

The background of the entire page is a photograph of a modern water treatment plant. It features a large, multi-story building with a glass facade, reflecting the surrounding greenery and sky. In the foreground, there are several large, circular concrete structures, likely part of the filtration or aeration process, with water flowing over them. The overall scene is bright and clean, emphasizing the industrial yet natural aesthetic of the facility.

GENERAL CATALOGUE

ABOUT US

ETATRON, based in Rome, Italy, has been designing and manufacturing chemical dosing pumps and controllers for more than 40 years.

The company produces a wide range of pumps and control systems that serve a multitude of chemical dosing and monitoring applications, with an in-house engineering team offering bespoke solutions for chemical handling.

Our state-of-the-art production facility handles every aspect of manufacturing, assembly and testing for the entire product range, with every item undergoing rigorous quality control. Meanwhile, all equipment is supplied with an accessory kit and operating and maintenance manual as standard.

As one of Europe's largest manufacturers of solenoid metering pumps, ETATRON produces more than 100,000 units each year and exports products worldwide through a network of subsidiary offices and official distributors.

ETATRON offers a wide range of material options including PP, PVDF, PVC, SS and Hastelloy, while our experienced customer support team can make application-specific recommendations to ensure full compatibility with your process.

Products are manufactured under ISO 9001:2015 with certain ranges CSA certified. Each product is CE marked and supplied with a standard one-year warranty against manufacturing defects.

For more than four decades, ETATRON has designed, manufactured and supplied systems for sectors as varied as potable water treatment, effluent water treatment, leisure, industry and horticulture. So whether you require manually adjustable chemical dosing pumps or process controllers linked to proportionally controlled metering units, you can be certain that we will have dedicated solutions for your application.

ETATRON



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ETATRON IS PRESENT ACROSS ALL ASPECTS OF WATER TREATMENT



Wastewater

Where the treatment of wastewater requires precision both in the measurement of chemical parameters and the dosage of chemical products, ETATRON is present with state-of-the-art metering pump systems.



Potable Water

In drinking water treatment applications that demand precise dosing and reliable measurement of chlorine concentration, ETATRON offers a line of advanced products that detect and control essential water parameters.



Industry

In industrial applications requiring precise control of chemical processes, ETATRON's control instruments and dosing pumps are essential tools for the discerning professional looking to optimise consumption.



Cooling Towers

For the control of water parameters such as conductivity, pH and chlorine concentration in cooling water treatment, ETATRON's next-generation solutions include products that allow dosing proportional to water flow or chemical parameter measurement value.



Swimming Pool

ETATRON's expertise in swimming pool chemical dosing has seen us develop a series of products for both the domestic and commercial markets, with complete solutions for the automatic control of pool water parameters.



Agriculture

Where high-precision chemical dosing systems are required for the addition of saline solutions and essential plant nutrients in greenhouses, hydroponic crops and irrigation water, ETATRON is a leading supplier to the global agricultural sector.



MADE IN ITALY

With our base in the historic city of Rome, ETATRON draws upon Italy's rich heritage in the pump industry to deliver a comprehensive product range of the highest quality.

At our purpose-built production and office complex, a dedicated workforce supports a worldwide network of approved distributors and agents with design, production and technical expertise.

This allows us to achieve and maintain the highest standards of product quality and customer service, essential characteristics of the ETATRON brand across Italy and around the world.

ETATRON's unique IoT-empowered EtaCloud software supports remote control of all the eSelect-M's operating and programming parameters to bring users closer than ever to their systems.

With remote connection via smartphone, tablet or PC, managers can perform monitoring and control operations 24/7 from any location for unmatched command of their application.

This advanced software also sends alarms and status changes to the operator instantly via email, enabling swift remote technical service and helping to avoid unplanned downtime.

Connection with EtaCloud is made possible courtesy of a dedicated Connectivity Kit (not included), which consists of an RS485/USB cable, external module and 5V power supply.



EONE SERIES

SOLENOID DOSING PUMP



EONE SERIES

General information

The eOne Series is an innovative solenoid-driven pump that brings intelligent control to chemical dosing.

This state-of-the-art device reacts to system pressure variations and controls flow rate accordingly to enable energy saving, low-temperature running and minimal wear of mechanical and electrical components.

eOne Series pumps boast exclusive functions such as:

- UNDERLOAD – suction alarm for low chemical level, blocked suction valve or damaged suction tube
- OVERLOAD – dosing alarm for pump head over pressure, excessive operating pressure within the dosing pipeline and blocked delivery valve.

Other unique features of the eOne Series include high injection frequency (up to 300 pulses/min) and a multi-tension power supply (100-250 Vac, 50/60Hz).

Materials

- Case: Reinforced, chemically resistant PP
- Pump head: PVDF, highly resistant polymer
- Valves: Ceramic balls and all sealings in FPM or TFE/P
- Diaphragm: PTFE

INSTALLATION KIT

PVDF-TFE/P kit

ALL eOne systems are supplied with a PVDF-TFE/P installation kit, made up of a 2 m discharge PE tube (4x6 mm), 2 m suction and 2 m bleeding PVC crystal tube (4x6 mm), PVDF foot-filter and PVDF injection valve. Other configurations are available upon request.

Flow Rate	Code
1-15 l	SCO 00300 22
20 - 30 l	SCO 00310 21



Technical Specifications

Version	Flow rate	Pressure	Max frequency	Connections Int/Ext	Power supply	Power consumption
	l/h (US Gal/h)	bar (psi)	imp/min	mm		Min/Max (W)
0110	1 (0.26)	10 (145)	180	4x6	100 – 250 Vac; 50 – 60 Hz	5/23
0216	2 (0.53)	16 (232)	300	4x6	100 – 250 Vac; 50 – 60 Hz	5/23
0420	4 (1.06)	20 (290)	300	4x6	100 – 250 Vac; 50 – 60 Hz	10/32
0607	6 (1.59)	7 (101)	300	4x6	100 – 250 Vac; 50 – 60 Hz	5/23
0710	7 (1.84)	10 (145)	300	4x6	100 – 250 Vac; 50 – 60 Hz	7/26
1012	10 (2.64)	12 (174)	300	4x6	100 – 250 Vac; 50 – 60 Hz	10/32
1505	15 (3.96)	5 (72)	300	4x6	100 – 250 Vac; 50 – 60 Hz	7/26
2007	20 (5.26)	7 (101)	300	6x8	100 – 250 Vac; 50 – 60 Hz	10/35
3005	30 (7.92)	5 (72)	300	6x8	100 – 250 Vac; 50 – 60 Hz	10/35

MA

Analogue electromagnetic dosing pump with constant flow

eOne Ma is an electronic dosing pump with intelligent power control that automatically reacts to dosing conditions.

FEATURES

- Flow rate control according to pressure variation
- Energy saving
- Low heating
- Minimal wear of mechanical and electrical components
- Manual flow rate adjustment
- Dual scale adjustment: 0 – 20% and 0 – 100%
- Manual air bleed pump head
- Automatic air bleed available on request
- Level probe input
- Flow rate: 1 – 30 l/h
- Stroke rate: 180 – 300 impulses/min
- Proportional mode: 1:1 by water-meter pulse-sender signal
- Maximum pressure: 20 bar



Models

eOne MA (Wall mounting)	eOne B MA (Foot mounting)	Version
PEU 45 389 4l	PBU 45 389 4l	0110
PEU 45 391 4l	PBU 45 391 4l	0216
PEU 45 392 4l	PBU 45 392 4l	0420
PEU 45 393 4l	PBU 45 393 4l	0607
PEU 45 394 4l	PBU 45 394 4l	0710
PEU 45 395 4l	PBU 45 395 4l	1012
PEU 45 396 4l	PBU 45 396 4l	1505
PEU 45 397 4l	PBU 45 397 4l	2007
PEU 45 386 4l	PBU 45 386 4l	3005

MF

Multifunction microprocessor solenoid dosing pump

eOne MF is an electronic dosing pump that delivers intelligent power control according to live dosing conditions

FEATURES

- Manual air bleed pump head
- Automatic air bleed available on request
- Manual flow rate regulation: 0-100%, 0-300% impulses/min
- Proportional dosing modes (1 x n; 1 : n; 1 x n M; ml x l; L x l; ml x m3; ppm)
- Flow rate control depending on pressure variation
- Energy saving
- Low heating
- Minimal wear of mechanical and electrical components
- Daily and weekly timer (16 programmes/day)
- Relay output
- 4-20 mA control
- Flow sensor input
- Stroke rate: 180 – 300 impulses/min
- Level probe input



Models

eOne MF (Wall mounting)	eOne B MF (Foot mounting)	Version
PEU 48 389 4I	PBU 48 389 4I	0110
PEU 48 391 4I	PBU 48 391 4I	0216
PEU 48 392 4I	PBU 48 392 4I	0420
PEU 48 393 4I	PBU 48 393 4I	0607
PEU 48 394 4I	PBU 48 394 4I	0710
PEU 48 395 4I	PBU 48 395 4I	1012
PEU 48 396 4I	PBU 48 396 4I	1505
PEU 48 397 4I	PBU 48 397 4I	2007
PEU 48 386 4I	PBU 48 386 4I	3005

PLUS

Multi-function microprocessor solenoid dosing pump with pH, Rx or Cl (ppm) and proportional control

eOne PLUS is an electronic dosing pump with intuitive control of power that reacts to current dosing conditions

FEATURES

- Flow rate control depending on pressure variation
- Low heating
- Energy saving
- Minimal wear of mechanical and electrical components
- High injection frequency up to 300 pulses/min
- Manual flow rate regulation: 0-100%, 0-300 impulses/min
- Maximum pressure: 20 bar
- Manual air bleed pump head
- Automatic air bleed available on request
- Flow rate: 1 – 30 l/h
- Stroke rate: 180 – 300 impulses/min
- Proportional dosing modes (1 x n; 1 : n; 1 x n M; ml x l; L x l; ml x m3; ppm)
- Measure ranges: 0.00– 14.00 pH; -1000 /+1400 mV Redox; 0–2, 0–10, 0–20, 0–200 ppm
- Daily and weekly timer (16 programmes/day)
- Relay output
- ON/OFF mode or proportional mode
- DIRECT or REVERSE intervention
- PT100 temperature probe input
- 4–20 mA control
- Flow sensor input
- Hysteresis
- Level probe input



Models

eOne PLUS (Wall mounting)	eOne B PLUS (Foot mounting)	Version
PEU 46 389 4I	PBU 46 389 4I	0110
PEU 46 391 4I	PBU 46 391 4I	0216
PEU 46 392 4I	PBU 46 392 4I	0420
PEU 46 393 4I	PBU 46 393 4I	0607
PEU 46 394 4I	PBU 46 394 4I	0710
PEU 46 395 4I	PBU 46 395 4I	1012
PEU 46 396 4I	PBU 46 396 4I	1505
PEU 46 397 4I	PBU 46 397 4I	2007
PEU 46 386 4I	PBU 46 386 4I	3005

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlight
Blue/White 16 digits

CASE

Chemical resistant polypropylene

PUMP HEAD

PVDF

VALVES

Ceramic balls
FPM seals

COVER

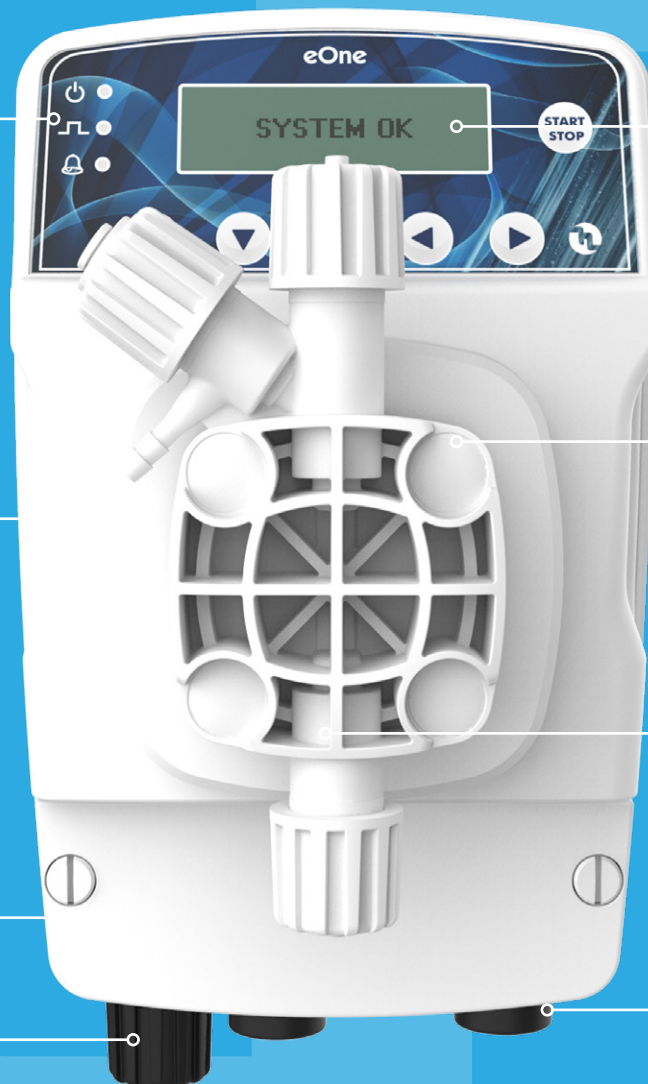
Terminal box cover

POWER SUPPLY

Multitension 100-250 Vca, 50/60Hz
consumption: 15W

CABLE GLANDS

Services



PKX SERIES

SOLENOID DOSING PUMP



PKX SERIES

General information

PKX Series metering pumps are the ideal solution for operators who want to achieve precise low-volume dosing with an exceptional price/quality ratio. This packaged solution includes a mounting bracket to simplify wall or horizontal installation.

- Flow rate: up to 10 l/h
- Operating pressure: up to 7 bar
- Max. stroke rate: 120 impulses/min
- Manual air bleed pump head
- Available with removable power cable
- Extra quiet-running version available upon request
- IP65 ingress protection

Materials

- Case: Reinforced, chemically resistant PP
- Pump head: PP
- Valves: FPM lips
- Diaphragm: PTFE
- Pump head options include PVDF with ceramic balls and auto-bleeding

INSTALLATION KIT

PP-FPM kit

PP injection valve, PP foot filter, PVC suction tube and PE discharge tube.

Flow Rate	Code
up to 20l/h	2061002



Technical Specification

Version	Flow rate	Pressure	Max frequency	Injection volume	Connections Int/Ext	Power supply
	l/h (US Gal/h)	bar (psi)	imp/min	cc per stroke	mm	Min/Max (W)
0105	1 (0.26)	5 - 72	120	0.14	4x6	230V - 50 - 60 Hz
0206	2 (0.53)	6 - 87	120	0.28	4x6	230V - 50 - 60 Hz
0505	5 (1.32)	5 - 72	120	0.69	4x6	230V - 50 - 60 Hz
0507*	5 (1.32)	7 - 101	120	0.69	4x6	230V - 50 - 60 Hz
0702	7 (1.84) 10 (2.64)	2 - 29 1 - 14	120	0.97	4x6	230V - 50 - 60 Hz

*Only PKX MA/A

MA/A

Analogue solenoid dosing pump

Compact solenoid dosing pump with configurable foot or wall mount bracket.

FEATURES

- Manual flow rate adjustment: 0 – 100%
- Flashing LED under working conditions
- PP reinforced housing
- PP pump head with lip valves



Models

PKX MA/A	Version
PKX 01 028 01	0105
PKX 01 289 01	0206
PKX 01 039 01	0505
PKX01 038 01	0507
PKX 01 040 01	0702

FT/A

Proportional solenoid dosing pump

Compact solenoid dosing pump with configurable foot or wall mount bracket.

