft
- 316 Blade Mixer with 45˚ Inclined Plates
- 3 Phase Standard - Single Phase Optional

fluimac®
PUMPS WE TRUST

Models:

Model	Rated Power kW	Rotational Speed rpm	Shaft Length mm	Propeller Diameter mm	Use for Tanks Sizes
FVP 02032 S 130V	0.25	140	1300	350	1500L
FVP 03031 S 130V	0.37	200	1300	350	2000L
FVP 05031 S 130V	0.55	200	1300	350	3000L
FVP 07051 S 130V	0.75	140	1500	500	4000L

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EMEC Static Mixers

Standard Features:

- In-Line UPVC Static Mixer
- Polypropylene Mixing Elements
- 1/2 inch Injection Valve
- Serviceable

emec
SIMPLE AS WATER

Models:

Model	Size inch	Connection	Injection Valve inch
MIX STATICO D40	1-1/4	DN40 Socket Ends	1/2
MIX STATICO 1-1/4	1-1/4	BSP Threads	1/2
MIX STATICO 1-1/2	1-1/2	BSP Threads	1/2
MIX STATICO 2	2	BSP Threads	1/2

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Aqua Products Ltd
Simple Solutions

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Allaqua Static Mixers

Standard Features:

- In-Line UPVC Static Mixer
- Clear PVC Housing
- UPVC Mixing Elements
- Sch80 Union Connection

Allaqua®

Models:

Model	Size	Connections inch	Flow m3/hr	Length mm
ASM15	DN15	1/2	0.3 - 0.6	200
ASM20	DN20	3/4	0.3 - 1.2	400
ASM25	DN25	1	0.9 - 1.8	400
ASM32	DN32	1-1/4	1.4 - 2.8	400
ASM40	DN40	1-1/2	2.2 - 4.5	450
ASM50	DN50	2	3.5 - 7	500

Options:

UPVC mixer with 316SS mixing elements. 304SS and 316SS mixers. Flange connections on request. Available up to DN300

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Section 18 Ozone

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Aqua Products Ltd
Simple Solutions

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Ozone Generators

Wall Mounted

Standard Features:

- Stainless Steel Mounting Box
- Air-Cooled
- Integrated Timer
- Integrated Air Pump
- Suitable for Humidity ≤90%
- 1 Year Warranty*

Allaqua®

Models:

Model	Capacity (MAX) G/h	Dimensions mm	Power watts
AO5GW	5	461 x 180 x 240	82
AO6GW	6	461 x 180 x 240	136
AO10GW	10	461 x 180 x 240	220

Options:

Adjustable Ozone output.
Integrated air dryer.

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Aqua Products Ltd
Simple Solutions

Ozone Generators

Free Standing

Standard Features:

- Stainless Steel Mounting Box
- Air Cooled
- Integrated Timer
- Integrated Air Pump
- Suitable for Humidity ≤90%
- 1 Year Warranty*

Allaqua®

Models:

Model	Capacity G/h	Dimensions mm	Power watts
AO10G	10	360 x 260 x 730	206
AO15G	15	360 x 260 x 730	271
AO20G	20	360 x 260 x 730	306
AO30G	30	420 x 260 x 1090	481
AO40G	40	420 x 260 x 1090	601
AO50G	50	450 x 290 x 1415	824
AO60G	60	450 x 290 x 1415	868

Options:

Adjustable Ozone output.
Integrated air dryer.
Capacities up to 500G/h.

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Simple Solutions

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Ozone Generators

Portable

Standard Features:

- Air Cooled
- Integrated Timer
- Integrated Air Pump
- Suitable for Humidity ≤90%
- 1 Year Warranty*

Allaqua®

Models:

Model	Capacity (Max) G/h	Dimensions mm	Power watts
AO3GP	3	175 x 371 x 282	82
AO5GP	5	175 x 371 x 282	122
AO6GP	6	175 x 371 x 282	132
AO10GP	10	175 x 371 x 282	198

Options:

Adjustable Ozone output.
Integrated Air Drier

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Ozone Accessories

Air Stones & Ozone Injectors

Standard Features:

- Fine Bubble Diffusers for Delivering Ozone into a Water Tank

Air Stones

Allaqua®

Models:

Model	Diameter mm	Type	Inlet mm	Air Flow l/m
BL20	20	Round	4	1 to 3
BL30	30	Round	5	2 to 5
BL40	40	Round	6 or 8	4 to 8
BF40	40	Flat	6 or 8	3 to 7
BF60	60	Flat	6 or 8	5 to 10
BF80	80	Flat	8 or 10	8 to 15
BF100	100	Flat	8 or 10	10 to 20

Standard Features:

- For Delivering Ozone into a Pipeline
- PVDF Construction

Ozone Injectors

Allaqua®

Models:

Model	Size inch	Gas Inlet inch	Water Flow m^3/h	Length mm
A12057	1/4	1/8	0.05 - 0.25	60
A25100	1/2	1/4	0.2 - 1	100
A25152	3/4	1/4	1 - 3	152
A32235	1	3/8	3 - 10	230
A48275	1-1/2	1/2	10 - 25	275
A58295	2	1/2	25 - 50	295

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Section 19 Filtration

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Simple Solutions

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Stainless Steel Cluster Filter Housings

Standard Features:

- 304 Stainless Steel
- 7 Cartridges Per Housing
- Fits Standard Open End Cartridges
- Temperature Range 4-140°C
- 600 kPa
- Drain Fitting
- Vent or Gauge Port

For the removal of
particulate matter from water.

Models:

Model	Height mm	Fits Cartridges inch	Flow Rate l/m	Connections NPT inch
CF10-7SS	540	10 x 2.5	105	1-1/2
CF20-7SS	780	20 x 2.5	210	1-1/2
CF30-7SS	1060	30 x 2.5	315	2
CF40-7SS	1340	40 x 2.5	420	2

Options:

Bag filters version, high pressure version, 316 SS version, alternative cartridge mountings, alternative cartridge quantities.

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PVC Cluster Filter Housings

Standard Features:

- UPVC
- 5 Cartridges Per Housing
- Fits Standard Open End Cartridges
- Temperature Range 4-38°C
- 500 kPa
- Vent or Gauge Port

For the removal of
particulate matter from water.

Models:

Model	Height mm	Fits Cartridges inch	Flow Rate l/m	Connections Socket inch
CF10-5PVC	480	10 x 2.5	75	1-1/2
CF20-5PVC	730	20 x 2.5	150	1-1/2
CF30-5PVC	980	30 x 2.5	225	2
CF40-5PVC	1230	40 x 2.5	300	2

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Simple Solutions

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Manual Multimedia Filters

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforced
- 600 kPa
- 0-50°C
- 3 Position Manual Control Valve
  Service / Backwash / Rinse
- 12 Month Warranty*

For the removal of
particulate matter from water.

Models:

Model	Size D x H mm	** Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
MMMF844	200 x 1120	18	18	1
MMMF1054	250 x 1380	30	28	1
MMMF1252	300 x 1320	40	40	1

** Actual flow rate is application dependant. Please enquire.

Options:

Larger sizes on request.

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Automatic Multimedia Filters

Standard Features:

- Automatic Timer Controlled Backwash
- Autotrol 263 High Capacity Valve
- 600 kPa
- 12 Month Warranty*

For the removal of
particulate matter from water.

Models:

Model	Size D x H mm	** Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
AMMF844-263-742	200 x 1120	18	18	1
AMMF1054-263-742	250 x 1380	30	28	1
AMMF1252-263-742	300 x 1320	40	40	1

** Actual flow rate is application dependant. Please enquire.

Options:

Larger sizes on request.

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Aqua Products Ltd
Simple Solutions

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Manual Activated Carbon Filters

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforced
- 600 kPa
- 0-50°C
- 3 Position Manual Control Valve
  Service / Backwash / Rinse
- 12 Month Warranty*

For the removal of chlorine,
taste & odours from water.

Models:

Model	Size D x H mm	** Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
MCF735	175 x 890	4	5	1
MCF844	200 x 1120	7	10	1
MCF1054	250 x 1380	12	16	1
MCF1252	300 x 1320	17	25	1
MCF1465	350 x 1650	25	35	1

** Actual flow rate is application dependant. Please enquire.

Options:

Larger sizes on request.

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Simple Solutions

Automatic Activated Carbon Filters

Standard Features:

- Automatic Backwash Timer
- Autotrol 263 High Capacity Valve
- 600 kPa
- 12 Month Warranty*

For the removal of chlorine,
taste & odours from water.

Models:

Model	Size D x H mm	** Service Flow Max l/m	Backwash Flow min l/m	Connections BSP inch
ACF735-263-742	175 x 890	4	5	1
ACF844-263-742	200 x 1120	7	10	1
ACF1054-263-742	250 x 1380	12	16	1
ACF1252-263-742	300 x 1320	17	25	1
ACF1465-263-742	350 x 1650	25	35	1

** Actual flow rate is application dependant. Please enquire.

Options:

Larger sizes on request.

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Simple Solutions

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Manual Pyrolox Iron Filters

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforced
- 600 kPa
- 0-50°C
- 3 Position Manual Control Valve
  Service / Backwash / Rinse
- 12 Month Warranty*

For the removal of iron, manganese & hydrogen sulphide from water.

Models:

Model	Size D x H mm	** Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
MPF844	200 x 1120	15	24	1
MPF1054	250 x 1380	23	37	1
MPF1252	300 x 1320	35	54	1

** Actual flow rate is application dependant. Please enquire.

Operating Parameters:

TDS<500, pH>6.5, Iron<10ppm, Manganese <8ppm, Hydrogen Sulphide<10ppm.

Options:

Larger sizes on request.

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Simple Solutions

Automatic Pyrolox Iron Filters

Standard Features:

- Timer Based Automatic Backwash
- Autotrol 263 High Capacity Valve
- 600kPa
- 12 Month Warranty*

For the removal of iron, manganese & hydrogen sulphide from water.

Models:

Model	Size D x H mm	** Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
APF844-263-742	200 x 1120	15	24	1
APF1054-263-742	250 x 1380	23	37	1
APF1252-263-742	300 x 1320	35	54	1

** Actual flow rate is application dependant. Please enquire.

Operating Parameters:

TDS<500, pH>6.5, Iron<10ppm, Manganese <8ppm, Hydrogen Sulphide<10ppm.

Options:

Larger sizes on request.

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Simple Solutions

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pH Neutralisers

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforced
- 600 kPa
- 0-50°C
- Flow Rates and Performance Varies with Water Quality
- 12 Month Warranty*

Acidic water causes problems with corrosion of plumbing fittings. By dissolving metals it can cause water leaks and staining of household fixtures. A neutralising filter provides an economical solution.

Water flows through a tank containing a specially selected Calcite based media, which dissolves into the water to raise the pH. The media can be topped up periodically as required.

Models:

Model	Size D x H mm	Typical Application	Connections BSP inch
NF718	175 x 450	Small Flows	1
NF735	175 x 890	Small House	1
NF844	200 x 1100	Medium House	1
NF1052	250 x 1320	Large House	1

Options:

Larger sizes for commercial applications on request.
Manual or automatic backwash versions for applications with high solids content.

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Arsenic Removal Filters

Standard Features:

- Polyethylene Tank Liner
- Spiral Wound Fibreglass Reinforced
- 600 kPa
- 0-50°C
- Flow Rates and Performance Varies with Water Quality
- 12 Month Warranty*

Arsenic contamination is a rare problem in New Zealand, but it does occur in ground water from time to time.

We can supply a bottle containing a specialised arsenic media for the removal of arsenic from potable water supplies. The media eventually saturates, and the bottle is then refilled.

Self regenerating units are also available. A custom design is recommended for each application.

Models:

Please enquire.

Options:

Larger sizes for commercial applications on request.
Manual or automatic backwash versions for applications with high solids content.
Self regenerating versions on request.

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Nitrate Removal Filters

Standard Features:

- Fully Automatic
- Autotrol 268 High Capacity Valve
- 762 Series Demand Based Regeneration
- 600kPa
- 12 Month Warranty*

Nitrate contamination of ground water is an increasing health concern.
Nitrate specific ion exchange resin targets this growing problem.

The filter automatically regenerates using salt.

Models:

Model	Size D x H mm	Service Flow max l/m	Backwash Flow min l/m	Connections BSP inch
ANF844-268-762	200 x 1120	10	6	1
ANF1054-268-762	250 x 1380	20	9	1
ANF1252-268-762	300 x 1320	50	13	1
ANF1465-268-762	350 x 1650	80	18	1

Options:

Larger sizes for commercial applications on request.

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Cartridge Filter Housings

5 inch Filter Housing - Clear

Model	Description
AFHC05S1/2	5 inch 3 piece filter housing
Size	For 5 inch x 2.5 inch cartridge
Connections	1/2 inch BSP - Brass reinforced
Specifications	0-50°C, 600 Kpa, brass reinforced connectons, complete with bleed valve, spanner and wall bracket

10 inch Filter Housing - Clear

Model	Description
AFHC10S 1/2	10 inch 3 piece filter housing, 1/2 inch BSP
AFHC10S 3/4	10 inch 3 piece filter housing, 3/4 inch BSP
Size	For 10 inch x 2.5 inch cartridge
Connections	1/2 or 3/4 inch BSP - Brass reinforced
Specifications	0-50°C, 600 Kpa, complete with bleed valve, spanner and wall bracket

10 inch Filter Housing - Opaque

Model	Description
AFHO10S3/4	10 inch filter housing
Size	For 10 inch x 2.5 inch cartridge
Connections	3/4 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa, complete with bleed valve, spanner and wall bracket.

20 inch Filter Housing - Opaque

Model	Description
AFHO20S3/4	20 inch filter housing
Size	For 20 inch x 2.5 inch cartridge
Connections	3/4 inch BSP - Brass reinforced
Specifications	0-45°C, 600 Kpa, complete with bleed valve, spanner and wall bracket

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Cartridge Filter Housings

10 inch Big Filter Housing

Model	Description
AFHO10B1	10 inch big filter housing complete
Size	For one 10 inch x 4 inch cartridge
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valve
Includes	Spanner and wall bracket

10 inch Big Filter Housings

Model	Description
AFHO10B1-2	Two 10 inch big filter housing
Size	For two 10 inch x 4 inch big cartridges
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valves
Includes	spanner and wall bracket

10 inch Big Filter Housings

Model	Description
AFHO10B1-3	Three 10 inch big filter housing
Size	For three 10 inch x 4 inch big cartridges
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valves
Includes	spanner and wall bracket

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Cartridge Filter Housings

20 inch Big Filter Housing

Model	Description
AFHO20B1	20inch big filter housing complete
Size	For one 20 inch x 4 inch cartridge
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valve
Includes	spanner and wall bracket

20 inch Big Filter Housings

Model	Description
AFHO20B1-2	Two 20 inch big filter housing
Size	For two 20 inch x 4 inch big cartridges
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valves
Includes	spanner and wall bracket

20 inch Big Filter Housings

Model	Description
AFHO20B1-3	Three 20 inch big filter housing
Size	For three 20 inch x 4 inch big cartridges
Connections	1 inch BSP - Brass reinforced
Specifications	0-50°C, 600 kPa double o-ring integral bleed valves
Includes	spanner and wall bracket

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Aqua Products Ltd
Simple Solutions

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Filter Cartridges

Polypropylene Spun Fibre Filter Cartridges

Model	Length inch	Diameter inch	Micron Rating	Cartridge Type
2100250N	10	2.5	50	Nominal
2100220N	10	2.5	20	Nominal
2100205N	10	2.5	5	Nominal
2100201N	10	2.5	1	Nominal
2200250N	20	2.5	50	Nominal
2200220N	20	2.5	20	Nominal
2200205N	20	2.5	5	Nominal
2200201N	20	2.5	1	Nominal
2300210N	30	2.5	10	Nominal
2300205N	30	2.5	5	Nominal
2300201N	30	2.5	1	Nominal
2400210N	40	2.5	10	Nominal
2400201N	40	2.5	1	Nominal
2100450N	10	4	50	Nominal
2100420N	10	4	20	Nominal
2100405N	10	4	5	Nominal
2100401N	10	4	1	Nominal
2200450N	20	4	50	Nominal
2200420N	20	4	20	Nominal
2200405N	20	4	5	Nominal
2200401N	20	4	1	Nominal

Options:

Dual gradient cartridges, absolute rated cartridges, alternative end connections.

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Filter Cartridges

Polypropylene Pleated Filter Cartridges

Model	Length inch	Diameter inch	Micron Rating	Cartridge Type
3100250N	10	2.5	50	Nominal
3100220N	10	2.5	20	Nominal
3100205N	10	2.5	5	Nominal
3100201N	10	2.5	1	Nominal
3100201A	10	2.5	1	Absolute
3200250N	20	2.5	50	Nominal
3200220N	20	2.5	20	Nominal
3200205N	20	2.5	5	Nominal
3200201N	20	2.5	1	Nominal
3100450N	10	4	50	Nominal
3100420N	10	4	20	Nominal
3100410N	10	4	10	Nominal
3100405N	10	4	5	Nominal
3100401N	10	4	1	Nominal
3100401A	10	4	1	Absolute
3200450N	20	4	50	Nominal
3200420N	20	4	20	Nominal
3200405N	20	4	5	Nominal
3200401N	20	4	1	Nominal
3200401A	20	4	1	Absolute

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Filter Cartridges

Activated Carbon Cartridges

Model	Length inch	Diameter inch	Micron Rating	Cartridge Type
6050205N	5	2.5	5	Nominal
6100205N	10	2.5	5	Nominal
6100201N	10	2.5	0.5	Nominal
6200205N	20	2.5	5	Nominal
6200201N	20	2.5	0.5	Nominal
6100405N	10	4	5	Nominal
6200405N	20	4	5	Nominal

Washable Net Cartridges

Model	Length inch	Diameter inch	Micron Rating	Flow l/h
40502100N	5	2.5	100	1500
41002100N	10	2.5	100	2500

Allaqua washable cartridges can be washed and re-used multiple times.
The washable net cartridge is ideal for removing suspended solids, sand, and rust particles.

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Compact Ball Valves

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- 0-55°C
- UV Resistant
- 0-6 Bar
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
CBV 1/2 BSP	DN15	UPVC	EPDM	1/2	BSP Thread
CBV 3/4 BSP	DN20	UPVC	EPDM	3/4	BSP Thread
CBV 1 BSP	DN25	UPVC	EPDM	1	BSP Thread
CBV 1-1/4 BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
CBV 1-1/2 BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
CBV 2 BSP	DN50	UPVC	EPDM	2	BSP Thread

Alternative colours and socket ends available on request.

Sampling Valve

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- 0-55°C
- UV Resistant
- 0-6 Bar
- 12 Month Warranty*

Model	Material	Seals	Connection Size inch	Connection Type
SAMPLEVALVE1/4EPBSP	UPVC	EPDM	1/4	BSP Thread

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Double Union Ball Valves

Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Double Union Connections
- Serviceable Valve
- Removable Handle
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UBV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
UBV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
UBV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
UBV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
UBV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
UBV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
UBV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UBV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UBV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UBV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UBV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UBV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC, PVDF.
BSP threads, socket ends or alternative international connections.
Viton seals on request.
Available up to DN100 on request.

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

Aqua Products Ltd
Simple Solutions

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Single Union Non Return Valves

Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Single Union Connection
- UV Resistant
- 0-55°C
- 0-10 Bar
- With spring for vertical or horizontal mounting
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
NRVS UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
NRVS UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
NRVS UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
NRVS UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
NRVS UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
NRVS UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
NRVS UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
NRVS UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
NRVS UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
NRVS UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
NRVS UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
NRVS UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH.
Alternative colours on request.
BSP threads, socket ends or alternative international connections.
Viton seals on request.

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Aqua Products Ltd
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Double Union Non Return Valves

Standard Features:

- ANSI Schedule 80 or BSP
- PVC Body
- EPDM Seals
- Double Union Connections
- Serviceable Valve
- Patented Springless Design
- UV Resistant
- 0-55°C
- 0-10 Bar
- For Vertical Mounting
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UNRV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
UNRV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
UNRV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
UNRV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
UNRV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
UNRV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread
UNRV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UNRV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UNRV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UNRV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UNRV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UNRV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC.
BSP threads, socket ends or alternative international connections.
Viton seals on request.

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Simple Solutions

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Foot Valves

Standard Features:

- BSP
- PVC Body
- EPDM Seals
- Serviceable Valve
- No Spring
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
FV UPVC 1/2 EP BSP	DN15	UPVC	EPDM	1/2	BSP Thread
FV UPVC 3/4 EP BSP	DN20	UPVC	EPDM	3/4	BSP Thread
FV UPVC 1 EP BSP	DN25	UPVC	EPDM	1	BSP Thread
FV UPVC 1-1/4 EP BSP	DN32	UPVC	EPDM	1-1/4	BSP Thread
FV UPVC 1-1/2 EP BSP	DN40	UPVC	EPDM	1-1/2	BSP Thread
FV UPVC 2 EP BSP	DN50	UPVC	EPDM	2	BSP Thread

Options:

Valve in UPVC, CPVC.
BSP threads, socket ends or alternative international connections.
Larger sizes available on request.
Viton seals on request.

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Simple Solutions

Butterfly Valves

Standard Features:

- Flange Mounted
- PVC Body
- EPDM Seals
- Lockable Handle
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
BV UPVC 1-1/2 EP	DN40	UPVC	EPDM	1-1/2	Flange
BV UPVC 2 EP	DN50	UPVC	EPDM	2	Flange
BV UPVC 2-1/2 EP	DN65	UPVC	EPDM	2-1/2	Flange
BV UPVC 3 EP	DN80	UPVC	EPDM	3	Flange
BV UPVC 4 EP	DN100	UPVC	EPDM	4	Flange
BV UPVC 5 EP	DN125	UPVC	EPDM	5	Flange
BV UPVC 6 EP	DN150	UPVC	EPDM	6	Flange
BV UPVC 8 EP	DN200	UPVC	EPDM	8	Flange

Options:

Valve in UPVC, CPVC, PPH.
Viton seals on request.

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Aqua Products Ltd
Simple Solutions

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Union Diaphragm Valves

Standard Features:

- ANSI Schedule 80
- PVC Body
- EPDM Seals
- Double Union Connections
- Position Indicator
- UV Resistant
- 0-55°C
- 0-10 Bar
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
UDV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
UDV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
UDV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
UDV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
UDV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
UDV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End
UDV UPVC 2-1/2 EP SCH80	DN65	UPVC	EPDM	2-1/2	Socket End
UDV UPVC 3 EP SCH80	DN80	UPVC	EPDM	3	Socket End
UDV UPVC 4 EP SCH80	DN100	UPVC	EPDM	4	Socket End

Options:

Valve in UPVC, CPVC, PPH, Clear PVC, PVDF.
Available with or without unions, BSP, flanged or socket connections.
Diaphragm in Viton or PTFE on request.
Viton seals on request.

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Aqua Products Ltd
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Safety Relief Valves

Standard Features:

- ANSI Schedule 80
- PVC Body
- PTFE Coated EPDM Diaphragm
- Double Union Connections
- 0-55°C
- Adjustable 0-10 Bar
- 12 Month Warranty*

Suitable as a Relief Valve, Back Pressure Valve or Anti-Siphon Valve.
To provide protection and process security in pumped applications with pipework.

Models:

Model	Size	Material	Seals	Connection Size inch	Connection Type
USRV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
USRV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
USRV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
USRV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
USRV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
USRV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End
USRV UPVC 2-1/2 EP SCH80	DN65	UPVC	EPDM	2-1/2	Socket End

Options:

Valve in UPVC, PPH, CPVC, PVDF.
Diaphragm in Viton or PTFE coated EPDM.

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Aqua Products Ltd
Simple Solutions

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Allaqua DSV Solenoid Valves

Standard Features:

- Direct Acting Solenoid Valves
- IP65
- 304SS
- 0-10 Bar
- 0-80°C
- IP65
- 12 Month Warranty*

Allaqua®

Allaqua DSV valves offer an economical solution for process automation.

We recommend Allaqua solenoid valves for applications requiring fast opening & closing and multiple quick switching operations.

Suitable for water, air, gases & oil - for viscosities up to 20cPs.

Models:

Model	Connections BSP inch	Cv	Lift Action	Valve Body	Voltage	
DSV 15 SVC 24	1/2	4.6	Semi-Direct	304SS	24	DC
DSV 20 SVC 24	3/4	8.5	Semi-Direct	304SS	24	DC
DSV 25 SVC 24	1	12	Semi-Direct	304SS	24	DC
DSV 32 SVC 24	1-1/4	26	Semi-Direct	304SS	24	DC
DSV 40 SVC 24	1-1/2	26	Semi-Direct	304SS	24	DC
DSV 50 SVC 24	2	48	Semi-Direct	304SS	24	DC
DSV 15 SVC 230	1/2	4.6	Semi-Direct	304SS	230	AC
DSV 20 SVC 230	3/4	8.5	Semi-Direct	304SS	230	AC
DSV 25 SVC 230	1	12	Semi-Direct	304SS	230	AC
DSV 32 SVC 230	1-1/4	26	Semi-Direct	304SS	230	AC
DSV 40 SVC 230	1-1/2	26	Semi-Direct	304SS	230	AC
DSV 50 SVC 230	2	48	Semi-Direct	304SS	230	AC

Options:

Available in Brass or 304SS.
Voltage in 230VAC, 110VAC, 24VDC, 12VDC.
Seals in NBR, EPDM or Viton.
Normally open valves available on request.

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Simple Solutions

KLD20 Mini Motorised Valves

Standard Features:

- Ultra Compact Mini Actuator 55x65x60mm
- Reliable Operation 70,000+ Cycles**
- Fast Operation 5-7 Seconds
- Low Power Consumption 5 Watts
- Valve Position Indicator Window
- Manual Override Standard, optionally without
- IP54
- 12 Month Warranty*

Supplied with KLD20COVER
Weather cover for outdoor use.

** Based on manufacturers testing on cold water at 1mPa.

Motorised ball valves are a popular alternative to solenoid valves. Often retrofitted into difficult applications where solenoid valves are problematic. KLD ball valves have no diaphragms to rupture, no pilot tubes to block, no minimum pressure requirement and no restriction to flow. These valves also feature a manual over-ride and a visual indication of valve position.

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD20S KT2 DN15 PVC 24	15	15	PVC	24	AC/DC
KLD20S KT2 DN20 PVC 24	20	20	PVC	24	AC/DC
KLD20S KT2 DN15 PVC 230	15	15	PVC	230	AC
KLD20S KT2 DN20 PVC 230	20	20	PVC	230	AC
KLD20S KT2 DN15 SS 24	15	15	316 SS	24	AC/DC
KLD20S KT2 DN20 SS 24	20	20	316 SS	24	AC/DC
KLD20S KT2 DN25 SS 24	25	20	316 SS	24	AC/DC
KLD20S KT2 DN15 SS 230	15	15	316 SS	230	AC
KLD20S KT2 DN20 SS 230	20	20	316 SS	230	AC
KLD20S KT2 DN25 SS 230	25	20	316 SS	230	AC
KLD20S BD3 DN15 PVC 24	15	15	PVC	24	AC/DC
KLD20S BD3 DN20 PVC 24	20	20	PVC	24	AC/DC
KLD20S BD3 DN15 PVC 230	15	15	PVC	230	AC
KLD20S BD3 DN20 PVC 230	20	20	PVC	230	AC
KLD20S BD3 DN15 SS 24	15	15	316 SS	24	AC/DC
KLD20S BD3 DN20 SS 24	20	20	316 SS	24	AC/DC
KLD20S BD3 DN25 SS 24	25	20	316 SS	24	AC/DC
KLD20S BD3 DN15 SS 230	15	15	316 SS	230	AC
KLD20S BD3 DN20 SS 230	20	20	316 SS	230	AC
KLD20S BD3 DN25 SS 230	25	20	316 SS	230	AC

Options:

KT2 = 2 wire self closing. BD3 = 3 wire powered to open and close.

For alternative voltages, control types or valve materials please enquire. Normally open (NO) available on request.

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Simple Solutions

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KLD200 Motorised Valves

Standard Features:

- Compact Actuator 70x84x102mm
- Fast Operation 10 Seconds
- Low Power Consumption 36 Watts
- Valve Position Indicator Window
- Manual Override
- IP54
- 12 Month Warranty*

Models:

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD200N BD3 DN25 PVC 24	1	25	PVC	24	AC/DC
KLD200N BD3 DN32 PVC 24	1-1/4	32	PVC	24	AC/DC
KLD200N BD3 DN40 PVC 24	1-1/2	40	PVC	24	AC/DC
KLD200N BD3 DN50 PVC 24	2	50	PVC	24	AC/DC
KLD200N BD3 DN25 PVC 230	1	25	PVC	230	AC
KLD200N BD3 DN32 PVC 230	1-1/4	32	PVC	230	AC
KLD200N BD3 DN40 PVC 230	1-1/2	40	PVC	230	AC
KLD200N BD3 DN50 PVC 230	2	50	PVC	230	AC
KLD200N BD3 DN25 SS 24	1	25	304SS	24	AC/DC
KLD200N BD3 DN32 SS 24	1-1/4	32	304SS	24	AC/DC
KLD200N BD3 DN40 SS 24	1-1/2	40	304SS	24	AC/DC
KLD200N BD3 DN50 SS 24	2	50	304SS	24	AC/DC

Options:

Other voltages on request.
Control types available in B3S with feedback switches or KT3 self close when power fails.
Available in nickel plated brass.

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KLD Motorised Valves

Larger Sizes — On Request

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Pneumatic Ball Valves

Standard Features:

- Compressed Air Operated 45-120 psi
- Double or Single Acting Actuator
- Position Indicator
- Double Union Ball Valve
- 10 Bar Media Working Pressure
- 0-55°C UPVC
- EPDM Seals
- 12 Month Warranty*

Actuators & Valves
Select options below
sold separately

Models:

Model	Description	Valve Size inch					
Pneumatic Actuators							
		1/2	3/4	1	1-1/4	1-1/2	2
VT 032D	Double acting	✓	✓	✓			
VT 050D	Double acting				✓	✓	✓
VT 050S 05	Single acting	✓	✓				
VT 050S 08	Single acting			✓			
VT 050S 10	Single acting				✓		
VT 065S 06	Single acting					✓	
VT 065S 07	Single acting						✓

Model	Size	Material	Seals	Connection Size inch	Connection Type
Double Union Ball Valve with ISO Actuator Mount					
ISO UBV UPVC 1/2 EP SCH80	DN15	UPVC	EPDM	1/2	Socket End
ISO UBV UPVC 3/4 EP SCH80	DN20	UPVC	EPDM	3/4	Socket End
ISO UBV UPVC 1 EP SCH80	DN25	UPVC	EPDM	1	Socket End
ISO UBV UPVC 1-1/4 EP SCH80	DN32	UPVC	EPDM	1-1/4	Socket End
ISO UBV UPVC 1-1/2 EP SCH80	DN40	UPVC	EPDM	1-1/2	Socket End
ISO UBV UPVC 2 EP SCH80	DN50	UPVC	EPDM	2	Socket End

Options:

BSP threads, socket ends or alternative international connections.
Viton Seals on request.

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Pneumatic Butterfly Valves

Standard Features:

- Compressed Air Operated 45-120 psi
- Double or Single Acting Actuator
- Position Indicator
- UV Stabilised UPVC Valve
- 10 Bar Media Working Pressure
- 0-55°C UPVC
- EPDM Seals
- 12 Month Warranty*

Models:

Model	Size	Material	Seals	Connection Size inch
PA BV UPVC 1-1/2 EP	DN40	UPVC	EPDM	1-1/2
PA BV UPVC 2 EP	DN50	UPVC	EPDM	2
PA BV UPVC 2-1/2 EP	DN65	UPVC	EPDM	2-1/2
PA BV UPVC 3 EP	DN80	UPVC	EPDM	3
PA BV UPVC 4 EP	DN100	UPVC	EPDM	4
PA BV UPVC 5 EP	DN125	UPVC	EPDM	5
PA BV UPVC 6 EP	DN150	UPVC	EPDM	6
PA BV UPVC 8 EP	DN200	UPVC	EPDM	8
PA BV UPVC 10 EP	DN250	UPVC	EPDM	10
PA BV UPVC 12 EP	DN300	UPVC	EPDM	12

Options:

Valve in UPVC, CPVC, PPH, PVDF.
Viton seals on request.

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KLD Modulating Valves

Standard Features:

- Positioning Valve for Flow Control
- 4-20mA Control Input
- LCD Display of Valve Position
- Adjustable Speed
- Forward or Reverse Action
- Special Motor, Extra Long Life Roller Bearings up to 500,000 Cycles
- Low Power Consumption
- 4-20mA Feedback Signal for Valve Position
- Manual Override
- IP54
- Electronic Flow Characteristics Adjustment
- 12 Month Warranty*

Models:

Model	Connections BSP mm	Bore Diameter mm	Valve Body	Voltage	
KLD20T XV DN10 SS 24	DN10	10	304SS	24	DC
KLD20T XV DN15 SS 24	DN15	15	304SS	24	DC
KLD20T XV DN20 SS 24	DN20	20	304SS	24	DC
KLD20T XV DN25 SS 24	DN25	25	304SS	24	DC
KLD200T XV DN32 SS 24	DN32	32	304SS	24	DC
KLD200T XV DN40 SS 24	DN40	40	304SS	24	DC
KLD200T XV DN50 SS 24	DN50	50	304SS	24	DC

Note: Available in 4-20mA or 0-5V

Options:

Flow linearisation orifice options.