FEATURES

- Proportional dosing mode (free tension contact)
- Volumetric proportional (F type): 1:1 (1 dose per pulse)
- Volumetric with timer (T type): 1 pulse, the pump will dose for a period of time (from 0 to 60 sec) adjustable from 0 to 100%
- Level probe input
- PP reinforced housing
- PP pump head with lip valves



Models

PKX FT/A	Version
PKX 30 028 01	0105
PKX 30 289 01	0206
PKX 30 039 01	0505
PKX 30 040 01	0702

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

KNOB

Adjust of injections/min numbers (0÷100% max flow)

CASE

Chemical resistant polypropylene

PUMP HEAD

Polypropylene (PP)

VALVES

FPM lip
FPM seals

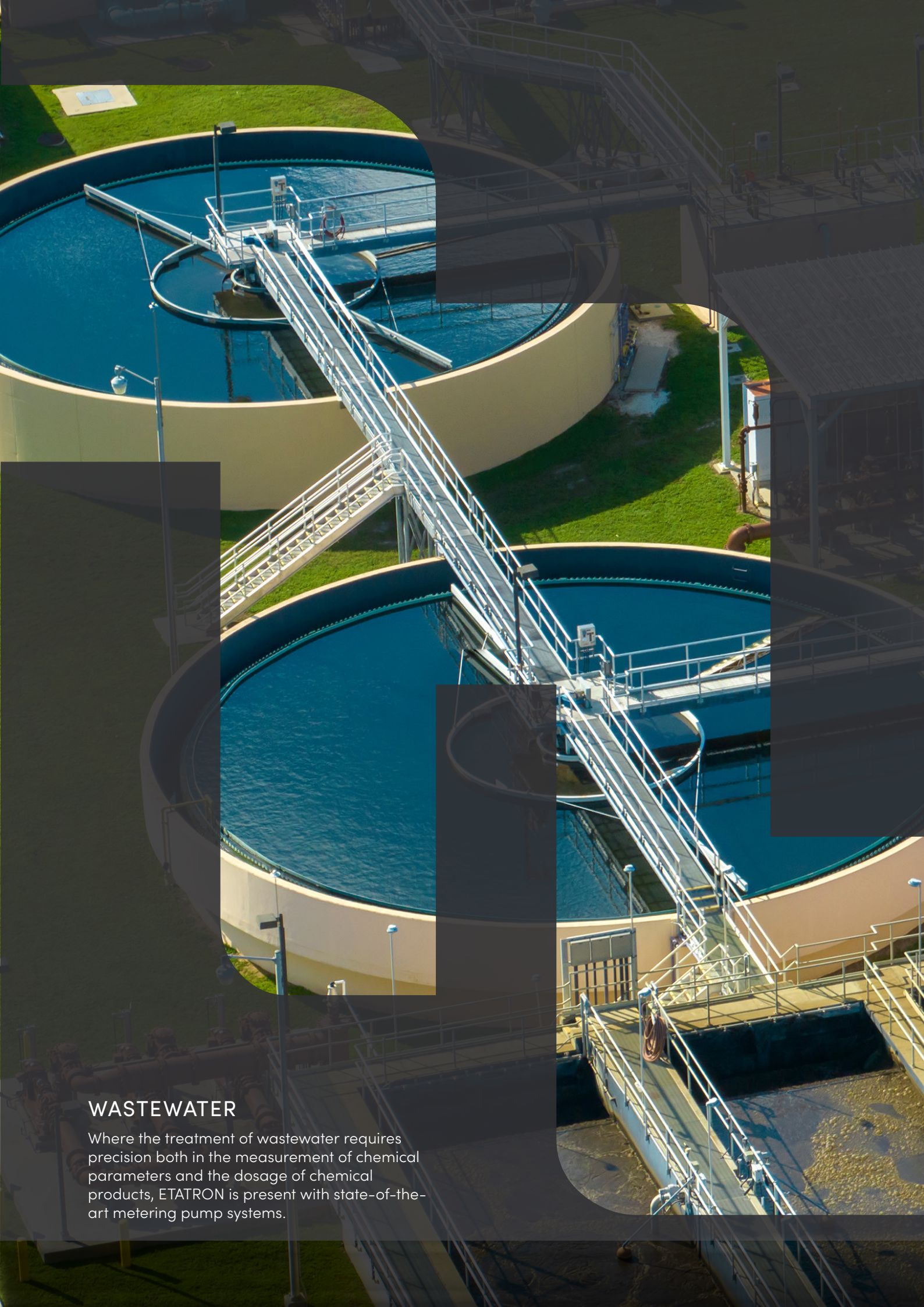
POWER SUPPLY

220/240 V 50-60Hz
Maximum power consumption: 32W

MOUNTING BRACKET

To install the pump indifferently on a wall (vertical) or on a tank (horizontal)





WASTEWATER

Where the treatment of wastewater requires precision both in the measurement of chemical parameters and the dosage of chemical products, ETATRON is present with state-of-the-art metering pump systems.

DLX SERIES

SOLENOID DOSING PUMP



DLX SERIES

General information

The exceptional reliability and affordability of ETATRON's DLX/DLXB foot or wall mounting place it at the forefront of the dosing systems market where value for money and extensive service life are essential.

- Anti-acid Polypropylene plastic casing
- Up to 8 l/h and 15 bar
- Power supply: 220-240V - 120V (on request)
- Stroke frequency: 120 strokes/min
- IP65 ingress protection

Materials

- Case: Reinforced, chemically resistant PP
- Pump head: PVDF
- Valves: Ceramic balls and FPM seals*
- Diaphragm: PTFE

*different configurations available upon request

INSTALLATION KIT

PVDF-FPM kit

ALL DLX are supplied with a PVDF-FPM installation kit, made up of 2m discharge PE tube (4x6mm), 2m suction + 2m bleeding PVC crystal tube (4x6mm), PVDF foot-filter, PVDF injection valve. Other configurations are available upon request.

Flow Rate	Code
1-15l	SCO 00300 01



Technical Specifications

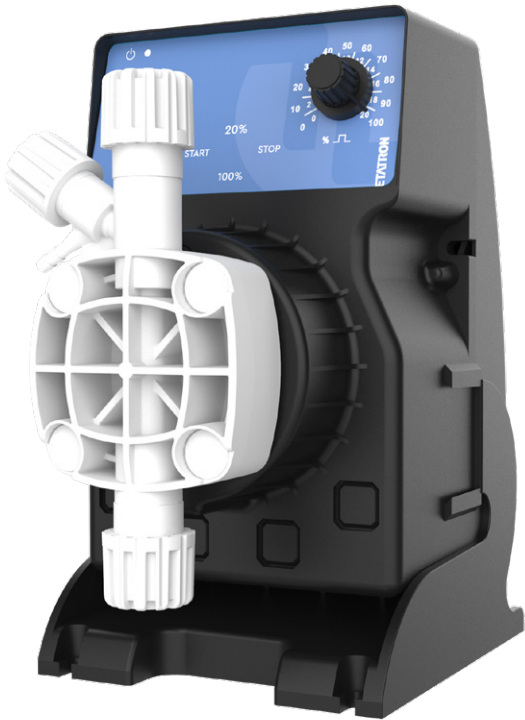
Version	Flow rate	Pressure	Max frequency	Injection volume	Power supply	Power consumption	Net weight
	l/h (US Gal/h)	bar (psi)	imp/min	cc per stroke		W	Kg
0115	1 (0.26)	15 (217)	120	0,14	230V - 50 - 60 Hz	37	2.3
	2 (0.53)	10 (145)		0,28			
	3 (0.78)	5 (72)		0,42			
0507	5 (1.32)	7 (101)	120	0,69	230V - 50 - 60 Hz	37	2.3
	6 (1.59)	5 (72)		0,83			
	8 (2.12)	2 (29)		1,11			

MA/AD
Analogue dosing pump with manual low rate regulation

The DLX MA/AD model consists of a series of metering pumps that can be manually regulated via a control knob.

FEATURES

- Double manual regulation
- Selectable regulation range: 0-20% or 0-100%



Models

DLX MA/AD (Wall mounting)	DLXB MA/AD (Foot mounting)	Version
PLX 23 222 5E	PBX 23 222 5E	0115
PLX 23 038 5E	PBX 23 038 5E	0507

MA/MB

Digital dosing pump with manual flow rate regulation

The DLX MA/MB model consists of a series of microcontroller metering pumps offering digital dosing and manual regulation.

FEATURES

- Seven-segment display
- Manual flow-rate adjustment
- Level input (supplied without probe)
- Flow sensor (also available without)



Models

DLX MA/MB (Wall mounting)	DLXB MA/MB (Foot mounting)	Version
PLX 24 222 5E	PBX 24 222 5E	0115
PLX 24 038 5E	PBX 24 038 5E	0507

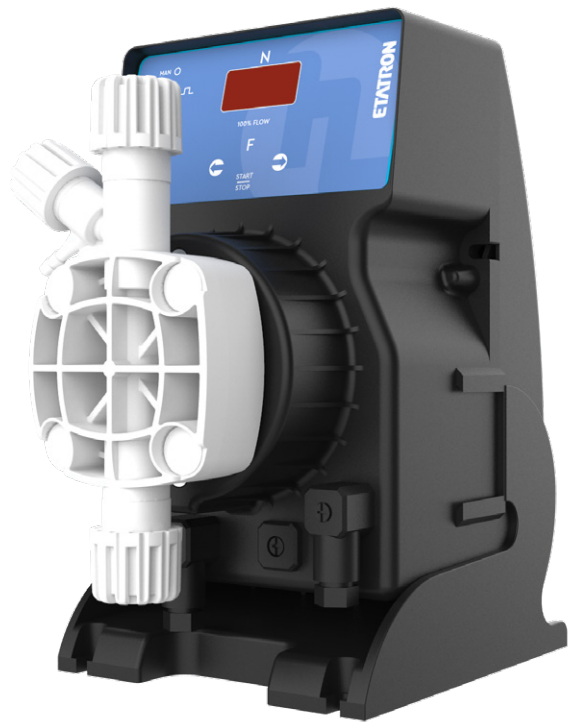
VFT/MBB

Volumetric digital solenoid dosing pump

This model consists of a series of metering pumps that perform proportional dosing via a contact water meter.

FEATURES

- Seven-segment display
- Digital manual flow rate adjustment from 0-100%
- Proportional dosing functions via reed water meter: 1xn; 1xn (m) 1:n
- Manual air bleed pump head (automatic air bleed available on request)
- Relay output
- Level switch connector



Models

DXL VFT/MBB (Wall mounting)	DLXB VFT/MBB (Foot mounting)	Version
PLX 39 222 5E	PBX 39 222 5E	0115
PLX 39 038 5E	PBX 39 038 5E	0507

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

7 segment

CASE

Chemical resistant polypropylene

PUMP HEAD

PVDF

VALVES

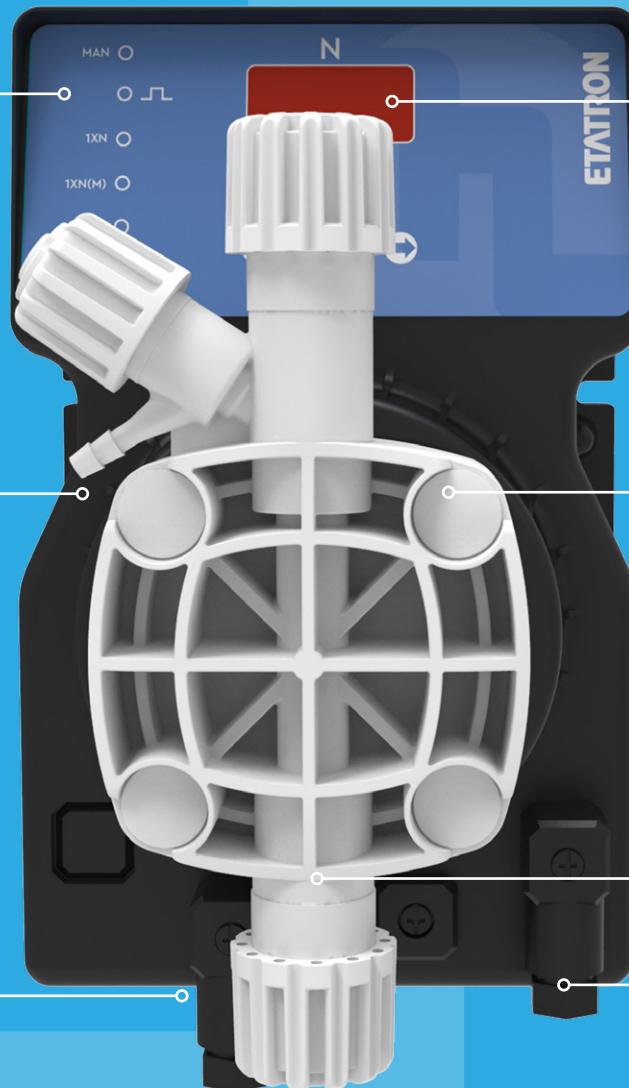
Ceramic balls
FPM seals

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 37W

CONNECTORS

Service output



MULTIFLOW

SOLENOID DOSING PUMP



MULTIFLOW

General information

As an option on the Multiflow B version, for base mounting, the can be supplied with stroke length control, which enables dosing volume to be quickly and easily adjusted between 20% and 100%.

- Anti-acid plastic casing
- Up to 50 l/h and 16 bar
- Power supply: 220-240V
- Stroke frequency: from 111 to 300 strokes/min
- IP65 ingress protection

Materials

- Case: Reinforced, chemically resistant PP
- Pump head: PVDF
- Valves: Ceramic balls and FPM seals*
- Diaphragm: PTFE

*different configurations available upon request

INSTALLATION KIT

PVDF-FPM kit

All Multiflow are supplied with a PVDF-FPM installation kit, made up of 2m discharge PE tube (4x6mm), 2m suction + 2m bleeding PVC crystal tube (4x6mm), PVDF foot-filter, PVDF injection valve. Other configurations are available upon request.