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Section 21 Flow

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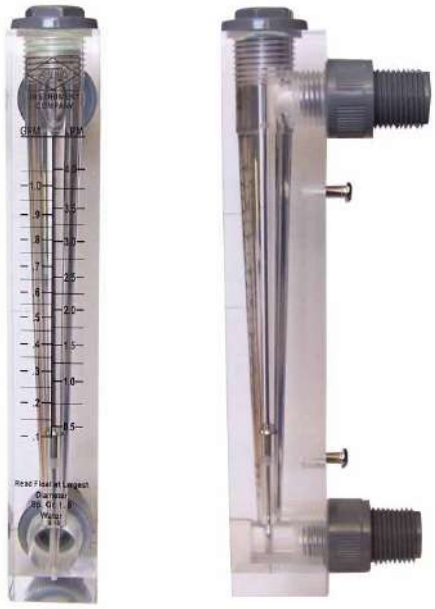
LZM Series

Panel Mounting Rotameters

Standard Features:

- Constructed of Stainless Steel, Acrylic & ABS
- Dual Scales in Litres & Gallons Per Minute
- Maximum Working Pressure 10 Bar
- Maximum Temperature 60°C
- BSP Pipe Threads
- Suitable for Water & Compatible Liquids with an SG of 1
- 12 Month Warranty*



Models:

Model	Flow Rate	Dimensions HxWxD mm	Connections inch
LZM15-4	0.5 to 4 l/m	220 x 32 x 38	1/2 BSP
LZM15-8	0.8 to 8 l/m	220 x 32 x 38	1/2 BSP
LZM15-11	1 to 11 l/m	220 x 32 x 38	1/2 BSP
LZM15-18	2 to 18 l/m	220 x 32 x 38	1/2 BSP
LZM15-28	2 to 28 l/m	220 x 32 x 38	1/2 BSP
LZM20-40	8 to 40 l/m	233 x 39 x 44	3/4 BSP
LZM20-60	8 to 60 l/m	233 x 39 x 44	3/4 BSP
LZM20-80	8 to 80 l/m	233 x 39 x 44	3/4 BSP
LZM25-60	6 to 60 l/m	250 x 45 x 50	1 BSPT male
LZM25-170	20 to 170 l/m	250 x 45 x 50	1 BSPT male

Options:

Smaller and larger sizes, alternative flow ranges and alternative materials are available on request.

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LZM-T Series

Panel Mounting Rotameters with Flow Control

Standard Features:

- Built-in Flow Control Valve
- Constructed Metal, Acrylic & ABS
- Dual Scales in Litres & Gallons Per Minute
- Maximum Working Pressure 10 Bar
- Maximum Temperature 60°C
- BSP Pipe Threads
- Suitable for Water & Compatible Liquids with an SG of 1
- 12 Month Warranty*

Models:

Model	Flow Rate	Dimensions HxWxD mm	Connections inch
LZM4T-60	6 to 60 ml/m	94 x 27 x 21	6mm tube
LZM8T-25	2.5 to 25 l/h	110 x 25 x 25	1/4 BSP
LZM8T-45	5 to 45 l/h	110 x 25 x 25	1/4 BSP
LZM8T-60	6 to 60 l/h	110 x 25 x 25	1/4 BSP
LZM15ZT-100	10-100 l/h	175 x 35 x 32	1/2 BSP
LZM15ZT-160	16-160 l/h	175 x 35 x 32	1/2 BSP
LZM15ZT-4	0.5 to 4 l/m	175 x 35 x 32	1/2 BSP
LZM15ZT-7	0.7 to 7 l/m	175 x 35 x 32	1/2 BSP
LZM15ZT-11	1 to 11 l/m	175 x 35 x 32	1/2 BSP
LZM15ZT-18	2 to 18 l/m	175 x 35 x 32	1/2 BSP
LZM20T-40	8 to 40 l/m	233 x 39 x 44	3/4 BSP
LZM25ZT-60	6 to 60 l/m	234 x 45 x 46	1 BSP
LZM25ZT-170	17 to 170 l/m	234 x 45 x 46	1 BSP

Options:

Smaller and larger sizes, alternative flow ranges and alternative materials are available on request.
Available with stainless steel valve on request.

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LZM-SW Series

Panel Mounting Rotameters with Alarm Limit Switch

Standard Features:

- Available with Low and/or High Flow Limit Switches
- Constructed of Stainless Steel, Acrylic & ABS
- Dual Scales in Litres & Gallons Per Minute
- Maximum Working Pressure 10 Bar
- Maximum Temperature 60°C
- BSP Pipe Threads
- Suitable for Water & Compatible Liquids with an SG of 1
- 12 Month Warranty*

Models:

Model	Flow Rate	Dimensions HxWxD mm	Connections Inch
LZM25-35SW	5 to 35 l/m	250 x 45 x 50	1 BSP
LZM25-50SW	10 to 50 l/m	250 x 45 x 50	1 BSP
LZM25-60SW	6 to 60 l/m	250 x 45 x 50	1 BSP
LZM25-100SW	10 to 100 l/m	250 x 45 x 50	1 BSP
LZM25-130SW	10 to 130 l/m	250 x 45 x 50	1 BSP
LZM25-170SW	10 to 170 l/m	250 x 45 x 50	1 BSP

Options:

Smaller and larger sizes, alternative flow ranges and alternative materials are available on request.

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LZM-G Series

In-Line Rotameters

Standard Features:

- Constructed of Stainless Steel, Acrylic & ABS
- Dual Scales in Litres & Gallons Per Minute
- Maximum Working Pressure 10 Bar
- Maximum Temperature 60°C
- BSP Pipe Threads
- Suitable for Water & Compatible Liquids with an SG of 1
- 12 Month Warranty*

Models:

Model	Flow Rate	Dimensions HxØ mm	Connections inch
LZM10G-45	5 to 45 l/h	187 x 22	1/2 BSP
LZM10G-60	6 to 60 l/h	187 x 22	1/2 BSP
LZM15G-4	0.4 to 4 l/m	210 x 32	1/2 BSP
LZM15G-7	0.7 to 7 l/m	210 x 32	1/2 BSP
LZM15G-18	1.8 to 18 l/m	210 x 32	1/2 BSP
LZM20G-36	4 to 36 l/m	278 x 44	3/4 BSP
LZM25G-70	10 to 70 l/m	265 x 51	1 BSP
LZM40G-170	20 to 170 l/m	306 x 51	1-1/2 BSP
LZM40G-220	80 to 220 l/m	306 x 51	1-1/2 BSP
LZM50G-300	80 to 300 l/m	380 x 75	2 BSP
LZM50G-450	150 to 450 l/m	380 x 75	2 BSP
LZM50G-750	220 to 750 l/m	380 x 75	2 BSP

Options:

Smaller and larger sizes, alternative flow ranges and alternative materials are available on request.

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LZS Series

In-Line Rotameter

Standard Features:

- Tapered Tube is Chemical Resistant AS Plastic
- Float is ABS
- Guide is 316SS, PTFE on request
- End Connections are PVC, ABS on request
- Union Connections for Easy Disassembly & Cleaning
- Accuracy ±4%
- Temperature Range 0-60°C
- Pressure Maximum 6 Bar
- 12 Month Warranty*

Models:

Model	Flow Rate	Dimensions H x nominal Ø mm	Connections Inch
LZS15D-50	5 to 50 l/h	202 x 15	1/2 BSP
LZS15D-100	10 to 100 l/h	202 x 15	1/2 BSP
LZS15D-250	25 to 250 l/h	202 x 15	1/2 BSP
LZS15D-500	50 to 500 l/h	202 x 15	1/2 BSP
LZS15D-1000	100 to 1000 l/h	202 x 15	1/2 BSP
LZS25D-1000	100 to 1000 l/h	226 x 25	3/4 BSP
LZS25D-1600	160 to 1600 l/h	226 x 25	3/4 BSP
LZS25D-2500	250 to 2500 l/h	226 x 25	3/4 BSP
LZS32D-6	0.6 to 6 m^3/h	288 x 32	1 BSP
LZS50D-16	1.6 to 16 m^3/h	341 x 50	1-1/2 BSP
LZS65D-40	4 to 40 m^3/h	430 x 65	2 BSP
LZS65D-60	6 to 60 m^3/h	430 x 65	2 BSP
LZS100D-120	12 to 120 m^3/h	550 x 100	Flange

Options:

D=short type with float guide. Also available in long version without guide.
Available with flange connections.
Body available in polysulphone, fittings available in PVC, floats available in SS for higher temperatures.
Available up to DN150 and flowrates to 200 m^3/h.

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LZS-SW Series

In-Line Rotameter with Alarm Limit Switches

Standard Features:

- Tapered Tube is Chemical Resistant AS Plastic
- Float is ABS
- Guide is 316SS, PTFE on request
- End Connections are PVC, ABS on request
- Union Connections for Easy Disassembly & Cleaning
- Accuracy ±4%
- Temperature Range 0-60°C
- Pressure Maximum 6 Bar
- 12 Month Warranty*

Models:

Model	Flow Rate	Dimensions H x nominal Ø mm	Connections inch
LZS15D-50SW	5 to 50 l/h	202 x 15	1/2 BSP
LZS15D-100SW	10 to 100 l/h	202 x 15	1/2 BSP
LZS15D-250SW	25 to 250 l/h	202 x 15	1/2 BSP
LZS15D-500SW	50 to 500 l/h	202 x 15	1/2 BSP
LZS15D-1000SW	100 to 1000 l/h	202 x 15	1/2 BSP
LZS25D-1000SW	100 to 1000 l/h	226 x 25	3/4 BSP
LZS25D-1600SW	160 to 1600 l/h	226 x 25	3/4 BSP
LZS25D-2500SW	250 to 2500 l/h	226 x 25	3/4 BSP
LZS32D-6SW	0.6 to 6 m^3/h	288 x 32	1 BSP
LZS50D-16SW	1.6 to 16 m^3/h	341 x 50	1-1/2 BSP

Options:

D=short type with float guide. Also available in long version without guide.
Available with flange connections.
Body available in polysulphone, fittings available in PVC, floats available in SS for higher temperatures.
Available up to DN150 and flowrates to 200 m^3/h.

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EMEC Pulse Output Water Meters

Standard Features:

- Brass Body - 15 to 40mm
- Epoxy Coated Cast Iron Body - 50mm
- Union Connections
- Reed Switch for Pulse Output
- BNC Connector, for Direct Connection to EMEC Pumps
- 12 Month Warranty*

Models:

CATFI Cold Water Meters with Dry Dial
Maximum Temperature 30°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate l/h	Lowest Reading Unit litres	Fittings inch	Size LxWxH
CATFI15	15	1.5	3	10	0.01	1/2	110 x 80 x 110
CATFI20	20	2.5	5	15	0.01	3/4	130 x 80 x 110
CATFI25	25	3.5	7	20	0.1	1	160 x 100 x 132
CATFI30	30	5	10	20	0.1	1-1/4	180 x 100 x 132
CATFI40	40	10	20	25	0.1	1-1/2	200 x 110 x 137
CATFI50	50	15	30	50	0.5	2	300 x 108 x 131

CATCI Hot Water Meters with Dry Dial
Maximum Temperature 90°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate l/h	Lowest Reading Unit litres	Fittings inch	Size LxWxH
CATCI15	15	1.5	3	10	0.01	1/2	110 x 80 x 110
CATCI20	20	2.5	5	15	0.01	3/4	130 x 80 x 110
CATCI25	25	3.5	7	20	0.1	1	160 x 100 x 132
CATCI30	30	5	10	20	0.1	1-1/4	180 x 100 x 132
CATCI40	40	10	20	25	0.1	1-1/2	200 x 110 x 137
CATCI50	50	15	30	50	0.5	2	300 x 108 x 131

Options:

Pulse output for CATFI, CATCI: 0.25, 0.5, 1, 2.5, 5, 10, 25, 50, 100, 250, 500, 1000 l/pulse.
All Water Meters come with 2.5m cable standard. Longer cable available on request.

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EMEC Pulse Output Water Meters

Standard Features:

- Telfon Coated Brass Body
- Union Connections
- Reed Switch for Pulse Output
- BNC Connector for Direct Connection to EMEC Pumps
- 12 Month Warranty*

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Models:

CATFIT Cold Water Meters with Dry Dial and Internal & External Teflon Coating
Maximum Temperature 30°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate l/h	Lowest Reading Unit litres	Max Pressure Bar	Size LxWxH
CATFIT15	15	1.5	3	10	0.01	16	110 x 80 x 110
CATFIT20	20	2.5	5	15	0.01	16	130 x 80 x 110
CATFIT25	25	3.5	7	20	0.1	16	160 x 100 x 132
CATFIT30	30	5	10	20	0.1	16	180 x 100 x 132
CATFIT40	40	10	20	25	0.1	16	200 x 110 x 137

CATCIT Hot Water Meters with Dry Dial and Internal & External Teflon Coating
Maximum Temperature 90°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate l/h	Lowest Reading Unit litres	Max Pressure Bar	Size LxWxH
CATCIT15	15	1.5	3	10	0.01	16	110 x 80 x 110
CATCIT20	20	2.5	5	15	0.01	16	130 x 80 x 110
CATCIT25	25	3.5	7	20	0.1	16	160 x 100 x 132
CATCIT30	30	5	10	20	0.1	16	180 x 100 x 132
CATCIT40	40	10	20	25	0.1	16	200 x 110 x 137

Options:

Pulse output for CATFIT, CATCIT: 1, 10 or 100 l/pulse. Others available on request.
All Water Meters come with 2.5m cable standard. Longer cable available on request.

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EMEC Flanged Pulse Output Water Meters

Standard Features:

- Epoxy Coated Cast Iron Body
- Flange Connection
- Reed Switch for Pulse Output
- BNC plug for Direct Connection to EMEC Pumps
- 12 Month Warranty*

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Models:

CWFA Flanged Cold Water Meters with Dry Dial
Maximum Temperature 60°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate m^3/h	Lowest Reading Unit litres	Flange inch	Size LxWxH
CWFA50	50	15	100	0.3	1	2	200 x 165 x 214
CWFA65	65	25	100	0.4	1	2-1/2	200 x 185 x 228
CWFA80	80	40	170	0.4	1	3	230 x 200 x 234
CWFA100	100	60	300	0.6	10	4	250 x 200 x 250
CWFA150	150	150	410	1.0	10	6	300 x 283 x 310
CWFA200	200	250	730	2	100	8	350 x 340 x 338
CWFA250	250	400	1400	6	100	10	450 x 406 x 438

CWCA Flanged Hot Water Meters with Dry Dial
Maximum Temperature 130°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate m^3/h	Lowest Reading Unit litres	Flange inch	Size LxWxH
CWCA50	50	15	100	0.3	1	2	200 x 165 x 214
CWCA65	65	25	100	0.4	1	2-1/2	200 x 185 x 228
CWCA80	80	40	170	0.4	1	3	230 x 200 x 234
CWCA100	100	60	300	0.6	10	4	250 x 200 x 250
CWCA150	150	150	410	1.0	10	6	300 x 283 x 310

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EMEC Flanged Pulse Output Water Meters

Standard Features:

- Teflon Coated Cast Iron Body
- Flange Connection
- Reed Switch for Pulse Output
- BNC Plug, for Direct Connection to EMEC Pumps
- 12 Month Warranty*

Models:

CWFAT Flanged Cold Water Meters with Dry Dial & Internal/External Teflon Coating
Maximum Temperature 60°C, 16 Bar

Model	Nominal Diameter mm	Nominal Flow Rate m^3/h	Maximum Flow Rate m^3/h	Minimum Flow Rate m^3/h	Lowest Reading Unit litres	Flange inch	Size LxWxH
CWFAT50	50	15	100	0.3	1	2	200 x 165 x 214
CWFAT65	65	25	100	0.4	1	2-1/2	200 x 185 x 228
CWFAT80	80	40	170	0.4	1	3	230 x 200 x 234
CWFAT100	100	60	300	0.6	10	4	250 x 200 x 250

Options:

Pulse Output Options:
250, 500, 1000 litres per pulse. Others on request.

EMEC KDPV Connection Kit

Model	Description
KDPV	Connection kit to control two proportional pumps with one pulse emitter water meter, cable BNC/BNC 1m.

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Insertion Flow Switch

Paddle Type Flow Switch

Standard Features:

- Maximum Working Pressure 10 Bar
- Maximum Temperature 100°C
- BSP Thread Connection
- For Pipe from 1 to 6 inch Diameter
- Suitable for Water & Compatible Liquids
- Available in Brass or Stainless Steel
- N/O and N/C contact 250VAC 3A
- 12 Month Warranty*

Models:

Model	Flow Rate l/m	Material	Connections Inch
HFS20B	20 - 1800	Brass	3/4 BSP
HFS15S	20 - 1800	Stainless Steel	1/2 BSP

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Section 22 Level

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EMEC Level Lances

Standard Features:

- Tank Top Mounting
- Suitable for Aggressive Chemicals
- 1, 2 or 3 Floats (Signal Switching Only)
- Designed for CNT Chemical Tanks or Similar
- 12 Month Warranty*

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Models:

EMEC Level Lances		
Model	**For Tank Model**	**Tank Height cm**
LALIV40-1	CNT PD50	50
LALIV63-1	CNT PD110	73
LALIV75-1	CNT PD200	85
LALIV108-1	CNT PD500	120
LALIV122-1	CNT PD1000	124

Applications:

For the detection of liquid level or volume in chemical tanks.
Stop, start or alarm limits.

Options:

Available with 2 or 3 floats on request.
Custom sizes up to 2m available.
Specify distance between floats when ordering.

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Submersible Level Transducers

Standard Features:

- Provides a 4-20mA Signal Proportional to Liquid Depth
- Easy Installation
- 2 Wire Connection
- 24VDC
- 304SS Sensor
- 316SS Diaphragm
- 12 Month Warranty*

Models:

Model	Measurement Range metre	Cable Length metre	Connection	Output
CXPTB-1	0 - 1	2	2 wire	4-20mA
CXPTB-2	0 - 2	3	2 wire	4-20mA
CXPTB-5	0 - 5	10	2 wire	4-20mA
CXPTB-10	0 - 10	15	2 wire	4-20mA
CXPTB-JG-2 *	0 - 2	5	2 wire	4-20mA
CXPTB-JG-5 *	0 - 5	10	2 wire	4-20mA

Applications:

Water tanks, wells, lakes, rivers, sewage plants, ground water monitoring.
* for waste water.

Options:

5VDC version, 1-5V output.
Hart protocol.
Measurement ranges up to 200m.
Longer cables on request.
Remote level display.

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Industrial Ultrasonic Level Detectors

Standard Features:

- Non Contact Tank Depth Measurement
- Industrial Cast Aluminium Housing
- LCD Display
- Accuracy ±0.3% of Full Scale
- Dead Band 0.3m
- 24VDC 1.5W
- Output 4-20mA
- Automatic Temperature Compensation
- Programmable Range Setting
- Level of Protection IP65
- 12 Month Warranty*

Models:

Model	Measurement Range metre	Mounting Thread inch	Connection	Output
CXULM GA-2	0 - 2	1-1/2	3 wire	4-20mA
CXULM GA-5	0 - 5	1-1/2	3 wire	4-20mA

Applications:

Water storage tanks, wastewater tanks, sedimentation ponds, environmental monitoring, clarifiers, sludge thickening.

Options:

Measurement ranges also available in 8, 10, 15, 20 or 25m.
LED display.
Explosion proof version.
Corrosion resistant version.
2 wire version.
RS485 (MODBUS) version.
Relay outputs.

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Ultrasonic Level Detectors

Standard Features:

- Non-Contact Tank Depth Measurement
- Programmable
- 24VDC, 1.5W
- Accurate within 1%±
- IP67
- 12 Month Warranty*

PTFE end with viton seal
for corrosive liquids

Models:

Model	Measurement Range mm	Diameter Sensor mm	Sensor End	Output
PICO+100/TF	120 - 1300	22	PTFE	4-20mA

Applications:

Chemical tank level and chemical consumption monitoring.

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Float Switches

Standard Features:

- Polypropylene Body, Rubber Cable
- Operating Temperature 0 - 40°C
- Level of Protection IP68
- 1 Bar
- N/O & N/C
- 20 (8)A, 250VAC
- TUV, CE Approvals
- 12 Month Warranty*

Models:

Compact General Purpose Float Switch			
Model	**Cable Length mtr**	**Dimensions mm**	**Buoyancy ml**
Olympic3D	3	74 x 124 x 38	200
Olympic5D	5	74 x 124 x 38	200
Olympic10D	10	74 x 124 x 38	200

Applications:

Switching pumps, for filling or emptying, alarms or control.

Models:

Heavy Duty BMS Float Switch			
Model	**Cable Length metre**	**Dimensions mm**	**Buoyancy ml**
A5050160	10	156 x 113 x 61	560

Applications:

Suitable for dirty water applications, e.g. chambers with sludge and scum.

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Float Weights

Standard Features:

- Counterweight for Correct Float Operation
- Built-in Reusable Cable Lock
- 12 Month Warranty*

Models:

Model	Description
A5018060	Small weight, to suit Olympic floats
A5018040	Large weight, to suit BMS floats

Option:

Model	Description
Fixing Kit	Fixing kit for floats

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Section 23 Pressure

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Simple Solutions

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Pressure Gauges

Standard Features:

- 63mm Diameter
- Oil Filled
- Stainless Steel Case
- Brass Internals
- Dual Scale
- 0 - 55°C
- 1/4 inch BSP Connection

For water, gasses & other Liquids compatible with brass

Models:

Bottom Entry Pressure Gauge

Model	Pressure Range	
	kPa	PSI
YTN63-200	0 - 200	0 - 30
YTN63-400	0 - 400	0 - 60
YTN63-600	0 - 600	0 - 90
YTN63-800	0 - 800	0 - 120
YTN63-1000	0 - 1000	0 - 150
YTN63-2000	0 - 2000	0 - 300

Back Entry Pressure Gauge

Model	Pressure Range	
	kPa	PSI
YTN63Z-200	0 - 200	0 - 30
YTN63Z-400	0 - 400	0 - 60
YTN63Z-600	0 - 600	0 - 90
YTN63Z-800	0 - 800	0 - 120
YTN63Z-1000	0 - 1000	0 - 150
YTN63Z-2000	0 - 2000	0 - 300

Supplied complete with removable panel mount bracket.

Options:

Enquire about different diameters, different ranges, alternative threads, alternative scales, budget options, gauges with stainless steel internals, gauges for chemical service and vacuum gauges.

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Pressure Transducers

Standard Features:

- 24VDC, 4-20mA
- 2 Wire
- 316 Stainless Steel
- -20 to 125°C
- 1/2 inch NPT Connection
- 34mm Diameter x 75mm High
- IP65

Gas & liquid
pressure measurement

Models:

Model	Pressure kPa	NPT Connection inch	Output	Connection
CXPTB100H-35	0 - 35	1/2	4-20mA	2 Wire
CXPTB100H-100	0 - 100	1/2	4-20mA	2 Wire
CXPTB100H-400	0 - 400	1/2	4-20mA	2 Wire
CXPTB100H-600	0 - 600	1/2	4-20mA	2 Wire
CXPTB100H-1000	0 - 1000	1/2	4-20mA	2 Wire

Options:

Pressure ranges from 10kpa to 100Mpa.
5V version.
Alternative connection options.

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Differential Pressure Transducers

Standard Features:

- 24VDC, 4-20mA
- 2 Wire
- 316 Stainless Steel
- -20 to 125°C
- 1/2 inch NPT Connections
- IP65

Gas & liquid
pressure measurement

Models:

Model	Display	Pressure kPa	NPT Connection inch	Output	Connection
CXPTB-160	x	0 - 160	1/2	4-20mA	2 Wire
CXPTB-162	✓	0 - 160	1/2	4-20mA	2 Wire

Options:

Alternate Pressure ranges.
5V version
Alternative connection options.

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Section 24 Testing

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Water Quality Test Strips

Recommended for end users, our test strips provide an easy, non technical method of checking for common water problems and for verifying the performance of water treatment equipment.

Models:

Model	No. of Tests	Testing Parameters	Ranges
480005	50	Alkalinity - Total + pH	TA: 0, 80, 120, 180, 240, 360 ppm pH: 6-9 pH
480007	30	Total Chlorine Ultra Low	<0.01, 0.01, 0.015, 0.02, 0.025, 0.05 ppm
480010	50	Chlorine - Total	0, 0.05, 0.1, 0.15, 0.2, 0.5, 0.8, 1, 4, 10 ppm
481026	50	Chlorine - Free	0, 0.05, 0.1, 0.2, 0.4, 0.6, 0.8, 1.2, 1.5, 2, 2.6, 4, 6 ppm
480022	50	Chlorine - Free HR	0, 1, 2, 5, 10, 20, 30, 40, 80, 120 ppm
481028	50	Chlorine Dioxide	Two methods provide two ranges: 0 to 0.3, 0 to 1.6 ppm
480031	50	Chlorine Dioxide HR	0, 0.5, 2, 5, 10, 25, 50, 100 ppm
480008	50	Hardness - Total	0, 40, 80, 120, 180, 250, 425, 1000 ppm
480025	25	Iron	0, 0.02, 0.05, 0.1, 0.2, 0.3, 0.5, 0.75, 1, 2, 5 ppm
481020	24	Manganese	0.05, 0.1, 0.2, 0.5, 1, 2 ppm
480009	50	Nitrate, Nitrite	NO2: 0.15, 0.3, 1, 1.5, 3, 10 ppm NO3: 0.5, 2, 5, 10, 20, 50 ppm
481234	50	Ozone	0, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5 ppm
480036	50	Peracetic Acid High	0, 250, 500, 1000, 2000, >2000, >3000 ppm
480014	50	Peroxide	0, 0.5, 2, 5, 10, 25, 50, 100 ppm
481104	50	pH - Extended Range	2, 3, 4, 5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 11, 12 pH
482029	50	Total Dissolved Solids	<50, 100, 250, 500, >750 ppm

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Water Quality Test Strips

Pool & Spa

Designed with the Pool and Spa owners in mind, Pool Check™ test strips offer quick and reliable results. Pool Check™ offers a wide range of multi-parameter tests to suit all your customers' needs.

Models:

Model	Description	No. of Tests	Testing Parameters	Ranges
481335	Pool Check™ 3in1	50	Free Chlorine	0, 0.5, 1, 3, 5, 10, 20 ppm
			pH	6, 6.4, 6.8, 7.2, 7.6, 8.2, 9 pH
			Total Alkalinity	0, 40, 80, 120, 180, 240, 360 ppm
481336	Spa Check™ 3in1	50	Total Bromine	0, 1, 3, 6, 9, 12, 20 ppm
			pH	6, 6.4, 6.8, 7.2, 7.6, 7.8, 8.2, 9 pH
			Total Alkalinity	0, 40, 80, 120, 180, 240, 360 ppm
481330	Pool Check™ 6in1	50	Free Chlorine	0, 0.5, 1, 3, 5, 10, 20 ppm
			Total Chlorine/ Total Bromine	0, 0.5, 1, 3, 5, 10 ppm
			pH	6, 6.8, 7.2, 7.6, 7.8, 8.2, 9 pH
			Total Alkalinity	0, 40, 80, 120, 180, 240, 360 ppm
			Total Hardness	0, 50, 120, 200, 400, 1000 ppm
			Cyanuric Acid	0, 50, 100, 150, 300 ppm

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

Aqua Products Ltd
Simple Solutions

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Water Hardness Testing

Standard Features:

- Hardness Yes/No Tablets
- Easy to Use
- Quick Water Softener Test

Models:

Model	Description	No. of Tests
AD-1012	Palintest[R] water hardness Yes/No test tablets	250 Tablets

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Aqua Products Ltd
Simple Solutions

Exact EZ Water Testers

Photometers

Standard Features:

- Economical Digital Meters for Measuring Multiple Parameters
- For Pools, Process & Drinking Water
- LCD Display of Measured Value
- Easy Safe Reagent Strip Technology
- Waterproof IP67

Models:

Model	Description	Testing Parameters	Ranges	Reagent Code
486201	Exact EZ Pool Photometer	Alkalinity	10 - 200 ppm	486641
		Calcium Hardness	20 - 700 ppm	486629
		Chloride - Salt	80 - 6700 ppm	486757
		Chlorine - Free	0 - 12 ppm	486637
		Chlorine - Combined	0 - 12 ppm	486638
		Copper	0 - 9 ppm	486632
		Cyanuric Acid	1 - 110 ppm	481652-III
		pH	6.4 - 8.4 pH	486639-II
		Phosphate	0.2 - 3 ppm	486814
486203	Exact EZ Well Photometer	Alkalinity	10 - 200 ppm	486641
		Hardness - Total High	60 - 600 ppm	486656
		Iron - Total	0.03 - 8 ppm	486650
		Nitrate	0.25 - 32 ppm	486655
		pH	6.4 - 8.4 pH	486639-II
486205	Exact EZ Chlorine Plus Photometer	Total Bromine	0 - 17 ppm	486644
		Chlorine Dioxide	0 - 6 ppm	486633
		Chlorine - Free	0 - 12 ppm	486637
		Chlorine - Total	0 - 12 ppm	486670
		Chlorine - High	1 - 200 ppm	486672
		Hydrogen Peroxide	0.5 - 130 ppm	486648
		Ozone	0 - 2 ppm	486634
		Peracetic Acid	2 - 590 ppm	486675
		pH	6.4 - 8.4 pH	486639-II

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Aqua Products Ltd
Simple Solutions

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Exact Multi-Function Water Tester

Photometer

Standard Features:

- Ideal For Drinking Water, Pools, Environmental & Educational Testing
- Multiple Parameters Available
- LCD Display of Measured Value
- Bluetooth Communication

Models:

Model	Description	Testing Pararmeters	Ranges	Reagent Code
486700-WD Kit	Exact Micro 20 Dual Wavelength* Well Driller 525 & 638nm	Total Iron	0.03 - 6 ppm	486650
		Free Chlorine	0.01 - 6.2 ppm	486637
		Total Chlorine	0.01 - 6.2 ppm	486670
		Total Alkalinity	8 - 200 ppm	486641
		Total Hardness	60 - 600 ppm	486656
		pH	5.8 - 8.5 pH	486639
		Copper	0 - 11 ppm	486632
		Manganese	0.02 - 1.5 ppm	486606

The Exact Micro 20 Meter can be used for additional parameters by purchasing additional reagents including:

Aluminium, ammonia, calcium hardness, chloride, chlorine dioxide, cyanide, fluoride, permanganate, nitrites, nitrates, phosphates, ozone, peracetic acid, sulphates and sulphides.

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Exact iDip Tester

Standard Features:

- Multiple Parameter Digital Tester
- Uses Exact Reagent Strips
- Bluetooth Enabled for Communication
- LCD Display of Measured Value
- Download the App from the App Store
- Transfer Test Results to Smart Phone with Date Stamp & Location
- Store Results Indefinitely
- Send Results by Text, Email etc

Models:

Model	Description
486101	iDip Tester

Pre-installed tests are total alkalinity, free chlorine, combined chlorine and pH.

Further test methods are downloaded as required from the App Store.
Tests are added to the App Store for download as they are developed.
There are over 41 parameters available.

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Simple Solutions

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Exact Photometer Reagent Strips

Models:

Model	No. of Tests	Testing Parameters	Ranges
486641	100	Alkalinity - Total	10 - 210 ppm
486632	50	Copper	0 - 9 ppm
486656	50	Total Hardness - High Range	60 - 600 ppm
486629	100	Calcium Hardness	20 - 400 ppm
486757	100	Chloride - Salt	3 - 270 ppm / 50 - 5400 ppm
486633	100	Chlorine Dioxide - DPD1	0.04 - 7 ppm
486638	100	Combined Chlorine - DPD3	0.01 - 6.2 ppm
486637	100	Free Chlorine - DPD1	0 - 6 ppm
486672	50	Chlorine - High Range	1 - 300 ppm
486670	100	Total Chlorine - DPD4	0.01 - 6.2 ppm
481652-III	60	Cyanuric acid	1 - 110 ppm

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Aqua Products Ltd
Simple Solutions

Exact Photometer Reagent Strips

Models:

Model	No. of Tests	Testing Parameters	Ranges
486648	50	Hydrogen Peroxide	0.3 - 100 ppm
486650	50	Iron Total	0.03 - 6 ppm
486606	24	Manganese	0.01 - 1.5 ppm
486655	50	Nitrate - as NO3	0.01 - 30 ppm
486634	100	Ozone - DPD4	0.01 - 2 ppm
486675	100	Peracetic Acid - High Range	0.01 - 430 ppm
486639	100	pH	6.2 - 8.4 pH
486639-II	100	pH - for iDip	6 - 8.5 pH
486814	50	Phosphate	0.03 - 4 ppm

More parameters available on request.

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Aqua Products Ltd
Simple Solutions

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Handheld Tester

pH / Temperature Meter

Standard Features:

- Hand Held Tester with Built-in Temperature
- Water Resistant
- Simultaneous Temperature Display
- LCD Display
- Automatic Calibration at 4, 7, 10 pH
- Auto-off and Data-hold Function
- Low Battery Indicator
- Automatic Temperature Compensation
- 1 Year Warranty*

Measures pH & Temperature

- potable water, pools & spas, aquariums, process water.

Model:

Model	Measuring Range	Resolution	Accuracy
pH80	0 - 14 pH 1 - 55°C	0.1 pH 0.1°C	± 0.2 pH Temp ± 2%

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Aqua Products Ltd
Simple Solutions

Handheld Tester

EC / TDS / Temperature Meter

Standard Features:

- Professional Grade Hand Held Tester
- Waterproof Housing IP67 (submersible/floats)
- LCD Display with Simultaneous Temp Reading
- Auto-off & Data-hold Function
- Low Battery Indicator
- Automatic Temperature Compensation
- Replaceable Sensor
- 1 Year Warranty*

Measures Conductivity, Total Dissolved Solids & Temperature

- potable water, wastewater, pools & spas, aquariums, process water.