Flow Rate	Code
1-15l	SCO 00300 01
20 - 50 l	SCO 00310 21



Technical Specifications

Version	Flow rate	Pressure	Max frequency	Injection volume	Power supply	Power consumption	Net Weight
	l/h (US gal/h)	bar (psi)	imp/min	cc per stroke		W	Kg
0216	2 (0.53)	16 (232)	111	0,30	230V - 50 - 60 Hz	37	2.3
	5 (1.32)	12 (174)	146	0,57			
	8 (2.12)	10 (145)	222	0,60			
0807	8 (2.12)	7 (101)	150	0,89	230V - 50 - 60 Hz	37	2.3
	10 (2.64)	5 (72)	170	0,98			
	20 (5.26)	2 (29)	250	1,33			
3003	30 (7.92)	3 (43)	214	2,34	230V - 50 - 60 Hz	37	2.9
	40 (10.46)	1 (14)	240	2,78			
	50 (13.20)	0 (0)	300	2,78			

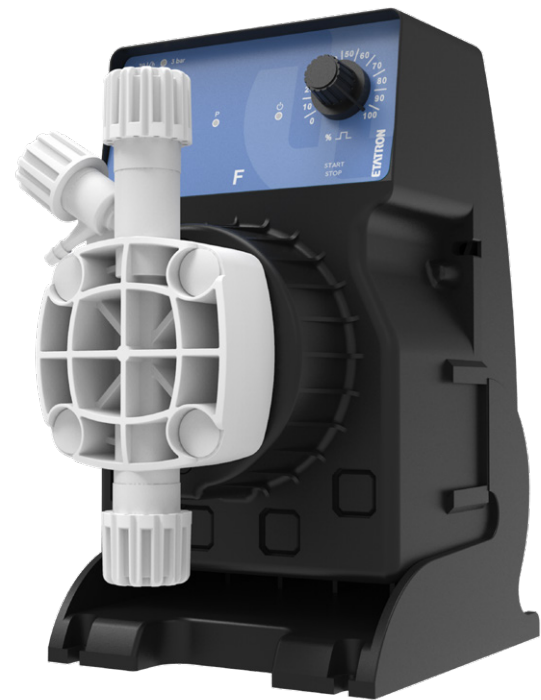
MA

Analogical dosing pump with model selection and manual flow rate adjustment

The MultiFlow MA is an electromagnetic pump with constant flow rate, manually adjustable via a potentiometer. The model (max flow rate/working pressure) can be selected by the user

FEATURES

- Manual adjustment of flow rate
 - Regulation range: 0-100%
 - Level probe input (upon request)
 - Acid resistant plastic box
 - IP65 protection degree
 - Max Flow rate: 35 l/h; Max backpressure: 10 bar
 - Wall or horizontal basement mounting
 - Standard pump head: in PVDF, diaphragm in PTFE, seats in FPM, ceramic ball valves*
 - Standard power supply: 220-240V
-
- * further configurations available on request
 - ** other power supplies available on request



Models

Multiflow MA (Wall mounting)	MultiflowB MA (Foot mounting)	Version
PVDF	PDVF	
PMF 01 420 5E	PBM 01 420 5E	0216
PMF 01 418 5E	PBM 01 418 5E	0807
PMF 01 419 5E	PBM 01 419 5E	3003

MF

Multifunction solenoid dosing pump with microprocessor

The DLX MultiFlow MF is a multifunction dosing pumps with microprocessor and display enabling an accurate injection pulses choice. The model (max flow rate/working pressure) can be selected by the user.

FEATURES

- Manual flow rate adjustment 0÷100%,
- Proportional dosing mode 1xn; 1xn (M), 1/n, PPM, 4-20 mA programmable
- Daily and weekly timer (8 programs/day)
- Relay output
- Clock and Buzzer
- level probe input
- Automatic air bleed available on request; from 5 to 15 l/h



pH-Rx

Integrated Instrumental dosing pump

The DLX MultiFlow pH - Rx model consists of a series of microcontroller dosing pumps with pH or Rx (mV), control and regulation built-in instrument.

FEATURES

- Backlight LCD display
- Manual air bleed pump head; from 5 to 15l/h automatic air bleed available on request
- pH and RX inputs. Measuring ranges: 0÷14pH; -1000 ÷ +1400mV;
- Manual (only) Temperature compensation 0÷100°C
- ON/OFF or proportional operating modes
- Hysteresis
- Switching-on delay
- Level probe input
- Alarms setting



FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlight

CASE

Chemical resistant polypropylene

PUMP HEAD

PVDF

VALVES

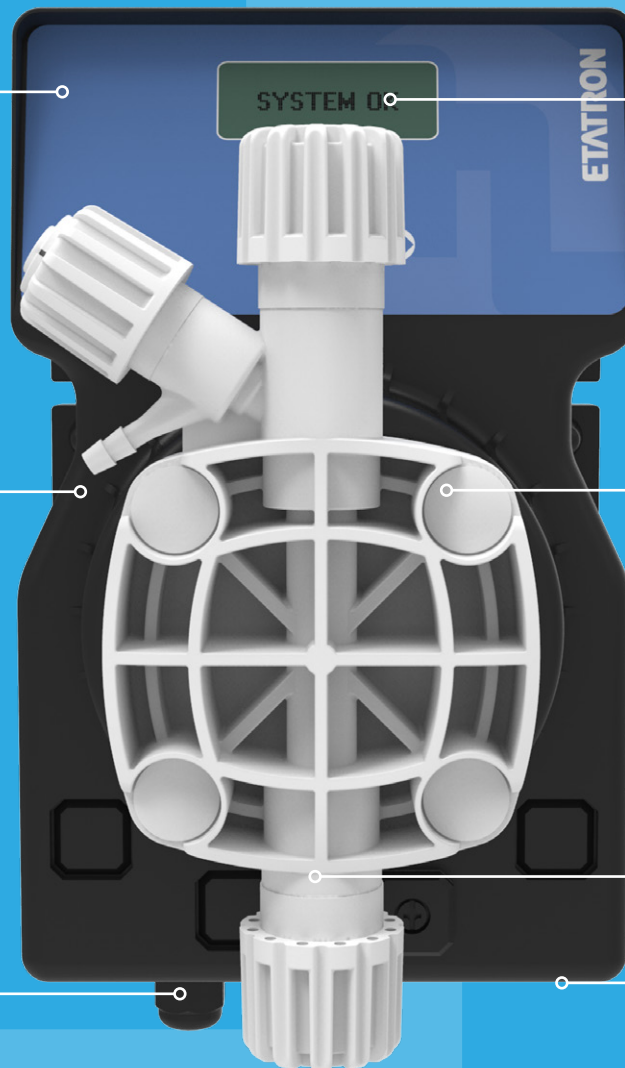
Ceramic balls
FDM seals

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 37W

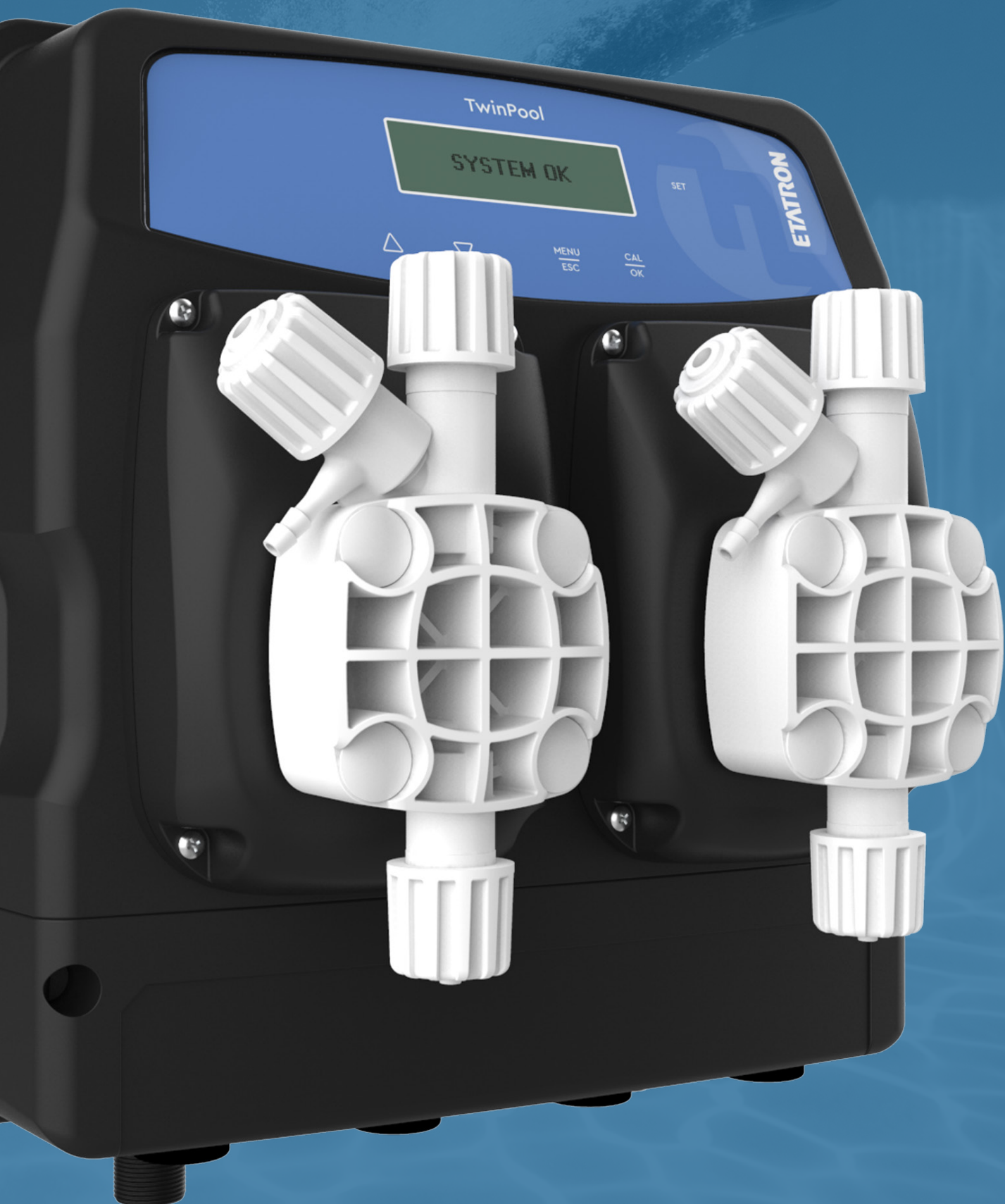
CONNECTORS

Service output



TWINPOOL

SOLENOID DOSING PUMP



TWINPOOL

General information

Twinpool is a compact, easy-to-use system consisting of two dosing pumps and two parameter controllers designed to measure pH, redox and temperature.

Conceived primarily for the swimming pool sector, Twinpool is available in both peristaltic and solenoid versions, while the system can be equipped with a complete calibration kit, including sensors and mounting accessories, on request.

- Over-dosing alarm
- level control, alarm output relay
- Power supply: 230V 50-60Hz
- Wall mounting
- IP65 ingress protection

Materials

- Case: Reinforced, chemically resistant PP
- Pump head: PVDF
- Valves: Ceramic balls and FPM seals
- Diaphragm: PTFE

INSTALLATION KIT

PP-FPM kit

PP injection valve, PP foot filter, PVC suction tube and PE discharge tube.

Flow Rate	Code
up to 20l/h	2061002



Technical Specifications

Version	Flow rate	Pressure	Max frequency	Power supply	Power consumption	Net weight
	l/h (US gal/h)	bar (psi)	imp/min	cc per stroke	W	Kg
0206	2 (0.53)	6 (87)	120	230V - 50 - 60 Hz	65	3,5
0505	5 (1.32)	5 (72)	120	230V - 50 - 60 Hz	65	3,5

PH/RX
Dual-parameter dosing and regulation
system

FEATURES

- Backlit graphic display and keypad
- Three relays fully selectable: on timer mode (weekly/daily) or as an additional set-point (including the temperature)
- Three programming menus: set-point, calibration and settings
- Measurement range: pH 0 – 14; Redox: – 1000 / + 1400 mV; Temperature 0 – 100 °C (PT100)
- Inputs: level probes; flow sensor; PT100 probe; proximity switch
- Manual dosing (ON-OFF): 0 – 120 pulses/minute
- Proportional dosing via self-regulation of stroke frequency
- Flow rate up to 5 l/h and pressure up to 6 bar
- Hysteresis
- Activation delay when switched on
- One additional relay dedicated to alarm signals
- 4-20mA output fully programmable



Models

TwinPool pH-Rx		Version
PVDF		
CXB 801 01 01		0206
CXB 801 11 01		0505

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlight
Blue/White 16 digits

CASE

Chemical resistant polypropylene

COVER

Terminal box cover

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 65W

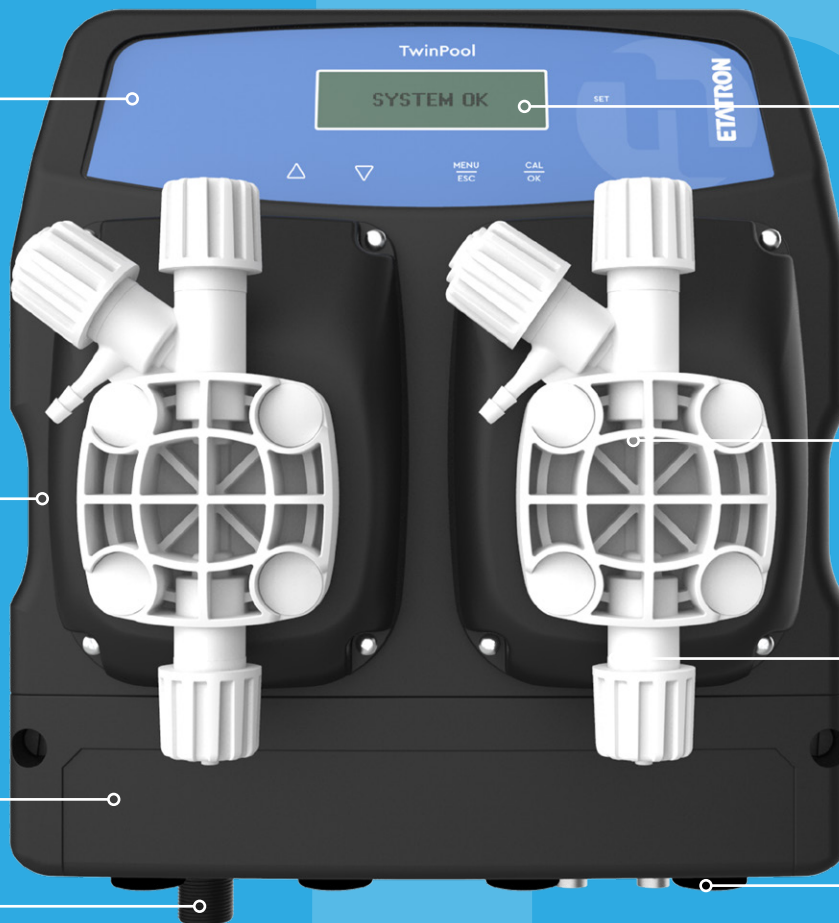
PUMP HEAD

PVDF

VALVES

Ceramic balls
FDM seals

CABLE GLANDS



COMPLETE PUMP HEADS

PP MANUAL AIR BLEED PUMP HEAD 1-15 l/h

Standard manual air bleed PP pump head, lip valves.
Connections for 4x6 tube.

O-ring	Code
*FPM	SCP 00030 02
EPDM	SCP 00030 06

*PKX default part



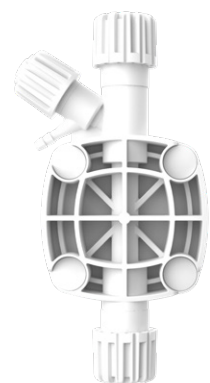
PVDF MANUAL AIR BLEED PUMP HEAD 1-15 l/h

Manual air bleed PVDF pump head, ceramic ball valves.
Up to 15 bar

O-ring	Code
*FPM	SCP 80068 51
TFE/P	SCP 80068 71
EPDM	SCP 80068 61

*Default

Max pressure - 15 bar

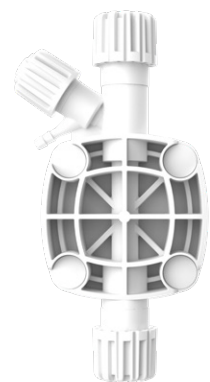


PVDF AUTOMATIC AIR BLEED PUMP HEAD 5-15 l/h

This pump head enables the automatic bleed-off of
gas generated by gaseous liquids, ceramic ball valves.

O-Ring	Code	With diaphragms
FPM	SCP 80169 51	KCP 80169 51
TFE/P	SCP 80169 71	KCP 80169 71
EPDM	SCP 80169 61	KCP 80169 61

Max pressure - 12 bar



PLEXIGLAS®

Plexiglas® pump head for high-viscosity chemicals, supplied with stainless-steel ball valves.

Connections for 10x14

Flow rate	Code
2-15 l/h (10x14)	SCP 00022 04
20 l/h (10x14)	SCP 00023 04
30-50-80 l/h (1" GM)	SCP 00024 04

Ball check valves in ceramic on request.

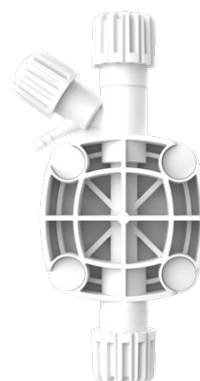


PVDF MANUAL AIR BLEED PUMP HEAD EONE/TWINPOOL 1-15 l/h

Standard pump head for eOne and TwinPool, ceramic ball valves.

Connections for 4x6 and 6x8 tubes.

O-ring	Code
TFE/P	SCP 81054 71
TFE/P (10 piece kit)	KCP 81054 71
FPM	SCP 81054 51
EPDM	SCP 81054 61



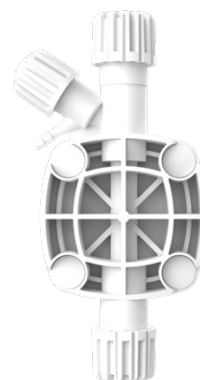
PVDF MANUAL AIR BLEED PUMP HEAD EONE 20-30 l/h

Standard pump head for eOne, ceramic ball valves.

Connections for 4x6 and 6x8 tubes.

O-ring	Code
*TFE/P	SCP 80068 71
FPM	SCP 80068 51
EPDM	SCP 80068 61

*Default

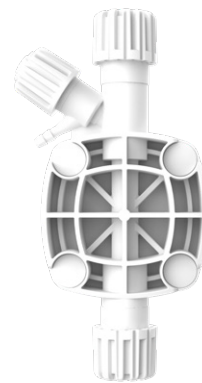


PVDF AUTOMATIC AIR BLEED PUMP HEAD EONE/TWINPOOL 1-15 l/h

Pump housing with automatic bleeding, ceramic ball valves.

The application of this type of head involves a reduction in the scope of the apparatus in the range between 10% and 20%, compared to the configuration with the pump body manual purge.

Connections for 4x6 and 6x8 tubes.



O-ring	Code
TFE/P	SCP 80154 71
FPM	SCP 80154 51
EPDM	SCP 80154 61

ACCESSORIES

PVC SUCTION LANCE

Adjustable-height suction lance with foot valve/filter and float switch. Includes locking nut. The suction lance for eOne model is supplied without a connector.

Tube	TFE/P - EONE (without connector)	FPM	EPDM
4x6 - 35cm	SSO 00008 75	SSO 00008 05	SSO 00008 15
4x6 - 60cm	SSO 00008 71	SSO 00008 01	SSO 00008 11
4x6 - 80cm	SSO 00008 72	SSO 00008 02	SSO 00008 12
4x6 - 100cm	SSO 00008 73	SSO 00008 03	SSO 00008 13
4x6 - 130cm	SSO 00008 74	SSO 00008 04	SSO 00008 14
10x14 - 100cm		SSO 00006 01	SSO 00006 11
10x14 - 130cm		SSO 00006 04	SSO 00006 14
10x14 - 150cm		SSO 00006 05	SSO 00006 15



EXTRACTABLE INJECTION LANCE

This product allows additive injection to a maximum distance of 20 cm from the attachment point on the main pipe. The lance features a 1/2" GM connection for 4x6 tube with a maximum flow rate of 20 l/h and maximum pressure of 10 bar.

Dosing at a certain distance from the inner wall of metal tubes reduces the risk of corrosion, while the lance's valve body can be inspected in the field.

Material	PVDF with Valve - Connection - 1/2"	PVDF - Connection - 1/2"
FPM	SSO 14310 01	SSO 04310 01
EPDM	SSO 14310 11	SSO 04310 11
TFE/P	SSO 14310 21	SSO 04310 21



SIGNAL SPLITTER

The Signal Splitter connects two proportional dosing pumps to one water meter.

Signal Splitter	Code
	SCA 00171 12



PH/RX PUMP ACCESSORIES

pH MyPool pump accessories include: pH plastic body electrode with 5m cable; pH7 and pH9 buffer solutions in 55 ml containers; floating level switch complete with plastic support; 1/2" inline PP electrode holder; 1/2"GF-DN50 clamp saddle for electrode holder (2 pcs); PVC M/F 1/2"-3/8" reduction nipple; and PP tube nut (2 pcs).

Liquid	Code
pH (buffer solution 7-9) MyPool-TwinPool-eOne	SCO 00030 01
pH (buffer solution 4-7) MyPool-TwinPool-eOne	SCO 00030 05
pH (buffer solution 4-7-9) DLX	SCO 00035 01
Rx (buffer solution 650 mV) MyPool-TwinPool-eOne	SCO 00030 02
Rx (buffer solution 650 mV) DLX	SCO 00035 02



FLOATING LEVEL SWITCH

Floating level switch complete with plastic support to be linked to the foot filter provided. Foot filter weight allows the floating switch to be adjusted to the desired height inside the chemical tank.

Connection	Code
with connector	SSO 00004 02
without connector (eOne)	SSO 01035 02



CONVERSION KIT

Conversion kit for integrated level sensor

Connection	Code
PVDF without connector (eOne)	KFT 00006 01
PVDF with connector	KFT 00006 11



FOOT FILTER WITH LEVEL SWITCH

The Foot Filter includes a ceramic ball valve and comes complete with level sensor

Material	Code
PP body, FPM seals, with connector	SFT 01300 02
PP body, EPDM seals, with connector	SFT 01300 12
PVDF body, FPM seals, with connector	SFT 01300 01
PVDF body, EPDM seals, with connector	SFT 01300 11
PVDF body, TFE seals, with connector	SFT 01300 21
PVDF body, TFE seals, without connector (eOne)	SFT 01300 23



PVC REDUCTION NIPPLE

Reduction nipple 1/2" GM to 3/8" GF.

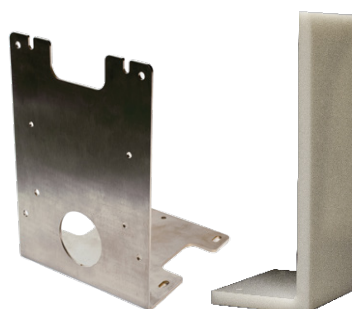
Kit	Code
10 pieces	KRA 00058 01



SUPPORT BRACKET

Stainless-steel support bracket for wall or foot mounting for DLXB pump series.
Polyethylene (PE) support bracket for foot-mounted DLX and eOne.

Product	Code
DLXB (2mm)	DSU 00050 01
DLXB (3mm)	DSU 00050 02
DLX - eOne	ASU 00065 01



CONNECTORS DLX KIT

Level and meter connectors plus service output and relay for DLX.

Connector Kit	Code
DLX Level and meter connectors 10 pieces	KCN 00012 01
DLX Service output or relay 5 pieces	KCN 00013 01



FLOW SENSOR

Flow sensor with PVDF PTFE stir bar for eOne dosing pumps with flow rates up to 30 l/h and for BT MA/M, BT MF and DLX(B) MF/M with flow rates up to 20 l/h. Connections for 4x6 and 6x8 tubes.

Flow sensor with PVC PTFE stir bar for BT MA/M and BT MF dosing pumps (30 – 50 – 80 l/h).

Material	Code
PVDF – TFE/P per eOne	SSN 00012 01
PVDF – TFE/P – DLX/BT with connector	SSN 00012 21
PVC – FPM 30 – 50 – 80 l/h	SSN 00010 01



RELIEF VALVE

Overflow valve with PVC body and PTFE diaphragm. Manual adjustment of opening back pressure. Threaded connections 3/8 "G.F.

Hose nipples kit (2 pump head nipples + 2 hose nuts + 2 o-rings).

Relief valve (250 l/h)	Hose nipples kit	Code
PVC-PTFE-EPDM		AVA 00101 01
	4x6 PP – FPM	KRA 00053 01
	4x6 PVDF – FPM	KRA 00053 11
	10x14 PP – FPM	KRA 00054 01



PULSATION DAMPENER

Pulsation damper with PVC configuration, FPM and EPDM diaphragm and 3/8" gas connection with a maximum pressure of 10 bar and 0.05 l volume.

Material	Code
FPM Membrane	APL 00003 01
EPDM Membrane	APL 00003 02



CALIBRATION CYLINDER

100 ml plastic graduated calibration cylinder with bypass PP-PVC

Tube	Code
4x6	SCG 00004 01
6x8	SCG 00004 02



ST-D SERIES

MOTOR DRIVEN DOSING PUMP



ST-D SERIES

General information

The “ST-D” series of pumps have been designed and manufactured for dosing liquids free or with suspended solid particles

The pump comprises of four basic sections: motor drive, gearbox, pump head and non return valves

As standard an electric motor supplies the power to the gear box.

Material

- Case: Die-cast aluminium housing protected by epoxy/antiacid paint
- Pump head: AISI, PP, PVC (on request PVDF)
- Diaphragm: PTFE

INSTALLATION KIT

Supplied without injection valve or foot filter

PUMP HEAD CONFIGURATIONS

Version	Head	Connections	Membrane	Valve Seats	Balls	Ball Seats
AA	AISI316L	AISI316L	PTFE/NBR	PVDF	AISI316L	NBR
CA	PP	PVC	PTFE	PVC	Ceramica	FPM
BA	PVC	PVC	PTFE/NBR	PVC	Ceramica	FPM

Technical Specifications

Model	Flow rate l/h (US gal/h)		Delivery Head bar (psi) AISI		Delivery Head bar (psi) PP		Strokes/min		Stroke length	Ø Diaphragm	Power	Valves
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	mm	mm	kW	
AD0016	16 (4,23)	19 (5,07)	14 (203)	14 (203)	14 (203)	14 (203)	60	72	4	50	0,18	1/2" Gm
AD0033	33 (8,72)	40 (10,46)	14 (203)	12 (174)	14 (203)	12 (174)	120	144	4	50	0,18	1/2" Gm
AD0030	30 (7,92)	36 (9,51)	11 (160)	11 (160)	11 (160)	11 (160)	60	72	4	67	0,18	1/2" Gm
AD0060	60 (15,85)	72 (19,02)	11 (160)	10 (145)	11 (160)	10 (145)	120	144	4	67	0,18	1/2" Gm
AD0061	61 (16,12)	73 (19,34)	7 (102)	6,5 (94)	7 (102)	6,5 (94)	60	72	4	85	0,18	1/2" Gm
AD0123	123 (32,50)	148 (39,00)	6 (87)	5 (72)	6 (87)	5 (72)	120	144	4	85	0,18	1/2" Gm

Model	Flow rate l/h (US gal/h)		Delivery Head bar (psi) AISI		Delivery Head bar (psi) PVC		Strokes/min		Stroke length	Ø Diaphragm	Power	Valves
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	mm	mm	kW	
AD0150	150 (39,62)	180 (47,55)	5 (73)	4 (58)	5 (73)	4 (58)	60	72	10	95	0,25	1" Gm
AD0300	300 (79,25)	360 (95,10)	5 (73)	4 (58)	5 (73)	4 (58)	120	144	10	95	0,25	1" Gm

ST-D

Membrane motor driven dosing pumps

ST-D series metering pumps, known for their robustness and reliability, are electric motor driven with dosing controlled via a PTFE membrane.

FEATURES

- Frequency: 60 – 120 strokes/min at 50Hz; 72 – 144 strokes/min at 60Hz
- Die-cast aluminium housing protected by epoxy/antiacid paint
- Maximum flow rate: 123 l/h at 50Hz; 148 l/h at 60Hz
- Standard power supply: 230–400V; 50/60Hz
- Maximum pressure: 14 bar
- Motor: 0.18 kW
- Pump head: PP, PVC, AISI316 (on request PVDF)
- Valves: balls in ceramic or SS316L
- Ball seats FPM, EPDM or NBR
- Valve seats in PVC or PVDF
- Membrane in PTFE
- IP55 ingress protection
- F insulation class



Models

Code	Flow rate	Delivery Head	Delivery Head	Delivery Head
	l/h	AISI	PVC	PP
AD0016AA00100	16 (4,23)	14 (203)		
AD0033AA00100	33 (8,72)	14 (203)		
AD0030AA00100	30 (7,92)	11 (160)		
AD0060AA00100	60 (15,85)	11 (160)		
AD0061AA00100	61 (16,12)	7 (102)		
AD0123AA00100	123 (32,50)	6 (87)		
AD150AA00A000	150 (39,62)	5 (72)		
AD300AA00A000	300 (79,26)	5 (72)		
AD150BA00A000	150 (39,62)		5 (72)	
AD300BA00A000	300 (79,26)		5 (72)	
AD0016CA00100	16 (4,23)			14 (203)
AD0033CA00100	33 (8,72)			14 (203)
AD0030CA00100	30 (7,92)			11 (160)
AD0060CA00100	60 (15,85)			11 (160)
AD0061CA00100	61 (16,12)			7 (102)
AD0123CA00100	123 (32,50)			6 (87)

FEATURES & MATERIALS

POWER SUPPLY

230-400V 50-60Hz

CASE

Die-cast aluminium housing protected by epoxy/antiacid paint

MOTOR

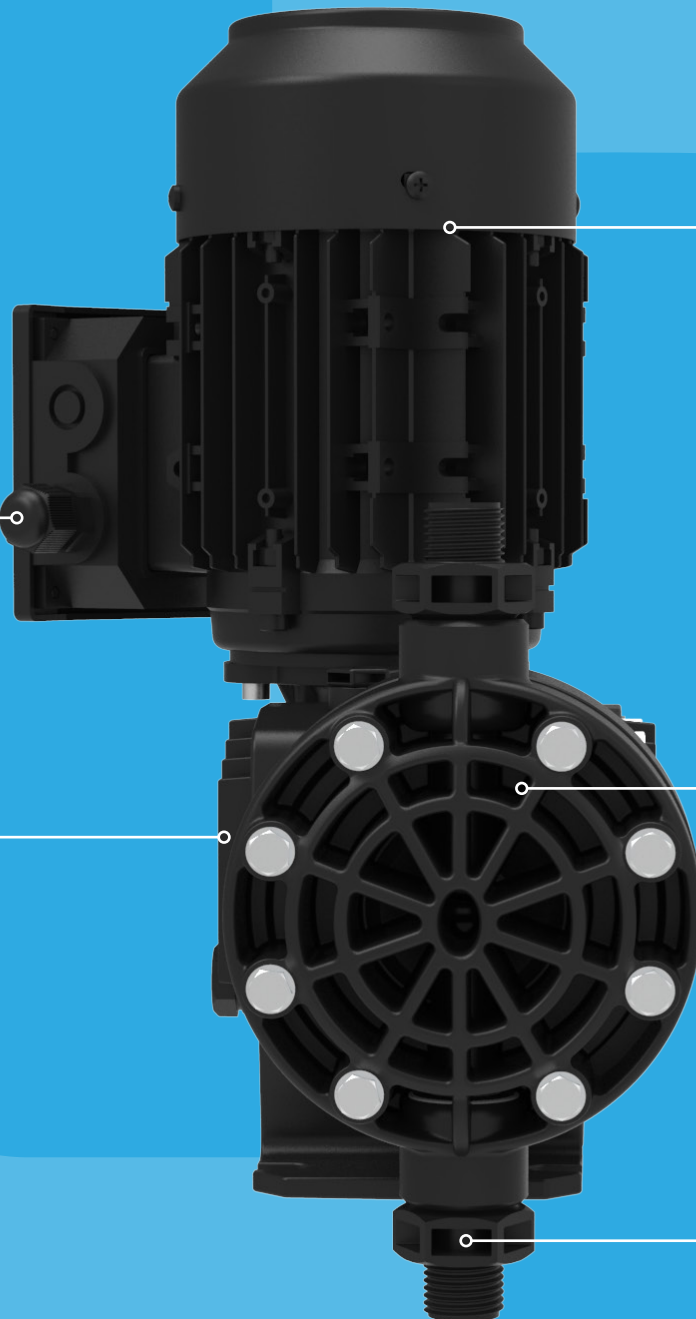
Three phase

PUMP HEAD

AISI or PP or PVC

VALVES

Ceramic balls
FDM seals or
SS316L balls
NBR seals



ST-P SERIES

MOTOR DRIVEN DOSING PUMP



ST-P SERIES

General information

The “ST-P” series of pumps have been designed and manufactured for dosing liquids free of suspended solid particles.