Model:

Model	Measuring Range		Resolution	Accuracy
COM100	EC:	0 – 9990 µS 0 – 9.99 mS	0.1 µS (0 – 99) 1 µS (100 – 999) 10 µS (1000 – 9990) 0.01 mS (0 – 9.99)	+/- 2%
	TDS:	0 – 8560 ppm (0.7 Scale) 0 – 5000 ppm (0.5 Scale) 0 – 8.56 ppt (0.7 Scale) 0 – 5.00 ppt (0.5 Scale)	0.1 ppm (0 – 99) 1 ppm (100 – 999) 10 ppm (1000 – 8560) 0.01 ppm (0 – 8.56)	
	TEMP:	0 – 55 °C	0.1 °C	

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Aqua Products Ltd
Simple Solutions

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Handheld Tester

TDS / EC Meters

Standard Features:

- Hand Held Tester
- LCD Display
- Hold Function
- Built-in Digital Thermometer
- Automatic Temperature Compensation
- 1 Year Warranty*

Measures Conductivity & Temperature

- potable water, pools & spas, aquariums, process water.

Model:

Model	Measuring Range	Resolution	Accuracy
TDS3	0 - 9990 ppm (mg/L) 0 - 80°C	1 ppm (0 – 999) 10 ppm (1000 – 9990) Temp 0.1 °C	± 2% (0 – 5000 ppm)
EC3	0 - 9990 µS (µS/cm) 0 - 80°C	1 µS (0 – 999) 10 µS (1000 – 9990) Temp 0.1 °C	± 2%

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Aqua Products Ltd
Simple Solutions

In-Line TDS Monitors

Standard Features:

- In-Line TDS Meter
- LCD Display
- 1/4 inch T-Fitting, also available 3/8 & 1/2
- Installs in Minutes
- Automatic Temperature Compensation
- 1 Year Warranty*

In-Line Total Dissolved Solids Monitor

Displays the TDS level of a single water line.
Ideal for knowing instantly if your water purification system is performing or not.

Model	Measuring Range	Resolution	Accuracy	Sensor Cable cm	Dimensions cm
SM-1	0 - 9990 ppm	1 ppm	+/- 2%	62	7.6 x 2 x 4.7

Large easy to read LCD display, splash proof housing.

Dual In-Line Total Dissolved Solids Monitor

Displays instant TDS levels of the feed water and purified water with in & out electrode probes.
Ideal for knowing instantly if your water purification system is performing or not.

Model	Measuring Range	Resolution	Accuracy	Sensor Cable cm	Dimensions cm
DM-2	0 - 9990 ppm	1 ppm	+/- 2%	116	11.6 x 6.8 x 1.8

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Aqua Products Ltd
Simple Solutions

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Calibration & Maintenance Solutions

pH Buffer Solutions

Sensorex pH buffers. These buffers are NIST traceable and accurate to within ± 0.01 pH units at 25°C, and remain stable over long periods of time.

Model	Description	Volume ml
B104	pH4.01 buffer solution Red	473
B107	pH7.00 buffer solution Yellow	473
B110	pH10.00 buffer solution Blue	473

EMEC pH Buffer Solutions

Model	Description	Volume ml
BSA	pH4 buffer solution	50
BSB	pH7 buffer solution	50
BSC	pH9 buffer solution	50

EMEC Redox (ORP) Buffer Solution

Model	Description	Volume ml
BSD	Redox (ORP) buffer solution 650mV	50

EMEC Conductivity Buffer Solutions

Model	Description	Volume ml
BSI	Conductivity buffer solution 12880uS @ 25°C	50
BSE	Conductivity buffer solution 1413uS @ 25°C	50
BSE84	Conductivity buffer solution 84uS @ 25°C	50

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Section 25 Resin & Media

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Ion Exchange Resin, Filter Media & Consumables Page 1

Aqua Products Ltd
Simple Solutions

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Ion Exchange Resin & Filter Media

Ion Exchange Resin

Model	Description	Volume L/Bag
RX-KW8	Water Softener Resin	25
RX-MX2	Mixed Bed De-ionizing Resin	25
RX-NR1	Nitrate Removal Resin	25
RX-TP9002	Arsenic Removal Resin	25

Many more specialised resins are available on request.

Filter Media

Model	Description	Quantity kg
35304	0.6-1.2mm Filter Sand	25
35303	Under-Bed Gravel	20
3534010	Anthracite Filter Media	23
PYROLOX	Pyrolox Iron & Manganese Removal Media	27

Consumables

Model	Description	Volume kg
H200	Granular Activated Carbon	25
CALCITE	Calcite pH Correction Media	23
SALT22	Grade 22 Salt	25

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Aqua Products Ltd
Simple Solutions

UPVC Schedule 80 Pipe Fittings

Standard Features:

- Schedule 80 PVC Fittings
- ANSI American Pipe Standard
- Manufactured in Grey UPVC
- Superior Strength & UV Stabilised
- Operating Pressure 10 Bar
- Operating Temperature <50°C

Often used in water treatment plant rooms and assemblies for a high strength, durable & attractive finish. Suitable for most chemicals. Check compatibility with specific chemicals before use.

90 Degree Equal Elbows

Model	Material	Description	Size inch	Type
SCH80 ELB90 1/2	UPVC	90° Elbow	1/2	SxS
SCH80 ELB90 3/4	UPVC	90° Elbow	3/4	SxS
SCH80 ELB90 1	UPVC	90° Elbow	1	SxS
SCH80 ELB90 1-1/4	UPVC	90° Elbow	1-1/4	SxS
SCH80 ELB90 1-1/2	UPVC	90° Elbow	1-1/2	SxS
SCH80 ELB90 2	UPVC	90° Elbow	2	SxS

45 Degree Equal Elbows

Model	Material	Description	Size inch	Type
SCH80 ELB45 1/2	UPVC	45° Elbow	1/2	SxS
SCH80 ELB45 3/4	UPVC	45° Elbow	3/4	SxS
SCH80 ELB45 1	UPVC	45° Elbow	1	SxS
SCH80 ELB45 1-1/4	UPVC	45° Elbow	1-1/4	SxS
SCH80 ELB45 1-1/2	UPVC	45° Elbow	1-1/2	SxS
SCH80 ELB45 2	UPVC	45° Elbow	2	SxS

Equal Tees

Model	Material	Description	Size inch	Type
SCH80 TEE 1/2	UPVC	90° Tee	1/2	SxSxS
SCH80 TEE 3/4	UPVC	90° Tee	3/4	SxSxS
SCH80 TEE 1	UPVC	90° Tee	1	SxSxS
SCH80 TEE 1-1/4	UPVC	90° Tee	1-1/4	SxSxS
SCH80 TEE 1-1/2	UPVC	90° Tee	1-1/2	SxSxS
SCH80 TEE 2	UPVC	90° Tee	2	SxSxS

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Aqua Products Ltd
Simple Solutions

UPVC Schedule 80 Pipe Fittings

Standard Features:

- Schedule 80 PVC Fittings
- ANSI American Pipe Standard
- Manufactured in Grey UPVC
- Superior Strength & UV Stabilised
- Operating Pressure 10 Bar
- Operating Temperature <50°C

Often used in water treatment plant rooms and assemblies for a high strength, durable & attractive finish. Suitable for most chemicals. Check compatibility with specific chemicals before use.

Male Adaptors

Model	Material	Description	Size inch	Type
SCH80 MADPT 1/2	UPVC	Male Adaptor	1/2	SxT NPT
SCH80 MADPT 3/4	UPVC	Male Adaptor	3/4	SxT NPT
SCH80 MADPT 1	UPVC	Male Adaptor	1	SxT NPT
SCH80 MADPT 1-1/4	UPVC	Male Adaptor	1-1/4	SxT NPT
SCH80 MADPT 1-1/2	UPVC	Male Adaptor	1-1/2	SxT NPT
SCH80 MADPT 2	UPVC	Male Adaptor	2	SxT NPT

Female Adaptors

Model	Material	Description	Size inch	Type
SCH80 FADPT 1/2	UPVC	Female Adaptor	1/2	SxT NPT
SCH80 FADPT 3/4	UPVC	Female Adaptor	3/4	SxT NPT
SCH80 FADPT 1	UPVC	Female Adaptor	1	SxT NPT
SCH80 FADPT 1-1/4	UPVC	Female Adaptor	1-1/4	SxT NPT
SCH80 FADPT 1-1/2	UPVC	Female Adaptor	1-1/2	SxT NPT
SCH80 FADPT 2	UPVC	Female Adaptor	2	SxT NPT

Union Connectors

Model	Material	Description	Size inch	Type
SCH80 UNION 1/2	UPVC	Union	1/2	SxS
SCH80 UNION 3/4	UPVC	Union	3/4	SxS
SCH80 UNION 1	UPVC	Union	1	SxS
SCH80 UNION 1-1/4	UPVC	Union	1-1/4	SxS
SCH80 UNION 1-1/2	UPVC	Union	1-1/2	SxS
SCH80 UNION 2	UPVC	Union	2	SxS

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Aqua Products Ltd
Simple Solutions

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UPVC Schedule 80 Pipe Fittings

Standard Features:

- Schedule 80 PVC Fittings
- ANSI American Pipe Standard
- Manufactured in Grey UPVC
- Superior Strength & UV Stabilised
- Operating Pressure 10 Bar
- Operating Temperature <50°C

Often used in water treatment plant rooms and assemblies for a high strength, durable & attractive finish. Suitable for most chemicals. Check compatibility with specific chemicals before use.

Straight Couplers

Model	Material	Description	Size inch	Type
SCH80 CPL 1/2	UPVC	Straight Coupler	1/2	SxS
SCH80 CPL 3/4	UPVC	Straight Coupler	3/4	SxS
SCH80 CPL 1	UPVC	Straight Coupler	1	SxS
SCH80 CPL 1-1/4	UPVC	Straight Coupler	1-1/4	SxS
SCH80 CPL 1-1/2	UPVC	Straight Coupler	1-1/2	SxS
SCH80 CPL 2	UPVC	Straight Coupler	2	SxS

Reducing Bushes

Model	Material	Description	Size - inch		Type
			From	To	
SCH80 RB SXT 1/2 >1/4	Sch80 UPVC	Reducing Bush	1/2	1/4	SxT
SCH80 RB SXT 3/4>1/2	Sch80 UPVC	Reducing Bush	3/4	1/2	SxT
SCH80 RB SXT 1>1/2	Sch80 UPVC	Reducing Bush	1	1/2	SxT
SCH80 RB SXT 1>3/4	Sch80 UPVC	Reducing Bush	1	3/4	SxT
SCH80 RB SXS 3/4>1/2	Sch80 UPVC	Reducing Bush	3/4	1/2	SxS
SCH80 RB SXS 1>1/2	Sch80 UPVC	Reducing Bush	1	1/2	SxS
SCH80 RB SXS 1>3/4	Sch80 UPVC	Reducing Bush	1	3/4	SxS
SCH80 RB SXS 1-1/4>3/4	Sch80 UPVC	Reducing Bush	1-1/4	3/4	SxS
SCH80 RB SXS 1-1/4>1	Sch80 UPVC	Reducing Bush	1-1/4	1	SxS
SCH80 RB SXS 1-1/2>1-1/4	Sch80 UPVC	Reducing Bush	1-1/2	1-1/4	SxS
SCH80 RB SXS 2>1-1/2	Sch80 UPVC	Reducing Bush	2	1-1/2	SxS

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Aqua Products Ltd
Simple Solutions

UPVC Schedule 80 Pipe Fittings

Standard Features:

- Schedule 80 PVC Fittings
- ANSI American Pipe Standard
- Manufactured in Grey UPVC
- Superior Strength & UV Stabilised
- Operating Pressure 10 Bar
- Operating Temperature <50°C

Often used in water treatment plant rooms and assemblies for a high strength, durable & attractive finish. Suitable for most chemicals. Check compatibility with specific chemicals before use.

Van Stone Flanges

Model	Material	Description	Size inch	Type
SCH80 FLANGE 1/2	UPVC	Van Stone Flange	1/2	S
SCH80 FLANGE 3/4	UPVC	Van Stone Flange	3/4	S
SCH80 FLANGE 1	UPVC	Van Stone Flange	1	S
SCH80 FLANGE 1-1/4	UPVC	Van Stone Flange	1-1/4	S
SCH80 FLANGE 1-1/2	UPVC	Van Stone Flange	1-1/2	S
SCH80 FLANGE 2	UPVC	Van Stone Flange	2	S
SCH80 FLANGE 2-1/2	UPVC	Van Stone Flange	2-1/2	S
SCH80 FLANGE 3	UPVC	Van Stone Flange	3	S
SCH80 FLANGE 4	UPVC	Van Stone Flange	4	S

Flange Gaskets

Model	Material	Description	Size inch
FL GASKET 1/2	EPDM	Flange Gasket	1/2
FL GASKET 3/4	EPDM	Flange Gasket	3/4
FL GASKET 1	EPDM	Flange Gasket	1
FL GASKET 1-1/4	EPDM	Flange Gasket	1-1/4
FL GASKET 1-1/2	EPDM	Flange Gasket	1-1/2
FL GASKET 2	EPDM	Flange Gasket	2
FL GASKET 2-1/2	EPDM	Flange Gasket	2-1/2
FL GASKET 3	EPDM	Flange Gasket	3
FL GASKET 4	EPDM	Flange Gasket	4

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Aqua Products Ltd
Simple Solutions

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UPVC Schedule 80 Y Strainer

Standard Features:

- Schedule 80 PVC Y Strainer
- ANSI American Pipe Standard
- Manufactured in Transparent UPVC
- Superior Strength & UV Stabilised
- Operating Pressure 6 Bar
- Operating Temperature <50°C

Course filtration to protect PVC piping systems and components from solids.

Y Strainer

Model	Material	Description	Size inch	Micron Rating	Type
SCH80 YS 1/2	UPVC	Y Strainer	1/2	400	SxS
SCH80 YS 3/4	UPVC	Y Strainer	3/4	300	SxS
SCH80 YS 1	UPVC	Y Strainer	1	210	SxS
SCH80 YS 1-1/4	UPVC	Y Strainer	1-1/4	210	SxS
SCH80 YS 1-1/2	UPVC	Y Strainer	1-1/2	160	SxS
SCH80 YS 2	UPVC	Y Strainer	2	130	SxS

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Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Male Connector

Model	Tube OD	Thread	Colour
HPC 06G02B	6 mm	1/4 inch BSP	Black
HPC 08G02B	8 mm	1/4 inch BSP	Black
HPC 10G02B	10 mm	1/4 inch BSP	Black
HPC 12G04B	12 mm	1/2 inch BSP	Black
HPC 1/4-G02G	1/4 inch	1/4 inch BSP	Grey
HPC 3/8-G03G	3/8 inch	3/8 inch BSP	Grey
HPC 1/2-G04G	1/2 inch	1/2 inch BSP	Grey

Elbow Connector

Model	Tube OD	Tube OD	Colour
HUL 0606B	6 mm	6 mm	Black
HUL 0808B	8 mm	8 mm	Black
HUL 1010B	10 mm	10 mm	Black
HUL 1212B	12 mm	12 mm	Black
HUL 1/4-1/4G	1/4 inch	1/4 inch	Grey
HUL 3/8-3/8G	3/8 inch	3/8 inch	Grey
HUL 1/2-1/2G	1/2 inch	1/2 inch	Grey

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

Aqua Products Ltd
Simple Solutions

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Tee Connector

Model	Tube OD	Tube OD	Tube OD	Colour
HUT 0606B	6 mm	6 mm	6 mm	Black
HUT 0808B	8 mm	8 mm	8 mm	Black
HUT 1010B	10 mm	10 mm	10 mm	Black
HUT 1212B	12 mm	12 mm	12 mm	Black
HUT 1/4-1/4G	1/4 inch	1/4 inch	1/4 inch	Grey
HUT 3/8-3/8G	3/8 inch	3/8 inch	3/8 inch	Grey
HUT 1/2-1/2G	1/2 inch	1/2 inch	1/2 inch	Grey

Straight Connector

Model	Tube OD	Tube OD	Colour
HUC 0606B	6 mm	6 mm	Black
HUC 0808B	8 mm	8 mm	Black
HUC 1010B	10 mm	10 mm	Black
HUC 1212B	12 mm	12 mm	Black
HUC 1/4-1/4G	1/4 inch	1/4 inch	Grey
HUC 3/8-3/8G	3/8 inch	3/8 inch	Grey
HUC 1/2-1/2G	1/2 inch	1/2 inch	Grey

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Bulkhead Connector

Model	Tube OD	Tube OD	Colour
HMM 0606B	6 mm	6 mm	Black
HMM 0808B	8 mm	8 mm	Black
HMM 1010B	10 mm	10 mm	Black
HMM 1212B	12 mm	12 mm	Black
HMM 1/4-1/4G	1/4 inch	1/4 inch	Grey
HMM 3/8-3/8G	3/8 inch	3/8 inch	Grey
HMM 1/2-1/2G	1/2 inch	1/2 inch	Grey