The pump comprises of four basic sections: motor drive, gearbox, pump head and non return valves. The pumping action is performed by a piston, which has a reciprocating movement within the pump head. All parts are in direct contact with the liquid being metred. The sealing effect is achieved by rings of material suited to the liquid being handled.

Material

- Case: Die-cast aluminium housing protected by epoxy/antiacid paint
- Pump head: AISI, PVC (on request PVDF)

INSTALLATION KIT

Supplied without injection valve or foot filter

PUMP HEAD CONFIGURATIONS

Version	Head	Connections	Piston	Piston Seals	Valve Seats	Balls	Ball Seats
AA	AISI316L	AISI316L	AISI316L	NBR	PVDF	AISI316L	NBR
BA	PVC	PVC	Ceramica	FPM	PVC	Ceramica	FPM

Technical Specifications

Model	Flow rate l/h (US gal/h)		Delivery Head bar (psi) AISI		Delivery Head bar (psi) PVC		Strokes/min		Stroke length	Ø Diaphragm	Power	Valves
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	mm	mm	kW	
AP0011	11 (2,91)	13 (3,49)	20 (290)	20 (290)	10 (145)	10 (145)	60	72	15	16	0,18	1/2" Gm
AP0022	22 (5,81)	-	20 (290)	-	10 (145)	-	120	-	15			
AP0039	39 (10,30)	47 (12,36)	13,5 (196)	11 (157)	10 (145)	10 (145)	60	72	15	30	0,18	1/2" Gm
AP0077	77 (20,34)	-	10 (145)	-	10 (145)	-	120	-	15			
AP0095	95 (25,10)	114 (30,12)	4.5 (65)	4 (58)	4.5 (65)	4 (58)	60	72	15	48	0,18	3/4" Gm
AP0190	190 (50,20)	-	3.5 (51)	-	3.5 (51)	-	120	-	15			
AP0112	112 (29,59)	134 (35,4)	6 (87)	6 (87)	6 (87)	6 (87)	60	72	17	48	0,25	1/2" Gm
AP0225	225 (59,5)	-	6 (87)	-	6 (87)	-	120	-	17			

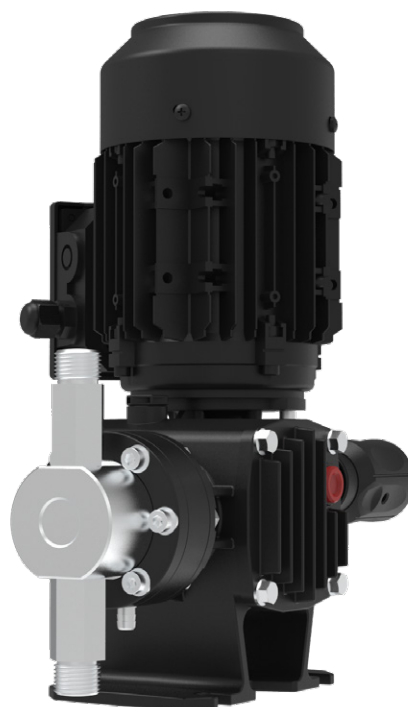
ST-P

Plunger Piston Motor-driven pumps

ST-P series metering pumps are driven by an electric motor with dosing controlled via piston. These robust systems are known for their reliability across multiple application uses.

FEATURES

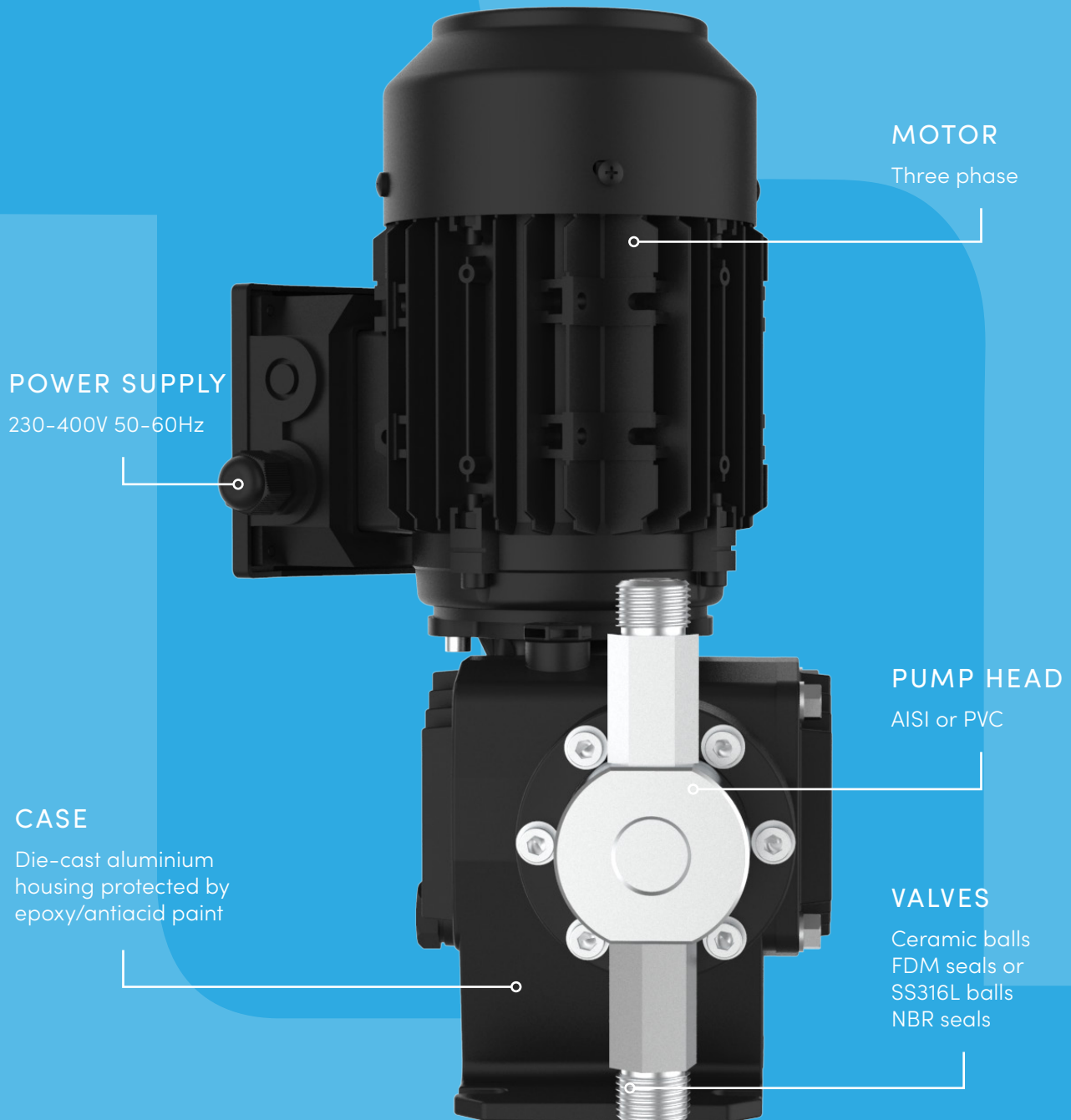
- Working frequency: 60 - 120 strokes/min at 50Hz; 72 - 144 strokes/min at 60Hz
- Die-cast aluminium housing protected by epoxy/antiacid paint
- Maximum flow rate: 190 l/h at 50Hz; 114 l/h at 60Hz
- Standard power supply: 230-400V, 3 phase, 50/60Hz
- Pump head: PVC, SS316L (on request PVDF)
- Valves: balls in ceramic or AISI316L
- Ball seats: FPM, EPDM or NBR
- Valve seats: PVC or PVDF
- Piston: SS316 or ceramic
- Piston seals: NBR, FPM or EPDM
- Maximum pressure: 20 bar
- Motor: 0.18 kW
- IP55 ingress protection
- F insulation class



Models

Code	Flow rate l/h	Delivery Head	
		AISI	PVC
AP0011AA00100	11 (2,91)	20 (290)	
AP0022AA00100	22 (5,81)	20 (290)	
AP0039AA00100	39 (10,30)	13,5 (196)	
AP0077AA00100	77 (20,34)	10 (145)	
AP0095AA00100	95 (25,10)	4.5 (65)	
AP0190AA00100	190 (50,20)	3.5 (51)	
AP112AA00A000	112 (29,59)	6 (87)	
AP225AA00A000	225 (59,50)	6 (87)	
AP0011BA00100	11 (2,91)		10 (145)
AP0022BA00100	22 (5,81)		10 (145)
AP0039BA00100	39 (10,30)		10 (145)
AP0077BA00100	77 (20,34)		10 (145)
AP0095BA00100	95 (25,10)		4.5 (65)
AP0190BA00100	190 (50,20)		3.5 (51)
AP112BA00A000	112 (29,59)		6 (87)
AP225BA00A000	225 (59,50)		6 (87)

FEATURES & MATERIALS



D SERIES

MOTOR DRIVEN DOSING PUMP



D SERIES

General information

The "D" series of pumps have been designed and manufactured for dosing liquids free or with suspended solid particles.

The pump comprises of four basic sections: motor drive, gearbox, pump head and non return valves

The pumping action is performed by a diaphragm, which has a reciprocating movement within the pump head. All parts are in direct contact with the liquid being metred. The sealing effect is achieved by rings of material suited to the liquid being handled.

Material

- Case: Die-cast aluminium housing protected by epoxy/antiacid paint
- Pump head: AISI, PVC (on request PVDF)
- Diaphragm: PTFE

INSTALLATION KIT

Supplied without injection valve or foot filter

PUMP HEAD CONFIGURATIONS

Version	Head	Connections	Diaphragm	Valve Seats	Balls	Ball Seats
AA	AISI316L	AISI316L	NBR/PTFE	PVDF	AISI316L	NBR
BA	PVC	PVC	NBR/PTFE	PVC	Ceramica	FPM

Technical Specifications

Model	Flow rate l/h (US gal/h)		Delivery Head bar (psi) AISI		Delivery Head bar (psi) PVC		Strokes/min		Stroke length	Ø Diaphragm	Power	Valves
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	mm	mm	kW	
BD0079	79 (20,87)	95 (25,05)	12 (174)	11 (160)	10 (145)	10 (145)	60	72	10			
BD0135	135 (35,67)	162 (42,80)	10 (145)	8 (116)	10 (145)	8 (116)	103	122	10	75	0,25	3/4" Gm
BD0158	158 (41,74)	-	8 (116)	-	8 (116)	-	120	-	10			
BD0150	150 (39,63)	180 (47,56)	7,5 (109)	6 (87)	7,5 (109)	6 (87)	60	72	10			
BD0257	257 (67,90)	308 (81,48)	6 (87)	5 (73)	6 (87)	5 (73)	103	122	10	95	0,25	1" Gm
BD0300	300 (79,26)	-	5 (73)	-	5 (73)	-	120	-	10			
BD0278	278 (73,45)	334 (88,14)	3,5 (51)	3 (44)	3,5 (51)	3 (44)	60	72	10			
BD0478	478 (126,3)	574 (151,6)	2,5 (36)	2 (29)	2,5 (36)	2 (29)	103	122	10	115	0,25	1" Gm
BD0535	535 (141,4)	-	2 (29)	-	2 (29)	-	120	-	10			
BD0278	278 (73,45)	334 (88,14)	4 (58)	3,5 (51)	4 (58)	3,5 (51)	60	72	10			
BD0478	478 (126,3)	574 (151,6)	3 (43)	2,5 (36)	3 (43)	2,5 (36)	103	122	10	115	0,37	1" Gm
BD0535	535 (141,4)	-	2,5 (36)	-	2,5 (36)	-	120	-	10			

D

Diaphragm motor-driven dosing pumps

D series electric motor-driven metering pumps use an NBR/PTFE (material in contact with the liquid) diaphragm to perform dosing, while their key characteristics of robust design and reliability mean they're the choice of discerning operators across multiple sectors.

FEATURES

- Valves: single ball with SS316L pump head; double balls with PVC pump head
- Frequency: 60, 103 and 120 strokes/min at 50Hz; 72 and 122 strokes/min at 60Hz
- Diaphragm in NBR/PTFE - PTFE material in contact with the chemical
- Die-cast aluminium housing protected by epoxy/antiacid paint
- Maximum flow rate: 535 l/h at 50Hz; 574 l/h at 60Hz
- Standard power supply: 230-400V, 3phases, 50Hz
- Motor: 0.25 or 0.37 kW
- Pump head: PVC, SS316L (on request PVDF)
- Maximum pressure: 12 bar
- Balls: ceramic or SS316L
- Ball seats FPM, EPDM or NBR
- Valves seats in PVC or PVDF
- IP55 ingress protection
- Insulation class: F



Models

Code	Flow rate l/h	Delivery Head	
		AISI	PVC
BD0079AA00000	79 (20,87)	12 (174)	
BD0135AA00000	135 (35,67)	10 (145)	
BD0158AA00000	158 (41,74)	8 (116)	
BD0150AA00000	150 (39,63)	7,5 (109)	
BD0257AA00000	257 (67,90)	6 (87)	
BD0300AA00000	300 (79,26)	5 (73)	
BD0278AA00000	278 (73,45)	3,5 (51)	
BD0478AA00000	478 (126,3)	2,5 (36)	
BD0535AA00000	535 (141,4)	2 (29)	
BD0278AA00600	278 (73,45)	4 (58)	
BD0478AA00600	478 (126,3)	3 (43)	
BD0535AA00600	535 (141,4)	2,5 (36)	
BD0079BA00000	79 (20,87)		10 (145)
BD0135BA00000	135 (35,67)		10 (145)
BD0158BA00000	158 (41,74)		8 (116)
BD0150BA00000	150 (39,63)		7,5 (109)
BD0257BA00000	257 (67,90)		6 (87)
BD0300BA00000	300 (79,26)		5 (73)
BD0278BA00000	278 (73,45)		3,5 (51)
BD0478BA00000	478 (126,3)		2,5 (36)
BD0535BA00000	535 (141,4)		2 (29)
BD0278BA00600	278 (73,45)		4 (58)
BD0478BA00600	478 (126,3)		3 (43)
BD0535BA00600	535 (141,4)		2,5 (36)

FEATURES & MATERIALS

POWER SUPPLY

230-400V 50-60Hz

MOTOR

Three phase

PUMP HEAD

AISI or PVC

VALVES

Ceramic balls
FDM seals or
SS316L balls
NBR seals

CASE

Die-cast aluminium
housing protected by
epoxy/antiacid paint



P SERIES

MOTOR DRIVEN DOSING PUMP



P SERIES

General information

The "P" series of pumps have been designed and manufactured for dosing liquids free of suspended solid particles.

The pump comprises of four basic sections: motor drive, gearbox, pump head and non return valves

The pumping action is performed by a piston, which has a reciprocating movement within the pump head.

All parts are in direct contact with the liquid being metred. The sealing effect is achieved by rings of material suited to the liquid being handled.

INSTALLATION KIT

Supplied without injection valve or foot filter

Material

- Case: Die-cast aluminium housing protected by epoxy/antacid paint
- Pump head: AISI, PVC (on request PV)

PUMP HEAD CONFIGURATIONS

Version	Head	Connections	Piston	Piston seals	Valve seats	Balls	Ball seats
AA	AISI316L	AISI316L	AISI316L	NBR	PVDF	AISI316L	PVDF
BA	PVC	PVC	Ceramic	FPM	PVC	Ceramic	PVC

Technical Specifications

Model	Flow rate l/h (US al/h)		Delivery head bar (psi) AISI		Delivery head bar (psi) PVC		Strokes/min		Stroke length	Ø Piston	Power	Valves
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	mm	mm	kW	
BP0014	14 (3,69)	17 (4,49)	25 (360)	25 (360)	-	-	60	72	20	16	0,25	1/2" Gm
BP0024	24 (6,34)	29 (7,66)	25 (360)	25 (360)	-	-	103	122	20			
BP0029	29 (7,66)	-	25 (360)	-	-	-	120	-	20			
BP0052	52 (13,74)	63 (16,64)	20 (290)	20 (290)	10 (145)	10 (145)	60	72	20	30	0,25	1/2" Gm
BP0088	88 (23,25)	106 (28,00)	20 (290)	18 (261)	10 (145)	10 (145)	103	122	20			
BP0103	103 (27,21)	-	18 (261)	-	10 (145)	-	120	-	20			
BP0128	128 (33,81)	153 (40,42)	12 (174)	9,5 (138)	10 (145)	9,5 (138)	60	72	20	48	0,25	3/4" Gm
BP0220	220 (58,12)	260 (68,68)	9 (131)	7,5 (109)	9 (131)	7,5 (109)	103	122	20			
BP0256	256 (67,63)	-	7,5 (109)	-	7,5 (109)	-	120	-	20			
BP0251	251 (66,31)	302 (79,78)	6 (87)	5 (72)	6 (87)	5 (72)	60	72	20	67	0,25	1" Gm
BP0431	431 (113,86)	512 (135,26)	4,5 (65)	3,5 (51)	4,5 (65)	3,5 (51)	103	122	20			
BP0503	503 (132,88)	-	3,5 (51)	-	3,5 (51)	-	120	-	20			
BP0128	128 (33,81)	153 (40,42)	18 (262)	14,5 (210)	10 (145)	10 (145)	60	72	20	48	0,37	3/4" Gm
BP0220	220 (58,12)	260 (68,68)	16 (232)	13 (189)	10 (145)	10 (145)	103	122	20			
BP0256	256 (67,63)	-	13 (189)	-	10 (145)	-	120	-	20			
BP0251	251 (66,31)	302 (79,78)	9 (131)	7,5 (109)	9 (131)	7,5 (109)	60	72	20	67	0,37	1" Gm
BP0431	431 (113,86)	512 (135,26)	7 (102)	5,5 (80)	7 (102)	5,5 (80)	103	122	20			
BP0503	503 (132,88)	-	6 (87)	-	6 (87)	-	120	-	20			
BP0251	251 (66,30)	302 (79,78)	11 (160)	9,5 (138)	10 (145)	9,5 (138)	60	72	20	67	0,55	1" Gm
BP0431	431 (113,86)	512 (135,26)	9 (131)	8 (116)	9 (131)	8 (116)	103	122	20			
BP0503	503 (132,9)	-	8 (131)	-	8 (131)	-	120	-	20			
BP0513	513 (135,52)	614 (162,20)	5,5 (80)	4,5 (65)	5,5 (80)	4,5 (65)	60	72	20	95	0,55	1½" Gm
BP0838	838 (221,38)	1004 (265,2)	4 (58)	3 (44)	4 (58)	3 (44)	103	122	20			
BP1027	1027 (271,3)	-	3 (44)	-	3 (44)	-	120	-	20			
BP0251	251 (66,30)	302 (79,78)	19 (276)	17,5 (254)	10 (145)	10 (145)	60	72	20	67	0,75	1" Gm
BP0431	431 (113,86)	512 (135,26)	16,5 (239)	14,5 (210)	10 (145)	10 (145)	103	122	20			
BP0503	503 (132,9)	-	14,5 (210)	-	10 (145)	-	120	-	20			
BP0513	513 (135,52)	614 (162,20)	12 (174)	10 (145)	10 (145)	10 (145)	60	72	20	95	0,75	1½" Gm
BP0838	838 (221,38)	1004 (265,2)	8 (116)	6,5 (94)	8 (131)	6,5 (94)	103	122	20			
BP1027	1027 (271,3)	-	6,5 (94)	-	6,5 (94)	-	120	-	20			

P

Plunger Piston Motor-driven pumps

P series electric motor-driven metering pumps offer piston-controlled chemical dosing and are known for their superior durability and reliability within a variety of applications.

FEATURES

- Valves: PVC pump head; double ball valves, except for piston Ø95 with single ball; SS316L; single ball, except for piston Ø16 and Ø30 with double balls
- Frequency: 60, 103 and 120 strokes/min at 50Hz; 72 and 122 strokes/min at 60Hz
- Die-cast aluminium housing protected by epoxy/antiacid paint
- Maximum flow rate: 1,027 l/h at 50Hz; 1,004 l/h at 60Hz
- Maximum pressure: 25 bar
- Standard power supply: 230-400V; 3-phase; 50Hz
- Motor: 0.25, 0.37, 0.55 or 0.75 kW
- Pump head: PVC, SS316L (on request PVDF)
- Balls: ceramic or SS316L
- Ball seats: FPM, EPDM or NBR
- Valves seats: PVC or PVDF
- Piston in SS316 or ceramic

Models

Code	Flow rate	Delivery head AISI
	l/h	bar
BP0014AA00000	14 (3,69)	25 (360)
BP0024AA00000	24 (6,34)	25 (360)
BP0029AA00000	29 (7,66)	25 (360)
BP0052AA00000	52 (13,74)	20 (290)
BP0088AA00000	88 (23,25)	20 (290)
BP0103AA00000	103 (27,21)	18 (261)
BP0128AA00000	128 (33,81)	12 (174)
BP0220AA00000	220 (58,12)	9 (131)
BP0256AA00000	256 (67,63)	7,5 (109)
BP0251AA00000	251 (66,31)	6 (87)
BP0431AA00000	431 (113,86)	4,5 (65)
BP0503AA00000	503 (132,88)	3,5 (51)
BP0128AA00600	128 (33,81)	18 (262)
BP0220AA00600	220 (58,12)	16 (232)
BP0256AA00600	256 (67,63)	13 (189)
BP0251AA00600	251 (66,31)	9 (131)
BP0431AA00600	431 (113,86)	7 (102)
BP0503AA00600	503 (132,88)	6 (87)
BP0251AA00700	251 (66,30)	11 (160)
BP0431AA00700	431(113,86)	9 (131)
BP0503AA00700	503 (132,9)	8 (131)
BP0513AA00700	251 (66,30)	5,5 (80)
BP0838AA00700	838(221,38)	4 (58)
BP1027AA00700	1027(271,3)	3 (44)
BP0251AA00900	251 (66,30)	19 (276)
BP0431AA00900	431(113,86)	16,5 (239)
BP0503AA00900	503 (132,9)	14,5 (210)
BP0513AA00900	513 (135,52)	12 (174)
BP0838AA00900	838(221,38)	8 (116)
BP1027AA00900	1027(271,3)	6,5 (94)



- Piston seals: NBR, FPM or EPDM
- IP55 ingress protection

Models

Code	Flow rate	Delivery head PVC
	l/h	bar
-	-	-
-	-	-
-	-	-
BP0052BA00000	52 (13,74)	10 (145)
BP0088BA00000	88 (23,25)	10 (145)
BP0103BA00000	103 (27,21)	10 (145)
BP0128BA00000	128 (33,81)	10 (145)
BP0220BA00000	220 (58,12)	9 (131)
BP0256BA00000	256 (67,63)	7,5 (109)
BP0251BA00000	251 (66,31)	6 (87)
BP0431BA00000	431 (113,86)	4,5 (65)
BP0503BA00000	503 (132,88)	3,5 (51)
BP0128BA00600	128 (33,81)	10 (145)
BP0220BA00600	220 (58,12)	10 (145)
BP0256BA00600	256 (67,63)	10 (145)
BP0251BA00600	251 (66,31)	9 (131)
BP0431BA00600	431 (113,86)	7 (102)
BP0503BA00600	503 (132,88)	6 (87)
BP0251BA00700	251 (66,30)	10 (145)
BP0431BA00700	431(113,86)	9 (131)
BP0503BA00700	503 (132,9)	8 (131)
BP0513BA00700	251 (66,30)	5,5 (80)
BP0838BA00700	838(221,38)	4 (58)
BP1027BA00700	1027(271,3)	3 (44)
BP0251BA00900	251 (66,30)	10 (145)
BP0431BA00900	431(113,86)	10 (145)
BP0503BA00900	503 (132,9)	10 (145)
BP0513BA00900	513 (135,52)	10 (145)
BP0838BA00900	838(221,38)	8 (131)
BP1027BA00900	1027(271,3)	6,5 (94)

FEATURES & MATERIALS

POWER SUPPLY

230-400V 50-60Hz

MOTOR

Three phase

CASE

Die-cast aluminium housing protected by epoxy/antiacid paint

PUMP HEAD

AISI or PVC

VALVES

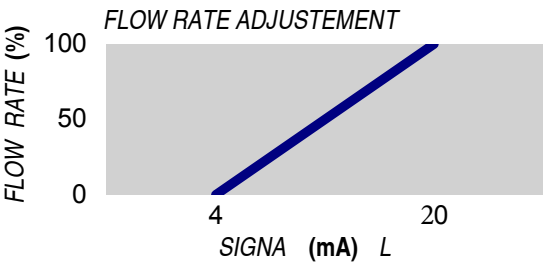
Ceramic balls
FDM seals or
SS316L balls
NBR seals



FURTHER INFORMATION

4 - 20mA or 0 - 10VDC
flow rate automatic control

Note: The flow rate diagram of the motor-driven dosing pumps provided for this actuator is usually the one shown in Fig. 1. If the control signal were 0 - 10Vdc, the diagram is very similar.
Only the logic of operation is shown in this diagram, therefore users should consider a tolerance of ±5% on the absolute values. The unit requires a 24Vdc and 24 Vac power supply.



PUMPS SUPPLIED WITHOUT MOTOR:

- 0,18 kW
- 0,25 kW
- 0,37 kW
- 0,55 kW
- 0,75 kW

PUMPS SUPPLIED WITH NPT CONNECTION:

- Upon request

PUMPS SUPPLIED WITH NPT CONNECTION:

- (PDM ST-P and P in AISI) 3/4" connection

Specifications

Piston pump head	ø Piston mm	Configuration
Mechanical Piston Pump AISI pumps head - AISI 316L piston	16	AP (FPM) AI (EPDM)
	30	
	48	
	67	
	95	
Series "P" Mechanical Piston Pump AISI pumps head - AISI 316L piston - PTFE - FPM	16	AT
	30	
	48	
	67	
	95	
Series "ST-P" Mechanical Piston Pump PVC pump head - AISI 316L piston	16	BP
	30	
	48	
Series "P" Mechanical Piston Pump PVC pump head - AISI 316L piston	30	BP
	48	
	67	
	95	

Out of standards motor requirements

Single phase motor configuration 50 Hz	0,18 kW – 0,25 kW – 0,37 kW
Explosion proof protection 0.18 – 0.75 kW 3 phase EEX-D zone 1(GAS)*	0,18 kW – 0,25 kW – 0,37 kW 0,55 kW – 0,75 kW
Explosion proof protection 0.18 1 phase EEX-D zone 1(GAS)	0,18 kW – 0,25 kW
Explosion proof protection 3 phase EEX-D zone 1(GAS) for inverter application	0,18 kW – 0,25 kW – 0,37 kW 0,55 kW – 0,75 kW
Tropicalisation	
Pump with self-ventilated 3 phase motor for inverter application 0,18 ÷ 0,75 kW.	0,18 kW – 0,25 kW – 0,37 kW
Available for self-ventilated single-phase motor 230V – 50 Hz	0,55 kW – 0,75 kW
Pump with UL/CSA 3 phase motor (230/400V 50Hz 240/415V 50Hz 280/480V 60Hz) 0,18÷ 0,75 kW	
Pump with UL/CSA mono phase 110V motor 0,18 ÷ 0,75 kW	
Pump with UL/CSA 3 phase motor 575V or mono phase 220V 60Hz 0,18 ÷ 0,75 kW	

*On request: prices explosion proof protection, zone 21 (DUST)

INVERTER

Electronic Motor Frequency Control.

- Constant flow with adjustable frequency and quantity dosing.
- Timed dosing.
- Proportional dosing to a digital signal (pulse counter).
- Proportional dosing to an analog signal (4-20 mA or 0-10 V).
- Input for level probe.
- Input for flow sensor.
- Batch dosing for remote control.
- Relay output for remote alarm.
- Generic password and User password.



ACCESSORIES

PULSATION DAMPENERS

Level float switch complete with plastic support to be linked to the foot filter supplied with the pumps. Foot filter weight allows adjustment of the float switch to the desired height inside the chemical tank.

SS body, NBR membrane		Code
0,12 liter	1/2"	1POL 005
0,35 liter	1/2"	APL 00004 01
0,70 liter	3/4"	APL 00012 01
1,5 liter	1"	APL 00013 01
3 liter	1"	APL 00014 01
PVC body, FPM membrane		Code
0,12 liter	1/2"	1POL 001
0,35 liter	1/2"	1POL 007
0,70 liter	1/2"	1POL 003
1,5 liter	3/4"	1POL 010
3 liter	3/4"	1POL 011



AIR RELIEF OR BACK PRESSURE VALVES

Max Flow	Connections	Configuration	Code
250 l/h	3/8" Gf	PVC – EPDM / PTFE	AVA 00101 01
230 l/h	1/2" Gf	AISI 316L	1166 064
500 l/h	1/2" Gf	PVC – FPM / PTFE	AVA 00101 03
1.050 l/h	1/2" Gf	PVC – EPDM / PTFE	AVA 00102 01
420 l/h	3/4" Gf	AISI 316L	1166 066
420 l/h	3/4" Gf	PVC	1166 067
1.050 l/h	1" Gf	AISI 316L	1166 068
1.050 l/h	1" Gf	PVC	1166 069



FOOT VALVES

Max Flow	Connections	Configuration Description*	Code
125 l/h	3/8"-1/2" Gm	PP – FPM with filter	SFT 00300 02
125 l/h	1/2" Gm	AISI 316L – EPDM without filter	SVA 10001 02
125 l/h	1/2" Gf	PVC – FPM with filter	AVA 10001 01
260 l/h	3/4" Gm	AISI 316L – EPDM without filter	SVA 10002 02
260 l/h	3/4" Gf	PVC – FPM with filter	AVA 10002 01
510 l/h	1" Gm	AISI 316L – EPDM without filter	SVA 10003 02
510 l/h	1" Gf	PVC – FPM with filter	AVA 10003 01
1.050 l/h	1 1/2" Gm	AISI 316L – EPDM without filter	SVA 10004 02
1.050 l/h	1 1/2" Gf	PVC – FPM with filter	AVA 10004 01



*Filter version included on request.

SAFETY VALVES

Max flow - max pressure	Connections	Configuration	Code
0.4 m3 - 12 bar	1/2" Gf	PVC	AVA 00501 01
0.4 m3 - 100 bar	1/2" Gf	AISI 316L	AVA 00501 02
1.2 m3 - 9 bar	1" Gf	PVC	AVA 00502 01
1.2 m3 - 60 bar	1" Gf	AISI 316L	AVA 00502 02
3.6 m3 - 6 bar	1 1/2" Gf	PVC	AVA 00503 01
3.6 m3 - 60 bar	1 1/2" Gf	AISI 316L	AVA 00503 02

*Setting pressure needs to be indicated in the order.