Swivel Elbow

Model	Tube OD	Thread Size	Colour
HRPL 06G02B	6 mm	1/4” BSP	Black
HRPL 08G02B	8 mm	1/4” BSP	Black
HRPL 10G04B	10 mm	1/2” BSP	Black
HRPL 12G04B	12 mm	1/2” BSP	Black

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Stem Elbow

Model	Stem OD	Tube OD	Colour
HLJ 0606B	6 mm	6 mm	Black
HLJ 0808B	8 mm	8 mm	Black
HLJ 1010B	10 mm	10 mm	Black
HLJ 1212B	12 mm	12 mm	Black
HLJ 1/4-1/4G	1/4 inch	1/4 inch	Grey
HLJ 3/8-3/8G	3/8 inch	3/8 inch	Grey
HLJ 1/2-1/2G	1/2 inch	1/2 inch	Grey

Stem Adaptor

Model	Stem OD	Thread	Colour
HCJ 06G02B	6 mm	1/4 inch BSP	Black
HCJ 08G02B	8 mm	1/4 inch BSP	Black
HCJ 10G02B	10 mm	1/4 inch BSP	Black
HCJ 12G04B	12 mm	1/2 inch BSP	Black

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Stem Reducer

Model	Stem OD	Tube OD	Colour
HGJ0604B	6 mm	4 mm	Black
HGJ0806B	8 mm	6 mm	Black
HGJ1008B	10 mm	8 mm	Black
HGJ1210B	12 mm	10 mm	Black
HGJ1/2-3/8G	1/2 inch	3/8 inch	Grey
HGJ3/8-1/4G	3/8 inch	1/4 inch	Grey

Female Connector

Model	Tube OD	Thread	Colour
HCF 06G02B	6 mm	1/4 inch BSP	Black
HCF 08G04B	8 mm	1/2 inch BSP	Black
HCF 08G06B	8 mm	3/4 inch BSP	Black
HCF 10G04B	10 mm	1/2 inch BSP	Black
HCF 10G06B	10 mm	3/4 inch BSP	Black
HCF 12G04B	12 mm	1/2 inch BSP	Black
HCF 1/4G04G	1/4 inch	1/2 inch BSP	Grey
HCF 1/4G06G	1/4 inch	3/4 inch BSP	Grey
HCF 3/8G04G	3/8 inch	1/2 inch BSP	Grey
HCF 3/8G06G	3/8 inch	3/4 inch BSP	Grey
HCF 1/2G04G	1/2 inch	1/2 inch BSP	Grey

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Branch Stem Tee

Model	Stem OD	Tube OD	Colour
HSJ 0606B	6 mm	6 mm	Black
HSJ 0808B	8 mm	8 mm	Black
HSJ 1010B	10 mm	10 mm	Black
HSJ 1212B	12 mm	12 mm	Black
HSJ 1/4-1/4G	1/4 inch	1/4 inch	Grey
HSJ 3/8-3/8G	3/8 inch	3/8 inch	Grey
HSJ 1/2-1/2G	1/2 inch	1/2 inch	Grey

Union Cross

Model	Tube OD	Tube OD	Colour
HZA 0606B	6 mm	6 mm	Black
HZA 0808B	8 mm	8 mm	Black
HZA 1010B	10 mm	10 mm	Black
HZA 1/4-1/4G	1/4 inch	1/4 inch	Grey
HZA 3/8-3/8G	3/8 inch	3/8 inch	Grey

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Stem Barb Connector

Model	Stem OD	Barb OD	Colour
HCJB 0606B	6 mm	6.5 mm	Black
HCJB 0806B	8 mm	6.5 mm	Black
HCJB 1010B	10 mm	10.5 mm	Black
HCJB 1210B	12 mm	10.5 mm	Black
HCJB 1/4-1/4G	1/4 inch	1/4 inch	Grey
HCJB 3/8-3/8G	3/8 inch	3/8 inch	Grey
HCJB 1/2-1/2G	1/2 inch	1/2 inch	Grey

Ball Valve

Model	Tube OD	Tube OD	Colour
HBVU 0606B	6 mm	6 mm	Black
HBVU 0808B	8 mm	8 mm	Black
HBVU 1010B	10 mm	10 mm	Black
HBVU 1212B	12 mm	12 mm	Black
HBVU 1/4-1/4W	1/4 inch	1/4 inch	White
HBVU 3/8-3/8W	3/8 inch	3/8 inch	White
HBVU 1/2-1/2W	1/2 inch	1/2 inch	White

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- NSF Approved Food Grade Materials
- Available in Metric and Imperial Sizes
- Pressure Rating 10-16 Bar (typical)

Suitable for water, beverages, air, compatible liquids & gases.

Please enquire for full technical details.

Flow Control Valve

Model	Tube OD	Tube OD	Colour
HSTU 0606B	6 mm	6 mm	Black
HSTU 1010B	10 mm	10 mm	Black
HSTU 1/4-1/4G	1/4 inch	1/4 inch	Grey
HSTU 3/8-3/8G	3/8 inch	3/8 inch	Grey

Check Valve

Model	Tube OD	Tube OD	Colour
HCVU 0606B	6 mm	6 mm	Black
HCVU 0808B	8 mm	8 mm	Black
HCVU 1010B	10 mm	10 mm	Black
HCVU 1212B	12 mm	12 mm	Black
HCVU 1/4-1/4G	1/4 inch	1/4 inch	Grey
HCVU 3/8-3/8G	3/8 inch	3/8 inch	Grey
HCVU 1/2-1/2G	1/2 inch	1/2 inch	Grey

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CDC Fluidfit Push In Pipe Fittings

Standard Features:

- Stainless Steel 316
- -20 to +150°C
- 18 Bar Pressure Rating

Suitable for industrial water compressed air vacuum.

Male Connector

Model	Tube OD	Thread BSP
SUS PC 12G04	12 mm	1/2 inch

Elbow Connector

Model	Tube OD	Tube OD
SUS PUL 12	12 mm	12mm

Tee Connector

Model	Tube OD	Tube OD	Tube OD
SUS PUT 12	12 mm	12mm	12mm

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CDC Fluidfit PE Tube

Standard Features:

- High Grade LLDPE Food-Safe Material
- Chemical Resistance
- Enhanced Flexibility
- Suitable for use with Fluidfit Push-to-Connect Fittings
- Compliance with FDA Standards
- Temperatrure Range -29°C to +66°C

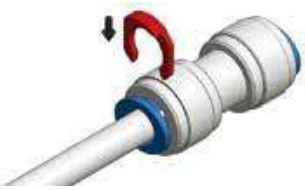
Suitable for:
Pneumatics, water purification, water conditioners, ice makers, misting systems & food contact applications

CDC Tube — metric

Model	Tube Size ID x OD mm	Tube Type	Roll Size mtr
PE 0425	2.5 x 4	Natural	200
PE 0640	4 x 6	Natural	100
PE 0860	6 x 8	Natural	100
PE 1070	7 x 10	Natural	100
PE 1290	9 x 12	Natural	100
PE 15115	11.5 x 15	Natural	50

CDC Tube — inch

Model	Tube Size Inch (OD)	Tube Colour	Roll Size mtr
PE 5/32	5/32	Natural	200
PE 3/16	3/16	Natural	200
PE 1/4	1/4	Natural	100
PE 5/16	5/16	Natural	100
PE 3/8	3/8	Natural	100
PE 1/2	1/2	Natural	100



Options:

Alternative sizes. Alternative colours — natural, white, black, blue, red, yellow and green.

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Section 27 Electrical Connectors

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WEIPU SP13 Series Electrical Connectors	Page 1 & 2
WEIPU WA22 Series Electrical Connectors	Page 3

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SP13 Series Electrical Connectors

Standard Features:

- Plastic Bodied Electrical Connectors
- Waterproof IP68
- Panel Mount & Cord Grip Versions
- Solder Connections

These versatile, compact and economical connectors
are perfect for connection of
sensors, probes & small electrical devices.

SP1310P

SP1310S

SP1311P

SP1312P

SP1312S

Options:

See next page

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SP13 Series Electrical Connectors

Models:

Model	Pin Count	Description		Connects To	Rated Voltage/Amp
SP1310P211C	2	Male	Cord Grip with Cap		250VAC 13A
SP1310S211C	2	Female	Cord Grip with Cap	SP1312P2C	250VAC 13A
SP1311S211C	2	Female	Cord Grip with Cap	SP1310P2C	250VAC 13A
SP1312P2C	2	Male	Panel Mount with Cap		250VAC 13A
SP1312S2C	2	Female	Panel Mount with Cap		250VAC 13A
SP1310 P311C	3	Male	Cord Grip with Cap		250VAC 13A
SP1310 S311C	3	Female	Cord Grip with Cap	SP1312P3C	250VAC 13A
SP1311 S311C	3	Female	Cord Grip with Cap	SP1310P3C	250VAC 13A
SP1312 P3C	3	Male	Panel Mount with Cap		250VAC 13A
SP1312 S3C	3	Female	Panel Mount with Cap		250VAC 13A
SP1310 P411C	4	Male	Cord Grip with Cap		200VAC 5A
SP1310 S411C	4	Female	Cord Grip with Cap	SP1312P4C	200VAC 5A
SP1311 S411C	4	Female	Cord Grip with Cap	SP1310P4C	200VAC 5A
SP1312 P4C	4	Male	Panel Mount with Cap		200VAC 5A
SP1312 S4C	4	Female	Panel Mount with Cap		200VAC 5A
SP1310 P511C	5	Male	Cord Grip with Cap		180VAC 5A
SP1310 S511C	5	Female	Cord Grip with Cap	SP1312P5C	180VAC 5A
SP1311 S511C	5	Female	Cord Grip with Cap	SP1310P5C	180VAC 5A
SP1312 P5C	5	Male	Panel Mount with Cap		180VAC 5A
SP1312 S5C	5	Female	Panel Mount with Cap		180VAC 5A
SP1310 P611C	6	Male	Cord Grip with Cap		125VAC 5A
SP1310 S611C	6	Female	Cord Grip with Cap	SP1312P6C	125VAC 5A
SP1311 S611C	6	Female	Cord Grip with Cap	SP1310P6C	125VAC 5A
SP1312 P6C	6	Male	Panel Mount with Cap		125VAC 5A
SP1312 S6C	6	Female	Panel Mount with Cap		125VAC 5A
SP1310 P711C	7	Male	Cord Grip with Cap		125VAC 5A
SP1310 S711C	7	Female	Cord Grip with Cap	SP1312P7C	125VAC 5A
SP1311 S711C	7	Female	Cord Grip with Cap	SP1310P7C	125VAC 5A
SP1312 P7C	7	Male	Panel Mount with Cap		125VAC 5A
SP1312 S7C	7	Female	Panel Mount with Cap		125VAC 5A

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WA22 Series Electrical Connectors

Standard Features:

- Plastic Bodied Electrical Connectors
- Waterproof IP67
- 4 Pin (3 Pin + Earth)
- 400VAC, 16A Rated
- Panel Mount & Cord Grip Versions
- Screw Terminal Wire Connections

These versatile compact connectors are perfect for field wiring of external loads. With ample voltage and current capability, these waterproof connectors provide a quick disconnect & test point for powered devices such as water pumps, dosing pumps, motorised valves etc.

Models:

4 Pin Connectors

Model	Pin Type	Connection Type		Rated Voltage/Current	IP Rating
WA22J4TE2	4 pin	Male	Cord Grip	400V 16A	IP67
WA22K4ZE2	4 pin	Female	Cord Grip	400V 16A	IP67
WA22J4Z2	4 pin	Male	Panel Mount	400V 16A	IP67
WA22K4Z2	4 pin	Female	Panel Mount	400V 16A	IP67

Options:

7 pin version.

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Section 28 Polymer Systems

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Polymer System

EMEC Poly-Preparator: Compact, Automatic, and Highly Efficient

TetraMix is a modular, fully automatic system engineered for continuous polyelectrolyte preparation from dry polymers. Built for seamless scalability, it maximizes efficiency in civil and industrial wastewater treatment plants. By utilizing advanced technologies—like high-performance brushless motors—and rugged, corrosion-resistant materials (HDPE, PPH, PVC, and AISI 304 stainless steel), TetraMix guarantees superior results in sedimentation, clarification, and sludge dewatering operations.

EXPANDABLE
MODULAR
SYSTEM

Applications:

- Civil and industrial purification plants
- Sludge and wastewater treatment
- Food and beverage sector
- Chemical and pharmaceutical industry
- Processes with: flotation units, decanters, filter presses

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TetraMix Poly-Preparator

Standard Features:

- Modular and Expandable System
- Fully Automatic for Continuous Preparation
- Tank Dimension 1400 x 1400 x 1200mm
- PPH Powder Dosing Unit
- Radar Level Controller
- 4 Blade Propeller Mixer Agitator with brushless motor
- Electrical Control Panel with Ethernet communication
- Alarms for Flow, Level & Emergency Stop

The TetraMix system combines robust material construction with smart automation to deliver reliable, high-efficiency polymer processing:

Maximum Operator Safety: Features a hermetically sealed, expandable hopper container housing a plastic-coated screw conveyor, completely isolating hazardous dry polymer dust.

Premium Chemical Resistance: Built with heavy-duty HDPE tanks and a PPH powder dosing unit for long-term industrial durability.

Energy-Efficient Mixing: Driven by an advanced brushless motor, the four-blade propeller agitator provides ultra-precise speed control while drastically cutting power consumption.

Intelligent Automation: Outfitted with non-contact radar level probes, integrated safety overrides, and a complete hydraulic circuit (meter, solenoid, and control valves) for seamless, autonomous operation.

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Section 29 EMEC Pump Spare Parts

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EMEC Pump Head Codes

Models:

EMEC pump liquid ends are identified by a code.
To select the correct spare parts, identify the code from the list below and then find the parts you need on the pages following.

EMEC Pump Model	Pump Head Code	EMEC Pump Model	Pump Head Code	EMEC Pump Model	Pump Head Code
K series 2001	I	T series 0330	S	VA series 1000.5	JA
K series 1802	L	T series 0150	S	VA series 0704	KA
K series 1504	L	T series 00100	T	VA series 0507.5	KA
K series 1005	L	TA series 2003.2	LA	VA series 0509	KA
K series 0808	L	TA series 0510	NA	VA series 0405.5	KA
K series 0510	L	TA series 0413	NA	VA series 0307	KA
K series 0501	I	TA series 0320	SA	VA series 0213	KA
K series 0218	M	TA series 0135	TA	VA series 0113.5	KA
KA series 1801	LA	V series 2001	J	WD series	K
KA series 1503	LA	V series 1802	K	H series 2001	A
KA series 1003.5	LA	V series 1502	K	H series 1802	A or B*
KA series 1000.5	IA	V series 1504	K	H series 1004	B
KA series 8005.5	LA	V series 1505	K	H series 0706	B
KA series 5007.5	LA	V series 1004	K	H series 0408	B
KA series 0213	MA	V series 1005	K	H series 0216	B
A series 2505	L	V series 1010	K	HA series 2000.5	A (PMMA)
A series 1510	M	V series 0706	K	HA series 1801	A or B* (PMMA)
A series 1015	M	V series 0510	K	F series 1201.5	PCS
A series 0720	N	V series 0512	K	F series 1002.2	PCS
A series 0340	S	V series 0501	J	F series 0703	PCS
A series 0260	T	V series 0408	K	F series 0505	PCS
AA series 2503.2	LA	V series 0310	K	F series 0306.5	PCS
AA series 1506	MA	V series 0217	K	F series 0308.5	PCS
AA series 1010	MA	V series 0116	K	FA series 1000.6	PCA
AA series 0713	MA	VA series 1802	KA	FA series 1003.2	PCA
AA series 0330	SA	VA series 1503	KA	FA series 0701.5	PCA
AA series 0238.5	TA	VA series 1501	KA	FA series 0503.2	PCA
T series 2005	L	VA series 1003.4	KA	FA series 0304.7	PCA
T series 0515	N	VA series 1007	KA	FA series 0306.5	PCA
T series 0420	N	VA series 1002	KA		

* Early versions were A heads, later versions are B heads. There is an A or a B stamped into the plastic head.
To select correct materials please refer to the chemical list.

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EMEC Pump Head Codes

Models:

EMEC pump liquid ends are identified by a code.
To select the correct spare parts, identify the code from the list below and then find the parts you need on the pages following.