GEARBOX OIL

Description	Code
Oil SAE W 85/140 1Lt	1ACS 015



INJECTION VALVES

Max Flow	Connections	Configuration	Code
125 l/h	3/8"-1/2" Gm	PP - FPM	SVA 00300 02
103 l/h	1/2" Gm	PVC - FPM	SVA 00015 04
103 l/h	1/2" Gm	AISI 316L - FPM	SVA 00015 01
256 l/h	3/4" Gm	PVC - FPM	SVA 00016 04
256 l/h	3/4" Gm	AISI 316L - FPM	SVA 00016 01
400 l/h	3/4" Gm	PVC	1166 036
400 l/h	3/4" Gm	AISI 316L	1166 035
1000 l/h	1" Gm	PVC	1166 117
256 l/h	1/2" Gm/Gf	AISI 316L - EPDM	*AVA 00200 02
504 l/h	3/4" Gm/Gf	AISI 316L - EPDM	*AVA 00201 02
1027 l/h	1" Gm/Gf	AISI 316L - EPDM	*AVA 00202 02

* Spring injection valve AISI 316



KIT

Installation kit for pumps with 1/2" GM valve connection	For motor pumps	Code
--	-----------------	------

Composed of: 8 m 10x14 PE tube, 2m 10x14 PVC crystal tube, n°2 nipples with tube nuts, n°2 PVC F/F 1/2" coupling, n°1 PP-FPM foot valve, n°1 PP-FPM injection valve and gearbox oil. Maximum 5 bar.

AISI-FPM
PP/PVC-FPM

SCO 00001 01
SCO 00001 03

Adapter Kit 1/2 "GM pump with valve connection 3/4" GM, max 190 l/h

Composed of: 2 reducers 3/4 "GF - 1/2" GM PVC
(compatible with SCO0000101).

KCO 00001 01

Installation kit for pumps with 3/4" GM valve connection

Composed of: n°4 hose adaptor with barb nut for flexible tube, n°1 PVC-FPM foot valve, n°1 PVC-FPM injection valve and gearbox oil. Maximum 5 bar*.

SCO 00014 01

Installation kit for pumps with 1" GM valve connection

Composed of: n°4 hose adaptor with barb nut for flexible tube, n°1 PVC-FPM foot valve, n°1 PVC-FPM injection valve and gearbox oil. Maximum 5 bar*.

SCO 00015 01

*with clamps not included



MYPOOL SERIES

PERISTALTIC DOSING PUMP



MYPOOL SERIES

General information

MyPool is a friendly user equipment, made by a peristaltic pump and an electronic controller able to measure and settle the chemical-physical values of a swimming pool, like the pH and the ORP (mV) values. The pump operate in proportional mode.

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

WATER TREATMENT ACCESSORIES:

FPM peristaltic pump

FPM peristaltic pump water treatment accessories: 2 m polyethylene tube (4x6 mm), 2 m PP crystal tube (4x6 mm), 3/8" PVC-FPM injection valve and PP foot filter without check valve.

Description	Code
FPM Kit	SCO 00007 01



RX KIT

Rx MyPool pump accessories: Rx plastic body electrode with 5 m cable; Rx 650 mV buffer solution in 55 ml container; floating level switch complete with plastic support; 1/2" inline PP electrode holder; 1/2"GF-DN50 clamp saddle for electrode holder (2 pcs); PVC M/F 1/2"-3/8" reduction nipple; and PP tube nut (2 pcs).

Description	Code
Rx MyPool Kit	SCO 00030 02



PH KIT

pH MyPool pump accessories: pH plastic body electrode with 5 m cable; pH7 and pH9 buffer solutions in 55 ml containers, floating level switch complete with plastic support; 1/2" inline PP electrode holder; 1/2"GF-DN50 clamp saddle for electrode holder (2 pcs); PVC M/F 1/2"-3/8" reduction nipple; and PP tube nut (2 pcs).

Description	Code
pH MyPool Kit	SCO 00030 01



Technical Specifications

Version	Flow rate	Pressure
	l/h (US gal/h)	bar (psi)
0101	1.5 (0.40)	1.5 (21)
0301	3 (0.79)	1.5 (21)
0202	2 (0.53)	2 (29)
0303	3 (0.79)	3 (43)

MYPOOL

Peristaltic pump with built in pH or Rx controller

The MyPool series of peristaltic dosing pumps are the perfect solution for domestic swimming pools, spas and wellness centres. These pumps operate on the suction-compression created by rotors on a Santoprene® tube.

FEATURES

- Measure pH or Rx
- ON/OFF or proportional activation mode respective to the measure value
- Proportional dosing mode
- Flow rate: up to 3 l/h
- Pressure: up to 3 bar
- pH measurement range: 3 - 11 pH
- RX measurement range: +100 to +999 mV
- Power supply: 230V 50-60Hz
- Maximum power consumption: 15W
- Set point selection
- Type of intervention (direct or inverse)
- Hysteresis
- Pump activation delay
- Over-dosing alarm
- Relay output for signalled alarm status
- Level switch input
- Display: blue/white, 16 digits



Models

MyPool pH	MyPool Rx	MyPool NO KIT	Version
CXB 400 03 01	CXB 400 03 02	CXB 400 03 Z6	0101
CXB 400 04 01	CXB 400 04 02	CXB 400 04 Z6	0301
CXB 400 05 01	CXB 400 05 02	CXB 400 05 Z6	0202
CXB 400 06 01	CXB 400 06 02	CXB 400 06 Z6	0303

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlit blue/white 16 digits

CASE

Chemical resistant polypropylene

ROLLERS HOLDER

POM

COVER

Terminal box cover

COMPLETE HOSE

Santoprene®

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 15W

CABLE GLANDS



PK-POOL SERIES

PERISTALTIC DOSING PUMP



PK-POOL SERIES

General information

PK-Pool is a friendly user equipment, made by a peristaltic pump and an electronic controller able to measure and settle the chemical-physical values of a swimming pool, like the pH and the ORP (mV) values.

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

INSTALLATIONS KIT

Water Treatment kit

FPM peristaltic pump water-treatment accessories: 2 m polyethylene tube (4x6 mm), 2 m PP crystal tube (4x6 mm), 3/8" PVC-FPM injection valve and PP foot filter without check valve.

Description	Code
FPM Kit	SCO 00007 01



RX KIT

Rx Pk-Pool pumps accessories: Rx plastic body electrode with 5m cable, Rx 650mV buffer solution in 55ml container, 1/2" inline PP electrode holder, 1/2"GF-DN50 clamp saddle for electrode holder (2 pcs), PVC M/F 1/2"-3/8" reduction nipple, PP tube nut (2 pcs).

Description	Code
Rx Pk-Pool Kit	SCO 00030 04



PH KIT

pH Pk-Pool pumps accessories: pH plastic body electrode with 5m cable, pH7 and pH9 buffer solutions in 55ml containers, 1/2" inline PP electrode holder, 1/2"GF-DN50 clamp saddle for electrode holder (2 pcs), PVC M/F 1/2"-3/8" reduction nipple, PP tube nut (2 pcs).

Description	Code
pH Pk-Pool Kit	SCO 00030 03



Specifications

Version	Flow rate	Pressure
	l/h (US gal/h)	bar (psi)
0101	1.5 (0.40)	1.5 (21)

PK-POOL

Peristaltic pump with built in pH or Rx controller

PK-Pool series peristaltic dosing pumps have been specifically designed for use in domestic swimming pools, spas and wellness centres, with these ready-to-install systems offering a range of user-friendly features.

FEATURES

- Flow rate: 1.5 l/h
- Maximum pressure: 1.5 bar
- pH measurement range: 0 – 14 pH
- Rx measurement range: +0 – +1000 mV
- Power supply: 230V 50-60Hz
- Maximum power consumption: 15W
- Type of intervention (acid or alkaline): proportional activation mode respective to measure value
- Backlit display
- Supplied with complete installation kit:
 - a. pH probe or Rx probe with 5 m cable (0-100%)
 - b. Saddle clamp
 - c. PP probe holder (½")
 - d. Buffer solutions: pH 7 & 9
 - e. Injection valve (PVC/FPM)
 - f. Foot filter (PP/FPM)
 - g. 2 m suction & 2 m discharge tubing
 - h. Vertical or horizontal mounting



Models

PK-Pool pH	PK-Pool Rx	Version
CXB 400 51 01	CXB 400 52 01	0101

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlight

CASE

Chemical resistant polypropylene

ROLLERS HOLDER

POM

COMPLETE HOSE

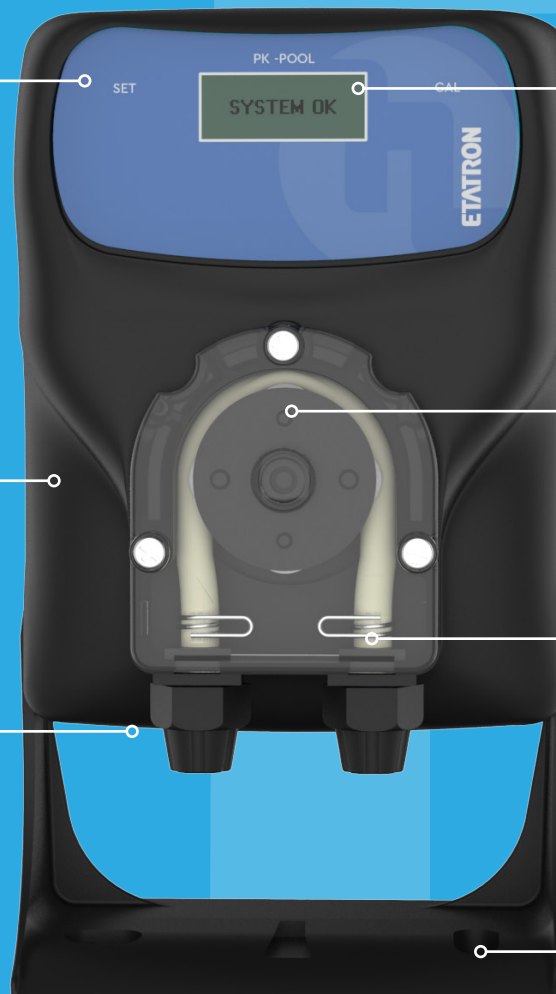
Santoprene®

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 15W

MOUNTING BRACKET

To install the pump indifferently on a wall (vertical) or on a tank (horizontal)



TWINPOOL SERIES

PERISTALTIC DOSING PUMPS



TWINPOOL SERIES

General information

The eTwin is a compact, easy-to-use equipment consisting of two dosing pumps and two parameters controllers designed to measure pH, Redox and Chlorine plus the temperature. Mainly conceived for pool's industry, the dosing pumps are available either in peristaltic and solenoid versions.

On request the device could be equipped with complete calibration kit, including sensors and mounting accessories.

- Over-dosing alarm
- Set-point with working mode ON-OFF
- Proportional, hysteresis regulation
- Delay time for pump activation relative to set-point value
- Power supply: 230V 50-60Hz
- Supplied with complete installation kit (injection valves, foot filters and suction/delivery tubes)
- Level control
- Alarm output relay
- Three relays selectable: Set-point (measures + temperature) or timer
- Backlit graphic display
- Wall mounting
- IP65 ingress protection
- Suction hose: PVC Cristal®
- Discharge hose: Polyethylene

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

INSTALLATIONS KIT

Water Treatment kit

FPM peristaltic pump accessories: 2 m polyethylene tube (4x6 mm), 2 m PP crystal tube (4x6 mm), 3/8" PVC-FPM injection valve and PP foot filter without check valve.

Description	Code
FPM kit	SCO 00007 01



Technical Specifications

Version	Flow rate	Pressure
	l/h (US gal/h)	bar (psi)
0101	1.5 (0.40)	1.5 (21)
0301	3 (0.79)	1.5 (21)

TWINPOOL

pH/Rx

FEATURES

- Microprocessor controller
- Flow rate: up to 3 l/h
- Working pressure: up to 1.5 bar
- pH range: 0-14 pH
- Redox range: -1000 – +1000 mV
- Set point selection
- Direct or inverse intervention
- Timer mode: daily/weekly
- Level probe input
- Flow sensor input
- Proximity switch
- Pt100 probe (0-100°C)
- Output: 4-20 mA
- Dedicated alarm signal relay



Models

pH - Rx	Version
CXB 80 001 01	0101
CXB 80 011 01	0301

TWINPOOL S

pH/Rx

FEATURES

- Microprocessor controller
- Flow rate: up to 3 l/h
- Working pressure: up to 1.5 bar
- pH range: 0-14 pH
- Redox range: -1000 – +1000 mV
- Set point selection
- Direct or inverse intervention
- Timer mode: daily/weekly
- Level probe input
- Flow sensor input
- Proximity switch
- Pt100 probe (0-100°C)
- Output: 4-20 mA
- Relay dedicated to alarm signals
- Electrical connection for salt chlorinator power



Models

pH - Rx	Version
CXB 8S 001 01	0101
CXB 8S 011 01	0301

FEATURES & MATERIALS

SERIGRAPH

Chemical resistant polyester

DISPLAY

Digital backlight
Blue/White 16 digits

CASE

Chemical resistant polypropylene

ROLLERS HOLDER

POM

COMPLETE HOSE

Santoprene®

COVER

Terminal box cover

POWER SUPPLY

230V 50-60Hz
Maximum power consumption: 65W

CABLE GLANDS



F SERIES

PERISTALTIC DOSING PUMPS



F SERIES

General information

Peristaltic pump F series has a constant flow rate. The tube is fixed to the external fitting with a SS clamps. The cover is fixed on the casing with 3 screws, on it there's a groove for an additional shaft support. The hydraulic head is independent of the motor type and can be supplied separately

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

INSTALLATION KIT (OPTIONAL)

Supplied without injection valve or foot filter

Series F Specifications

Version	Flow rate	Pressure	Power Supply	RPM
	l/h (US gal/h)	bar (psi)		
0001	0.5 (0.13)	1 (14)	230V, 50/60 Hz	10
0101	1.1 (0.29)	1 (14)	230V, 50/60 Hz	20
0201	2.2 (0.58)	1 (14)	230V, 50/60 Hz	48
0301	3.3 (0.87)	1 (14)	230V, 50/60 Hz	60
0601	6.0 (1.56)	1 (14)	24Vdc	108

F

Compact peristaltic pumps with constant flow rate designed for non-continuous use

FEATURES

- Optional 120V, 12Vdc, 24Vac and 24Vdc power supplies (only available for certain models)
- Wall mounted with removable gearbox/motor for panel mounting
- Peristaltic tubing available in Santoprene® or Silicone
- Flow rate: 0.5 – 6 l/h
- Maximum operating pressure: 1 bar
- 230V power supply as standard
- Model 6 l/h only at 24 Vdc



Models

F SILICONE	F-T SANTOPRENE®	Version
PPF 02 368 60	PPF 02 368 64	0001
PPF 02 192 60	PPF 02 192 64	0101
PPF 02 187 60	PPF 02 187 64	0201
PPF 02 311 60	PPF 02 311 64	0301
PPF 02 189 60	PPF 02 189 64	0601

F-T

Compact peristaltic pumps with constant flow rate designed for non-continuous use

Constant flow rate with integral timer (0-7 seconds; controlled by potentiometer) for non-continuous use

FEATURES

- Optional 120V, 12Vdc, 24Vac, 24Vdc power supplies (only available for certain models)
- Wall mounted with removable gearbox/motor for panel mounting
- Peristaltic tubing available in Santoprene® or Silicone
- Flow rate: 0.5 – 6 l/h
- Maximum operating pressure: 1 bar
- 230V power supply as standard
- Model 6 l/h only at 24 Vdc



Models

F-T SILICONE	F-T SANTOPRENE®	Version
PPF 07 368 60	PPF 07 368 64	0001
PPF 07 192 60	PPF 07 192 64	0101
PPF 07 187 60	PPF 07 187 64	0201
PPF 07 311 60	PPF 07 311 64	0301
PPF 07 189 60	PPF 07 189 64	0601

FEATURES & MATERIALS

CASE

Chemical resistant
polypropylene

ROLLERS HOLDER
POM

COMPLETE HOSE
Santoprene®

POWER SUPPLY

230V 50-60Hz
Maximum power
consumption: 3.5W



B SERIES

PERISTALTIC DOSING PUMPS



B SERIES

General information

Peristaltic dosing pumps B3-V are equipped with new electronic control circuits with switching power running regulating motor rotation with more precision, reliability and regularity. Switching powers have had a larger use in the industrial field because of their vantages:

- Lower weight (up to 50%).
- Lower heating with a consequential longer pump life.
- They have a performance reaching easily 80-90% versus 30-60% of linears.
- Power output feeding pump is not affected by unforeseen alterations of tension net, whereas in these cases it would be necessary supply an oversized transformer in the linear powers, increasing energetic leakages.