EMEC Pump Model	Pump Head Code	EMEC Pump Model	Pump Head Code	EMEC Pump Model	Pump Head Code
PRISMA 2001	I	PRIUS D 005180	UM	PRIUS D AP 050017	MM AP
PRISMA 2502	L	PRIUS D 005188	UM	PRIUS D AP 030028	NM AP
PRISMA 2005	L	PRIUS D 005212	UM	PRIUS D AP 020030	NM AP
PRISMA 1607.5	L	PRIUS D 005236	UM	PRIUS D AP 030030	SM AP
PRISMA 1013	M	PRIUS D 005240	TM	PRIUS D AP 020034	TM AP
PRISMA 0720	N	PRIUS D 005284	UM	PRIUS D AP 030041	SM AP
PRISMA 0528	N	PRIUS D 005290	UM	PRIUS D AP 020068	TM AP
PRISMA 0450	N	PRIUS D 005350	UM	PRIUS D AP 030076	SM AP
PRISMA 0280	N	PRIUS D 005380	UM	PRIUS D AP 020091	TM AP
PRIUS D 010012	NM	PRIUS D 005390	UM	PRIUS D AP 020170	TM AP
PRIUS D 010016	NM	PRIUS D 005440	UM		
PRIUS D 010021	TM	PRIUS D 004520	UM		
PRIUS D 010024	NM	PRIUS D 005530	UM		
PRIUS D 010030	NM	PRIUS D 003750	UM		
PRIUS D 007032	TM	PRIUS D 005750	UM		
PRIUS D 010042	TM	PRIUS D 002M00	UM		
PRIUS D 005048	TM	PRIUS D 005M00	UM		
PRIUS D 010056	TM	PRIUS D AP 10001.5	LM AP		
PRIUS D 010060	NM	PRIUS D AP 100002	LM AP		
PRIUS D 007064	TM	PRIUS D AP 05002.5	MM AP		
PRIUS D 005070	UM	PRIUS D AP 100004	LM AP		
PRIUS D 007086	TM	PRIUS D AP 050005	MM AP		
PRIUS D 005088	UM	PRIUS D AP 030005	NM AP		
PRIUS D 005096	TM	PRIUS D AP 020006	NM AP		
PRIUS D 010105	TM	PRIUS D AP 050009	MM AP		
PRIUS D 005106	UM	PRIUS D AP 030010	NM AP		
PRIUS D 005128	TM	PRIUS D AP 020012	NM AP		
PRIUS D 005140	UM	PRIUS D AP 030014	NM AP		
PRIUS D 007160	TM	PRIUS D AP 030015	SM AP		
PRIUS D 005176	UM	PRIUS D AP 020016	NM AP		

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EMEC Pump Head Codes

Models:

EMEC PRIUS P series pumps are identified by their plunger size and materials.
To select the correct spare parts, identify the required head below and then find the parts you need on the pages following.

EMEC Pump Model	Plunger mm	Hose Connection ID mm	EMEC Pump Model	Plunger mm	Connection Thread Inch
PRIUS P 010005 PP	14	12	PRIUS P 010005 SS	14	1/2
PRIUS P 010013 PP	14	12	PRIUS P 010013 SS	14	1/2
PRIUS P 010016 PP	25	12	PRIUS P 010016 SS	25	1/2
PRIUS P 010024 PP	14	12	PRIUS P 010024 SS	14	1/2
PRIUS P 010026 PP	32	12	PRIUS P 010026 SS	32	1/2
PRIUS P 010032 PP	25	12	PRIUS P 010032 SS	25	1/2
PRIUS P 010042 PP	40	18	PRIUS P 010042 SS	40	3/4
PRIUS P 010043 PP	25	12	PRIUS P 010043 SS	25	1/2
PRIUS P 010052 PP	32	12	PRIUS P 010052 SS	32	1/2
PRIUS P 010064 PP	50	18	PRIUS P 010064 SS	50	3/4
PRIUS P 010070 PP	32	12	PRIUS P 010070 SS	32	1/2
PRIUS P 010080 PP	25	12	PRIUS P 010080 SS	25	1/2
PRIUS P 010084 PP	40	18	PRIUS P 010084 SS	40	3/4
PRIUS P 010113 PP	40	18	PRIUS P 007101 SS	63	1
PRIUS P 010128 PP	50	18	PRIUS P 010113 SS	40	3/4
PRIUS P 010130 PP	32	12	PRIUS P 010128 SS	50	3/4
PRIUS P 010172 PP	50	18	PRIUS P 010130 SS	32	1/2
PRIUS P 010210 PP	40	18	PRIUS P 010172 SS	50	3/4
PRIUS P 010320 PP	50	18	PRIUS P 007203 SS	63	1
			PRIUS P 010210 SS	40	3/4
			PRIUS P 007273 SS	63	1
			PRIUS P 010320 SS	50	3/4
			PRIUS P 007508 SS	63	1

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EMEC Maintenance Kits

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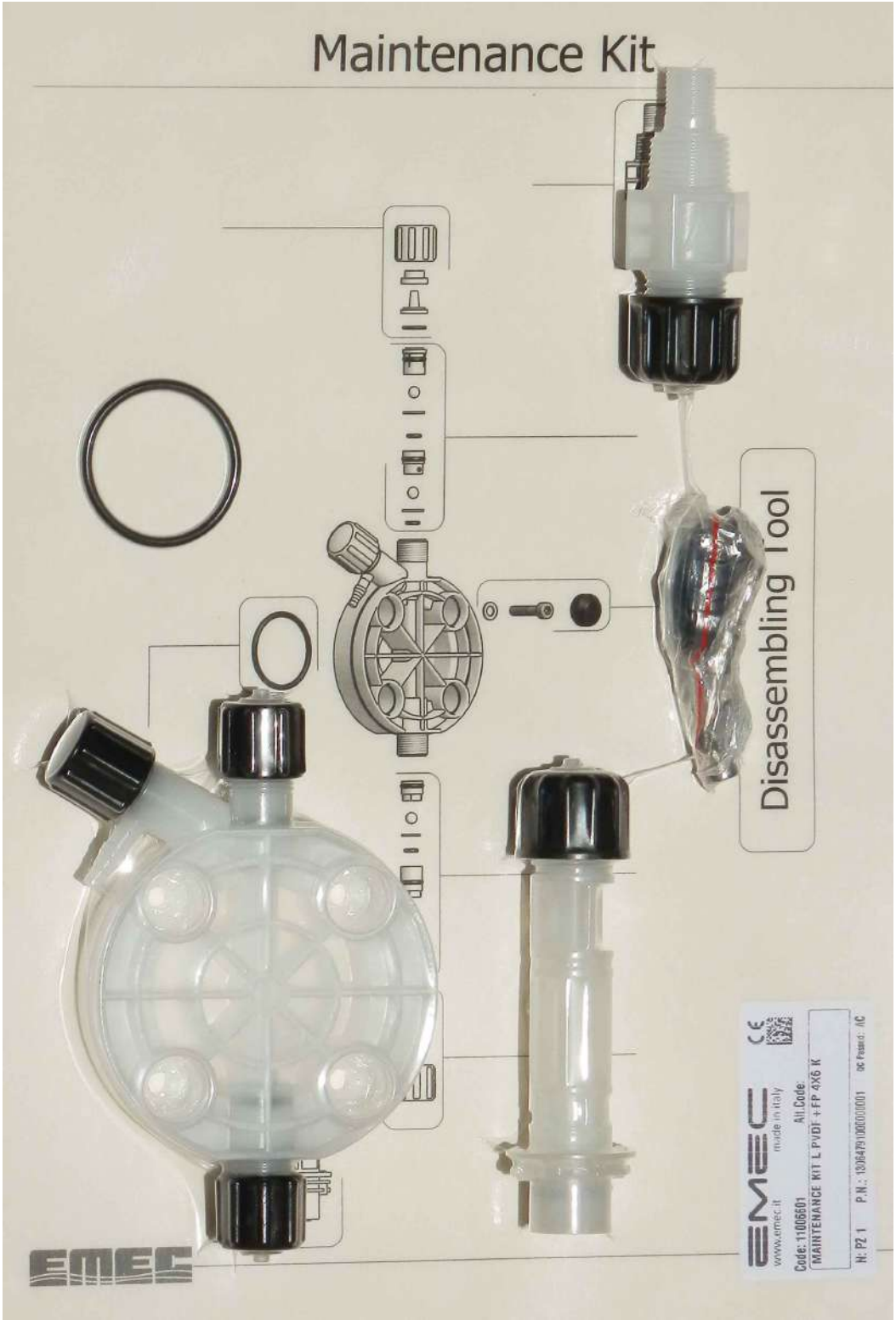

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EMEC Maintenance Kits

Models:

Model	Pump Head Description				Model	Pump Head Description			
	Head	Material	Size	Pump		Head	Material	Size	Pump
110.0620.1	**J**	PVDF+EP	4 x 8	V	110.0678.1	**LA ****	PVDF+EP	4 x 6	AMS
110.0907.1	**J**	PVDF+FP	4 x 8	V	110.0679.1	**LA ****	PVDF+FP	4 x 6	AMS
110.0622.1	**JA**	PVDF+EP	4 x 8	V	110.0684.1	**LA ****	PVDF+EP	4 x 6	T
110.0623.1	**JA**	PVDF+FP	4 x 8	V	110.0685.1	**LA ****	PVDF+FP	4 x 6	T
110.0624.1	**K**	PVDF+EP	4 x 6	V	110.0663.1	**M**	PVDF+EP	6 x 8	K
110.0625.1	**K**	PVDF+FP	4 x 6	V	110.0662.1	**M**	PVDF+FP	6 x 8	K
110.6682.1	**K**	PVDF+EP	6 x 8	V	110.0683.1	**M ****	PVDF+EP	4 x 6	AMS
110.0876.1	**K**	PVDF+FP	6 x 8	V	110.0686.1	**M ****	PVDF+FP	4 x 6	AMS
110.0626.1	**KA**	PVDF+EP	4 x 6	V	110.0920.1	**M ****	PVDF+EP	4 x 8	AMS
110.0627.1	**KA**	PVDF+FP	4 x 6	V	110.0836.1	**M ****	PVDF+FP	4 x 8	CMS
110.6683.1	**KA**	PVDF+FP	6 x 8	V	110.0959.1	**MA**	PVDF+EP	6 x 8	K
110.6684.1	**KA**	PVDF+EP	6 x 8	V	110.0665.1	**MA**	PVDF+FP	6 x 8	K
110.0659.1	**I**	PVDF+EP	4 x 6	K	110.0687.1	**MA ****	PVDF+EP	4 x 6	AMS
110.0658.1	**I ****	PVDF+FP	4 x 6	K	110.0864.1	**MA ****	PVDF+FP	4 x 6	AMS
110.0730.1	**IA ****	PVDF+EP	4 x 6	K	110.0688.1	**MA ****	PVDF+EP	6 x 8	AMS
110.0680.1	**IA ****	PVDF+FP	4 x 6	K	110.0914.1	**MA ****	PVDF+FP	6 x 8	AMS
110.0661.1	**L**	PVDF+EP	4 x 6	K	110.0689.1	**N**	PVDF+EP	6 x 8	AMS/T
110.0660.1	**L**	PVDF+FP	4 x 6	K	110.0690.1	**N**	PVDF+FP	6 x 8	AMS/T
110.6685.1	**L ****	PVDF+EP	4 x 6	K	110.0865.1	**NA**	PVDF+EP	6 x 8	AMS/T
110.0955.1	**L ****	PVDF+FP	4 x 6	K	110.0957.1	**NA**	PVDF+FP	6 x 8	AMS/T
110.0675.1	**L ****	PVDF+EP	4 x 6	AMS	110.0925.1	**S**	PVDF+EP	8x10 / 8x12	AMS/T
110.0863.1	**L ****	PVDF+FP	4 x 6	AMS	110.0924.1	**S**	PVDF+FP	8x10 / 8x12	AMS/T
110.0681.1	**L ****	PVDF+EP	4 x 6	T	110.0691.1	**SA**	PVDF+EP	8x10 / 8x12	AMS/T
110.0682.1	**L ****	PVDF+FP	4 x 6	T	110.0692.1	**SA**	PVDF+FP	8x10 / 8x12	AMS/T
110.0672.1	**LA**	PVDF+EP	4 x 6	K	110.0693.1	**T**	PVDF+EP	8x10 / 8x12	AMS
110.0664.1	**LA**	PVDF+FP	4 x 6	K	110.0694.1	**T**	PVDF+FP	8x10 / 8x12	AMS
110.0676.1	**LA ****	PVDF+EP	4 x 6	K	110.0695.1	**TA**	PVDF+EP	8x10 / 8x12	AMS
110.0677.1	**LA ****	PVDF+FP	4 x 6	K	110.0696.1	**TA**	PVDF+FP	8x10 / 8x12	AMS

**** Reinforced Head**

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EMEC Pump Head Spares

V Series

EMEC - V Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.0986.1	EP	PVDF	J	Head Complete	4 x 8
020.0985.1	FP	PVDF	J	Head Complete	4 x 8
020.1848.1	EP	PP	J	Head Complete	4 x 6
020.0988.1	EP	PVDF	K	Head Complete	4 x 6
020.0987.1	FP	PVDF	K	Head Complete	4 x 6
020.1534.1	EP	PP	K	Head Complete	4 x 6
026.0059.0	EP		J	Head O-ring	
026.0053.0	FP		J	Head O-ring	
026.0007.0	EP		K	Head O-ring	
026.0009.0	FP		K	Head O-ring	
018.0027.0		PTFE	J	Diaphragm	
018.0001.0		PTFE	K	Diaphragm	

EP = EPDM Seals
FP = VITON Seals

EMEC - VA Series Self Venting Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1196.1	FP	PVDF	JA	Head Complete	4 x 8
020.1015.1	FP	PVDF	KA	Head Complete	4 x 6
026.0053.0	FP		JA	Head O-ring	
026.0009.0	FP		KA	Head O-ring	
018.0027.0		PTFE	JA	Diaphragm	
018.0001.0		PTFE	KA	Diaphragm	

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EMEC Pump Head Spares

K Series

EMEC - K Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1123.1	EP	PVDF	I	Head Complete	4 x 6
020.1124.1	FP	PVDF	I	Head Complete	4 x 6
020.2006.1	EP	PP	I	Head Complete	4 x 6
020.1125.1	EP	PVDF	L	Head Complete	4 x 6
020.1126.1	FP	PVDF	L	Head Complete	4 x 6
020.1562.1	EP	PP	L	Head Complete	4 x 6
020.1127.1	EP	PVDF	M	Head Complete	6 x 8
020.1128.1	FP	PVDF	M	Head Complete	6 x 8
020.1907.1	EP	PP	M	Head Complete	6 x 8
026.0059.0	EP		I	Head O-ring	
026.0053.0	FP		I	Head O-ring	
026.0007.0	EP		L	Head O-ring	
026.0009.0	FP		L	Head O-ring	
026.0002.0	EP		M	Head O-ring	
026.0013.0	FP		M	Head O-ring	
018.0027.0		PTFE	I	Diaphragm	
018.0033.0		PTFE	L	Diaphragm	
018.0004.0		PTFE	M	Diaphragm	

EP = EPDM Seals
FP = VITON Seals

EMEC - KA Series Self Venting Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1163.1	EP	PVDF	IA	Head Complete	4 x 6
020.1162.1	FP	PVDF	IA	Head Complete	4 x 6
020.1129.1	EP	PVDF	LA	Head Complete	4 x 6
020.1130.1	FP	PVDF	LA	Head Complete	4 x 6
020.1131.1	EP	PVDF	MA	Head Complete	4 x 6
020.1132.1	FP	PVDF	MA	Head Complete	4 x 6
026.0059.0	EP		IA	Head O-ring	
026.0053.0	FP		IA	Head O-ring	
026.0007.0	EP		LA	Head O-ring	
026.0009.0	FP		LA	Head O-ring	
026.0002.0	EP		MA	Head O-ring	
026.0013.0	FP		MA	Head O-ring	
018.0027.0		PTFE	IA	Diaphragm	
018.0033.0		PTFE	LA	Diaphragm	
018.0004.0		PTFE	MA	Diaphragm	

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EMEC Pump Head Spares

A Series

EMEC - A Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1641.1	EP	PVDF	L	Head Complete	4 x 6
020.1640.1	FP	PVDF	L	Head Complete	4 x 6
020.1918.1	EP	PP	L	Head Complete	4 x 6
020.1643.1	EP	PVDF	M	Head Complete	4 x 6
020.1642.1	FP	PVDF	M	Head Complete	4 x 6
020.1919.1	EP	PP	M	Head Complete	4 x 6
020.1645.1	EP	PVDF	M	Head Complete	6 x 8
020.1644.1	FP	PVDF	M	Head Complete	6 x 8
020.1578.1	EP	PP	M	Head Complete	6 x 8
020.1635.1	EP	PVDF	N	Head Complete	6 x 8
020.1634.1	FP	PVDF	N	Head Complete	6 x 8
020.1820.1	EP	PP	N	Head Complete	6 x 8
020.1637.1	EP	PVDF	S	Head Complete	8 x 10 / 8 x 12
020.1636.1	FP	PVDF	S	Head Complete	8 x 10 / 8 x 12
020.1845.1	EP	PP	S	Head Complete	8 x 10 / 8 x 12
020.1672.1	EP	PVDF	T	Head Complete	8 x 10 / 8 x 12
020.1668.1	FP	PVDF	T	Head Complete	8 x 10 / 8 x 12
020.1838.1	EP	PP	T	Head Complete	8 x 10 / 8 x 12
026.0007.0	EP		L	Head O-ring	
026.0009.0	FP		L	Head O-ring	
026.0002.0	EP		M	Head O-ring	
026.0013.0	FP		M	Head O-ring	
026.0223.0	EP		N	Head O-ring	
026.0220.0	FP		N	Head O-ring	
026.0027.0	EP		S	Head O-ring	
026.0416.0	FP		S	Head O-ring	
026.0119.0	EP		T	Head O-ring	
026.0117.0	FP		T	Head O-ring	
018.0033.0		PTFE	L	Diaphragm	
018.0004.0		PTFE	M	Diaphragm	
018.0022.0		PTFE	N	Diaphragm	
018.0003.0		PTFE	S	Diaphragm	
018.0045.0		PTFE	T	Diaphragm	

EP = EPDM Seals
FP = VITON Seals

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EMEC Pump Head Spares

T Series

EMEC - T Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1641.1	EP	PVDF	L	Head Complete	4 x 6
020.1640.1	FP	PVDF	L	Head Complete	4 x 6
020.1918.1	EP	PP	L	Head Complete	4 x 6
020.1635.1	EP	PVDF	N	Head Complete	6 x 8
020.1634.1	FP	PVDF	N	Head Complete	6 x 8
020.1820.1	EP	PP	N	Head Complete	6 x 8
020.1637.1	EP	PVDF	S	Head Complete	8 x 10 / 8 x 12
020.1636.1	FP	PVDF	S	Head Complete	8 x 10 / 8 x 12
020.1845.1	EP	PP	S	Head Complete	8 x 10 / 8 x 12
020.1296.1	EP	PVDF	T	Head Complete	12 ID
020.1295.1	FP	PVDF	T	Head Complete	12 ID
020.1838.1	EP	PP	T	Head Complete	8 x 12
026.0007.0	EP		L	Head O-ring	
026.0009.0	FP		L	Head O-ring	
026.0223.0	EP		N	Head O-ring	
026.0220.0	FP		N	Head O-ring	
026.0027.0	EP		S	Head O-ring	
026.0416.0	FP		S	Head O-ring	
026.0119.0	EP		T	Head O-ring	
026.0117.0	FP		T	Head O-ring	
018.0033.0		PTFE	L	Diaphragm	
018.0022.0		PTFE	N	Diaphragm	
018.0003.0		PTFE	S	Diaphragm	
018.0045.0		PTFE	T	Diaphragm	

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EMEC Pump Head Spares

PRIUS D Series

EMEC - PRIUS D Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.1802.1	FP	PVDF	NM	Head Complete	8 x 10 / 8 x 12
020.1803.1	EP	PVDF	NM	Head Complete	8 x 10 / 8 x 12
020.1810.1	FP	PVDF	NM	Head Complete	13 ID
020.1811.1	EP	PVDF	NM	Head Complete	13 ID
020.1831.1	EP	PP	NM	Head Complete	13 ID
020.1840.1	FP	PP	NM	Head Complete	13 ID
020.1858.1	FP	SS	NM	Head Complete	1/2 inch thread
020.1861.1	EP	SS	NM	Head Complete	1/2 inch thread
020.1804.1	FP	PVDF	TM	Head Complete	13 ID
020.1805.1	EP	PVDF	TM	Head Complete	13 ID
020.1806.1	FP	PVDF	TM	Head Complete	18 ID
020.1807.1	EP	PVDF	TM	Head Complete	18 ID
020.1830.1	FP	PP	TM	Head Complete	18 ID
020.1829.1	EP	PP	TM	Head Complete	18 ID
020.1859.1	FP	SS	TM	Head Complete	3/4 inch thread
020.1862.1	EP	SS	TM	Head Complete	3/4 inch thread
020.1808.1	FP	PVC	UM	Head Complete	32 ID
020.1809.1	EP	PVC	UM	Head Complete	32 ID
020.1860.1	FP	SS	UM	Head Complete	1 inch thread
020.1863.1	EP	SS	UM	Head Complete	1 inch thread
026.0220.0	FP		NM	Head O-ring	
026.0223.0	EP		NM	Head O-ring	
026.0117.0	FP		TM	Head O-ring	
026.0119.0	EP		TM	Head O-ring	
026.0419.0	FP		UM	Head O-ring	
026.0436.0	EP		UM	Head O-ring	
018.0005.0		PTFE	NM	Diaphragm	
018.0049.0		PTFE	TM	Diaphragm	
018.0061.0		PFTE	UM	Diaphragm	

PVDF

PP

AISI316L

EP = EPDM Seals
FP = VITON Seals

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EMEC Pump Head Spares

PRISMA Series

EMEC - PRISMA Series Dosing Head

Model	Seals	Materials	Head	Description	Connection mm
020.2417.1	FP	PVDF	L	Head Complete	4 x 6
020.2531.1	EP	PVDF	L	Head Complete	4 x 6
020.2424.1	EP	PP	L	Head Complete	4 x 6
020.2418.1	FP	PVDF	M	Head Complete	6 x 8
020.2532.1	EP	PVDF	M	Head Complete	6 x 8
020.2533.1	EP	PP	M	Head Complete	6 x 8
020.2419.1	FP	PVDF	N	Head Complete	8 x 12 / 8 x 10
020.2469.1	EP	PP	N	Head Complete	8 x 12 / 8 x 10
020.2515.1	EP	PVDF	N	Head Complete	8 x 12 / 8 x 10
018.0027.0		PTFE	I	Diaphragm	
018.0033.0		PTFE	L	Diaphragm	
018.0004.0		PTFE	M	Diaphragm	
018.0060.0		PTFE	N	Diaphragm	

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FP = VITON Seals

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EMEC Pump Head Valves

Overhaul Kits

Internal Component Kits
to Overhaul
Integral Pump Head Valves

EP = EPDM Seals
FP = VITON Seals

EMEC Pump Head Valve - Overhaul Kits

Pump Series	Head	Materials	Suction Valve Kit	Discharge Valve Kit	Bleed Valve Kit	Connection mm
K V	I J K L	PP EP	025.1655.1	025.1521.1	025.1268.1	4 x 6
K V	I J K L	PVDF FP	025.0811.1	025.0812.1	025.0894.1	4 x 6
K V	I J K L	PVDF EP	025.0906.1	025.0907.1	025.0895.1	4 x 6
K	M	PP EP	025.1655.1	025.1521.1	025.1268.1	6 x 8
K	M	PVDF FP	025.1255.1	025.0812.1	025.0894.1	6 x 8
K	M	PVDF EP	025.1256.1	025.0907.1	025.0895.1	6 x 8
KA VA	IA JA KA LA MA	PVDF FP	025.0811.1	025.1042.1	025.0926.1	4 x 6
A T	N	PP EP	025.1810.1	025.1813.1	025.1315.1	6 x 8
A T	N	PVDF FP	025.13181	025.1324.1	025.1316.1	6 x 8
A T	N	PVDF EP	025.132191	025.1325.1	025.1317.1	6 x 8
A T	S T	PP EP	025.1810.1	025.1813.1	025.1315.1	8 x 12 / 8 x 10
A T	S T	PVDF FP	025.1320.1	025.1330.1	025.1316.1	8 x 12 / 8 x 10
A T	S T	PVDF EP	025.1321.1	025.1331.1	025.1317.1	8 x 12 / 8 x 10

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EMEC Pump Head Valves

Overhaul Kits

Internal Component Kits
to Overhaul
Integral Pump Head Valves

EP = EPDM Seals
FP = VITON Seals

EMEC PRISMA Pump Head Valve - Overhaul Kits

Pump	Head	Materials	Suction Valve Kit	Discharge Valve Kit	Bleed Valve Kit	Connection Tube ID mm
PRISMA	L M	PP EP				4 x 6
PRISMA	L M	PVDF FP	025.0811.1	025.0812.1		4 x 6
PRISMA	L M	PVDF EP	025.0906.1	025.0907.1		4 x 6
PRISMA	N	PP EP				8 x 12 / 8 x 10
PRISMA	N	PVDF FP				8 x 12 / 8 x 10
PRISMA	N	PVDF EP				8 x 12 / 8 x 10

EMEC PRIUS Pump Head Valve - Overhaul Kits

Pump	Head	Materials	Suction Valve Kit	Discharge Valve Kit	Bleed Valve Kit	Connection Tube ID mm
PRIUS	NM	PP EP		025.2162.1		13
PRIUS	NM	PVDF FP	025.1583.1	025.1592.1		13
PRIUS	NM	PVDF EP	025.1584.1	025.1593.1		13
PRIUS	TM	PP EP				13
PRIUS	TM	PVDF FP	025.1587.1	025.1596.1	025.1600.1	13
PRIUS	TM	PVDF EP	025.1588.1	025.1597.1		13
PRIUS	TM	PP EP				18
PRIUS	TM	PVDF FP	025.1589.1	025.1598.1		18
PRIUS	TM	PVDF EP	025.1590.1	025.1599.1		18
PRIUS	UMS	PP EP				30
PRIUS	UMS	PVDF FP				30
PRIUS	UMS	PVDF EP				30

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Section 30 Assemblies

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Assemblies

At Aqua Products Limited, we supply a number of custom assemblies that are designed and constructed to meet our customers requirements.

Many of these assemblies feature our customers proprietary designs, so we can't include images in our catalogue.

However, we are pleased to provide a few examples of typical assemblies for your consideration.

You can choose one of these proven designs, or we can design and build to your requirements on request.

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Hot Injection Set

Standard Features:

- Recommended for Boiler Applications and for Hot Tanks
- Allows for Installation into Either a 1/2" or 1/4" BSP Connection
- Injection Quill to Deliver Chemical into the Centre of the Pipework
- Isolating Valve, so that the Injection Valve can be Easily Serviced/Replaced Without Process Water Shutdown
- 0.5 mtr of 6mm SS Pipe to Dissipate the Heat
- Adaptor to 6mm Flexible Tubing

Models:

Model	Description
HOTINJSET	For injecting chemicals into hot pipelines or tanks

EMEC has advised that their PVDF injection valves supplied standard with K, V and A series pumps are suitable for use at up to 85°C at 18 bar, or up to 130°C at 5 bar.

Our recommendation allowing for a margin of safety,
is to use a hot injection set in any installation with the potential to operate at above 100°C and for any installation operating above 85°C under pressure.

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Corrosion Racks

Standard Features:

- High Quality Schedule 80 PVC Construction
- Double Union Isolating Ball Valves
- Easy to use Union Style Coupon Holders
- PVC Back Plate for Easy Mounting

Corrosion racks hold corrosion coupons in a sample water flow, to simulate the corrosion of similar metals in the system.

Models:

Model	Description
2PASSCR	Corrosion Rack 2 Pass
3PASSCR	Corrosion Rack 3 Pass
4PASSCR	Corrosion Rack 4 Pass
4PASSCRDEL	Corrosion Rack 4 Pass Deluxe

Standard version with isolating valves.

Deluxe version with flow meter & bleed valve.

Options:

Alternative pipe materials.
2, 3 and 4 pass available standard.
Custom builds on request.
Flow switch on flowmeter.

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WTC Cooling Tower Control Panel

Consisting of:

- EMEC WTC Controller
- Dual Pumps Built In
- EMEC MANIFOLD/3 Control Manifold
- Non Return
- Flow Switch
- Chemical Injection Points
- Motorised Bleed Valve

Models:

Model	Functions
WTC BASIC	Conductivity control of cooling tower bleed. Timer control of dual biocide dosing, or Timer controlled biocide plus water meter control of inhibitor dosing. Timer output for control of an additional dosing pump. Alarm output.

Options:

With or without weatherproof enclosure.
Web based remote management.
Timer control of an additional metering pump or electric valve.

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CENTURIO Swimming Pool Panel

Standard Features:

- EMEC CENTURIO POOL Controller
- Colour Touchscreen Interface
- Free Chlorine & pH Measurement & Control
- Expandable Controller for up to 6 Channels
- ON/OFF Digital Output Relay
- Proportional Pulse Control Relays
- 4-20mA Signal Outputs
- Remote Control by WIFI, LAN or MODBUS
- 5 Year Controller Warranty

Models:

Model	Functions
CENTURIO POOL PANEL	Large colour display, cleanable pre-filter, wall mounted flow block, integrated flow adjustment, integrated flow switch, EPHS pH electrode, EPS free chlorine electrode

Options:

Data-logging to USB.
Remote monitoring and management via GPRS.
Temperature measurement and control.

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CENTURIO Tower Control Panel

Consisting Of:

- EMEC CENTURIO Tower Controller
- Touch Screen Display
- 3 x EMEC VMSMF Metering Pumps
- Schedule 80 PVC Manifold
- Motorised Bleed Valve
- Flow Switch
- Non Return
- Chemical Injection Points
- Sample Valve

Models:

Model	Functions
CENTURIO BASIC	Monitoring and display of conductivity, pH and ORP. Conductivity based bleed valve control. ORP control of biocide dosing. Water meter based control of inhibitor dosing. Timer based control of secondary biocide dosing. LAN connection for web based remote management.

Options:

Plug and play input modules for chlorine, chlorine dioxide, bromine, ozone, hydrogen peroxide, peracetic acid, generic 4-20mA, tracers, temperature.
Weather proof enclosure.

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MTOWER Cooling Tower Control Panel

Consisting Of:

- EMEC MTOWER CD Controller
- EMEC MANIFOLD/3 Control Manifold
- Motorised Bleed Valve
- 2 x EMEC FPESR0002 Peristaltic Dosing Pumps
- 1 x EMEC FPVM102.2EP Metering Pump

Models:

Model	Functions
MTOWER BASIC	Conductivity control of cooling tower bleed. Timer control of dual biocide dosing. Water meter control of inhibitor dosing.

Options:

4-20mA output signals.
Data-logging to USB.
Remote monitoring and management.
MODBUS.

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2 Way pH Correction System

Consisting Of:

- IP66 Enclosure with Hinged Lid
- EMEC LDSPH PLUS PH Controller
- Flow Meter with Integral Flow Switch
- EMEC VCO Acid Pump
- EMEC VCO Caustic Pump
- Schedule 80 Pipework
- Isolating Valves
- Non Return Valve

Models:

Model	Functions
2WAY pH	Continuous on line monitoring of pH. Acid and alkaline dosing pumps for pH correction in either direction.

Options:

Automatic Temperature compensation.
4-20mA signal output.
Datalogging to USB.
Remote control by LAN connection.
Remote control by GPRS.
MODBUS.

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Proportional Dosing System

Consisting Of:

- EMEC Pulse Output Water Meter
- EMEC Chemical Dosing Pump
- Pipework in Schedule 80 PVC
- Isolating Valves
- Non Return Valve
- PVC Back Board

Models:

Model	Functions
PROPDOSE	The proportional dosing system injects chemical to achieve the same ratio of chemical to water, regardless of variations in flowrate.

Options:

Pipework and water meter sized to suit the flowrate.
Materials of construction selected for chemical compatibility.
Pump capacity selected to suit application.

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Automatic Tank Chlorination

Consisting of:

- EMEC VMSPO Metering Pump
- Built In ORP Controller
- Adjustable Timer to Set Working Times
- ORP Probe
- Non Return
- Motorised Ball Valve
- Weatherproof Enclosure

Complete automatic tank chlorination system in a box.

Tank is recirculated when programmed and automatically dosed to an ORP set point.

Models:

Model	Functions
VPO BASIC	Automatic tank chlorination system for safe drinking water. Timer based dosing with ORP probe dosing limit.

Options:

Pump capacity selected to suit application.

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Mixing & Dosing Stations

Tank / Pump / Mixer / Lance / Level / Probe

Select a combination
to best suit your application.

Combinations:

Tank Model	Pump	Mounted With	Mixer	Suction Lance	Visual Level Indicator	Level Lance	Laser Level Probe
CNT PD50	V	Bracket	MIX MAN Shaft Lth 450	LASP4 LASP5	SLV50	LALIV40	SLL50
	K						
	T	Bracket					
	PRISMA						
CNT PD110	V	Bracket	MIX 8N MIX V8N Shaft Lth 630	LASP4 LASP5	SLV110	LALIV63	SLL110
	K						
	A	Bracket					
	T						
	PRISMA						
CNT PD200	V	Bracket	MIX8N MIXV8N MIX4N MIXV4N MIXV2N Shaft Lth 730	LASP4 LASP5	SLV200	LALIV75	SLL200
	K						
	A	Bracket					
	T						
	PRISMA						
CNT PD500	V	Bracket	MIX4N MIXV4N MIXV2N Shaft Lth 930	LASP4 LASP5	SLV500	LALIV108	SLL500
	K						
	A	Bracket					
	T						
	PRISMA						
	PRIUS	Support					

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EMEC - FLUIMAC - ALLAQUA - KLD

MIXTRON - DELTA - LUMINOR

DESTAR - ZYIA - ITS - HM DIGITAL

Dosing & Control Systems
Motorised Valves
Water Testing Equipment
UV Sterilisers
Flowmeters

Chemical Transfer Pumps
Valves & Fittings
Water Softeners
Ozone
Filtration

Water Softeners
Section 12

Ozone
Section 18

Testing / Filtration
Section 24 / 19

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