INSTALLATION KIT (OPTIONAL)

Supplied without injection valve or foot filter

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

Technical Specification

Version	Flow rate	Pressure	Net weight	Absorbed power	Rotation speed	Tube size
	l/h (US gal/h)	bar (psi)	Kg	Watt	rpm	mm
B-F						
0101	1,5 (0.39)	1,5 (21)	0,80	5	20	4.8 x 8.0
0301	3 (0.79)	3 (43)	0,80	10	40	4.8 x 8.0
B3-V						
0103	1 (0.26)	3 (43)	0,70	4	34	3.2 x 9.6
0403	4 (1.06)	3 (43)	0,70	5	47	4.8 x 9.6
1201	12 (3.17)	1 (14)	0,70	5	90	6 x 9

B3-V

B Series peristaltic dosing pumps

The B Series is a range of peristaltic dosing pumps, offering fixed and variable flow rates and designed for non-continuous use

FEATURES

- Flow Rates up to 12 l/h
- Maximum operating pressures of up to 3 bar
- Flow Rate Adjustment: 10 – 100%
- Variable power supplies from 90 – 260v as standard
- Optional power supplies include 12Vdc, 24Vdc or 24Vac



Models

B3-V	Version
PBV 43 372 74	0103
PBV 43 365 74	0403
PBV 43 373 74	1201

B-F

B Series peristaltic dosing pumps

The B Series is a range of peristaltic dosing pumps, offering fixed and variable flow rates and designed for non-continuous use

FEATURES

- Flow rate: up to 3 l/h
- Maximum operating pressure: up to 1.5 bar
- Fixed flow
- Power supply: 230V



Models

B F	Version
PBF 44 374 74	0101
PBF 44 375 74	0301

FEATURES & MATERIALS

CASE

Chemical resistant
polypropylene

ROLLERS HOLDER POM

COMPLETE HOSE Santoprene®

POWER SUPPLY

230V 50-60Hz
Maximum power
consumption: 5W



BH SERIES

PERISTALTIC DOSING PUMPS



BH SERIES

General information

Peristaltic dosing pumps BH3-V are equipped with new electronic control circuits with switching power running regulating motor rotation with more precision, reliability and regularity. Switching powers have had a larger use in the industrial field because of their vantages:

- Lower weight (up to 50%).
- Lower heating with a consequential longer pump life.
- They have a performance reaching easily 80-90% versus 30-60% of linears.
- Power output feeding pump is not affected by unforeseen alterations of tension net, whereas in these cases it would be necessary supply an oversized transformer in the linear powers, increasing energetic leakages.

Materials

- Case: Reinforced, chemically resistant PP
- Roller Holder: POM
- Complete Hose: Santoprene®

INSTALLATIONS KIT

Supplied without injection valve or foot filter

Technical Specification

Version	Flow rate	Pressure	Net weight	Absorbed power	Rotation speed	Tube size
	l/h (US gal/h)	bar (psi)	Kg	Watt	rpm	mm
0001	100 (26.41)	1,5 (21)	1,50	25	150	9.6 x 15.9

BH3-V

Peristaltic dosing pumps

The B Series is a range of peristaltic dosing pumps, offering fixed and variable flow rates and designed for non-continuous use

FEATURES

- Maximum flow rate: 100 l/h
- Flow rate adjustment: 10 – 100%
- Maximum working pressure: 1.5 bar
- Power supply: 90-260V standard 50/60 Hz
- Wall mounting
- Tubing: Santoprene®, Silicone, Norprene® or Tygon
- Accessories: 4 m suction/discharge tubing
- Injection valve and foot filter not included



Models

BH3-V NORPRENE®	BH3-V SANTOPRENE®	BH3-V SILICONE	BH3-V TYGON	Version
PBH 42 305 P6	PBH 42 305 64	PBH 42 305 60	PBH 42 305 2F	1001

FEATURES & MATERIALS

CASE

Chemical resistant
polypropylene

ROLLERS HOLDER
POM

COMPLETE HOSE
Santoprene®

POWER SUPPLY

90-260V 50-60Hz
Maximum power
consumption: 25W



ACCESSORIES

EPDM DETERGENT KIT

EPDM peristaltic pumps detergent accessories:
4 m PVC crystal tube (4x6 mm), 90° injection nipple for free discharge and stainless-steel foot filter with EPDM check valve.

Material	Code
EPDM	SCO 00002 02



FPM BRIGHTENER KIT

FPM peristaltic pumps brightener accessories:
3 m polyethylene tube (4x6 mm), 2m PVC crystal tube (4x6 mm), nickel-plated brass ball injection valve and stainless-steel foot filter with FPM check valve.

Material	Code
FPM	SCO 00003 01



WATER TREATMENT KIT

FPM peristaltic pumps water-treatment accessories:
2 m polyethylene tube (4x6 mm), 2 m PP crystal tube (4x6 mm), 3/8" PVC-FPM injection valve and PP foot filter without check valve.

Material	Code
FPM	SCO 00007 01



CONDUCTIVITY PROBE

Conductivity electrode with two stainless-steel sensors. AISI 316 cell constant k=1 suitable for B-FCD dosing pump, 3 m cable.

Description	Code
400-20.000µS - 1/2" GM - PVC	21 380 04





SWIMMING POOL

ETATRON's expertise in swimming pool chemical dosing has seen us develop a series of products for both the domestic and commercial markets, with complete solutions for the automatic control of pool water parameters.

QUANTAL SERIES CONTROLLERS



QUANTAL SERIES

Measure and control instruments

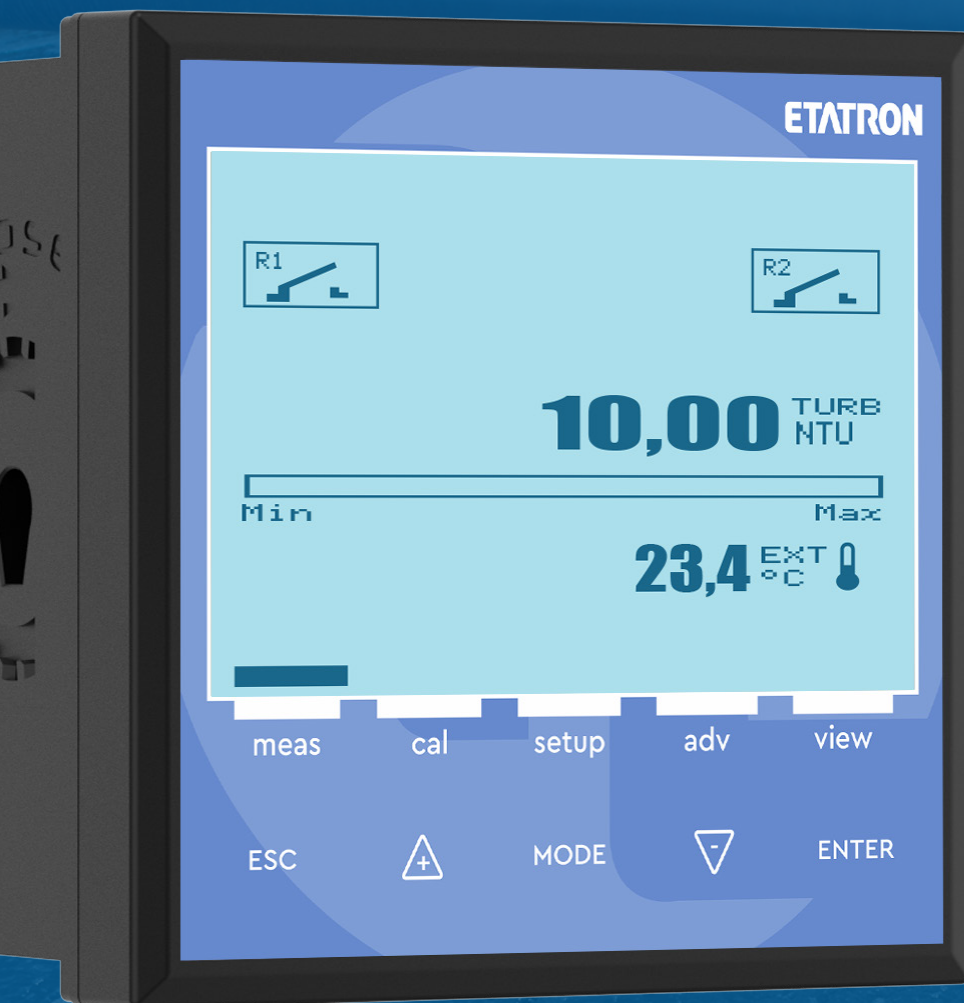
Quantal series controllers are designed to be used in all applications where continuous measurement of the chemical parameters of the water is required. They are made with the use of microcontrollers and have a galvanically isolated measurement stage. The versions are available with single or double measuring channels, independently configurable

FEATURES

- Controllers with 1 or 2 measure channels
- Measures available: pH, Redox 8mV), Cloro (ppm) and Temperature (C°)
- Timer mode
- Temperature compensation, automatic (by PT100 probe) or manual
- 4-20 mA output, one for each measure
- 2 setpoint with each measure, ON/OFF or proportional working mode
- Hysteresis adjustable on setpoint value; delay time on relay activation
- Alarm MIN e MAX with the measure value
- Overdosing alarm (excessive dosing time)
- Alarm relay, NO or NC (selectable from the user)
- Graphic display backlighted
- Wall mounting version (IP65 protection degree) supplied with mounting bracket
- Input for level probe and level sensor
- 100/230v power supply as standard



MINIMUS SERIES CONTROLLERS



MINIMUS OXYGEN

Measure and control instruments

The Minimus series are professional controllers designed for advanced high-end water treatment applications. All models are equipped with analogue and digital outputs that can be set by the end user – who has full programming autonomy – via software. Can be programmed as dissolved oxygen controller and as temperature measuring device.

- backlit graphic display
- 2 set-points for ON-OFF/proportional intervention
- 2 galvanic separate programmable 4-20 mA outputs
- maximum dosing alarm
- relay output alarm
- relay output for probes cleaning
- Dissolved oxygen measure range: 0-20 ppm
- power supply: 100-240 Vac
- PID control
- PT 100 input
- PWM and ON/OFF control
- optional enclosure box for wall mounting



MINIMUS TURBIDITY

Measure and control instruments

The Minimus series are professional controllers designed for advanced high-end water treatment applications. All models are equipped with analogue and digital outputs that can be set by the end user – who has full programming autonomy – via software. Can be programmed as dissolved or turbidity controller and as temperature measuring device

- backlit graphic display
- 2 set-points for ON-OFF/proportional intervention
- 2 galvanic separate programmable 4-20 mA outputs
- maximum dosing alarm
- relay output alarm
- relay output for probes cleaning
- turbidity measure range 0-4000 NTU
- power supply: 100-240 Vac
- PID control
- PT 100 input
- PWM and ON/OFF control
- optional enclosure box for wall mounting



Models

Minimus

Oxygen - Turbidity

CXB 00126 01

ELIGERE SERIES CONTROLLERS



ELIGERE SERIES

General information

The Eligere is a multi-function measuring instrument featuring one (01), two (02) or three (03) measurement parameters suitable for measuring the pH, Rx (Redox), Free CHLORINE (Residual), Total CHLORINE and Conductivity.

The Eligere range, along with high quality performances and advanced functions, offers several characteristics that make it versatile and easy to use.

- PH and Rx can be selected on the same model by simply programming and using the related probe;
- Free or Total Chlorine measure may be chosen on the basis of the type of sensor used and the relative measuring range: - ion-selective membrane sensors with measure ranges 0-2 Cl ppm; 0-20 Cl ppm; 0-20 Cl ppm (Total); - open type amperometric cell (model CLC) with measure range 0-10 Cl ppm
- Timed AUX outputs programming; Adjustable timer mode; switch-on time programming.
- Suitable for software EtaCloud connection; optional accessory: connectivity kit
- Available boxes: wall mounting (IP65)
- Backlight graphic display (128x64)
- Start-up delay
- Alarm relay, NO or NC programmable from the user
- Automatic temperature compensation, (by PT100 probe or NTC) or manual

CONNECTIVITY KIT

The kit comprises an external black module, RS485/USB cable (to be connected to the controller) and power supply. A LAN cable must be connected to the router or extender.

Kit (to be purchased separately).

Codice
KST 10001 01

ETACLOUD

EtaCloud software supports remote control of all Eligere's operating and programming parameters. The user, via an internet-connected smartphone, tablet or PC, can perform all monitoring and control operations, while the software sends alarms and status changes to the operator via email to enable remote technical service.

Connection with EtaCloud is made possible by a connectivity kit (not included with the instrument), which consists of an RS485/USB cable, external module and 5V power supply.

Technical Specifications

Models	Functions	Measure range	Display	User interface	Relay	Hysteresis	Delay time	Output	Power supply	Auxiliary output	RS485/Ethernet
3 Measure channels	pH, Redox (mV), Chlorine (ppm), selectable from the user	pH 0...14,00	7" LCD Touch Display 800x480 Pixel	Touch Screen	5 A-230 V, free contact	Programmable on the setpoint value	Programmable on setpoint value for the relay activation	4-20 mA signals programmable from the user 500 ohm maximum load impedance, with galvanic separation	100-230 V 50/60 Hz 6W	Relay connected with timer function	Modbus protocol with Etacloud software, for the remote control via PC, smartphone or tablet
		Redox (mV) -1000...+1400									
4 Measure channels		Chlorine ppm 0...2 / 0...5 / 0...10 / 0...20 / 0...200 / 0...2000									
		Temperature (°C) 0...100									

ELIGERE 01 CD COOL

Instrument for measuring and controlling electrical conductivity

Eligere 01 CD Cool is an electrical conductivity measurement and control instrument, specifically designed for cooling towers. The programming menu contains functions purpose-built for this application, while a large graphic display and user-friendly navigation menu enable ease of use.

FEATURES

- Automatic monitoring of dosing pumps and solenoid valve via conductivity measure or timer
- Measure: electric conductivity and temperature (C°)
- Two 4-20mA output, programmable by the user
- 4 set-point outputs, ON/OFF or PWM (Pulse Width Modulation) working mode
- Adjustable hysteresis on the set-point value; delay time on relay activation
- MAX and MIN alarm on the value measure
- Over-dosing alarm (excessive dosing time)
- Built-in timer for start/stop control
- Alarm relay
- Accurate chemical dosing, inhibitor and two biocides
- Four operating modes for inhibitor dosing
- Biocide dosing cycles programmable by timer or clock
- Flow sensor input
- Level probe input



Discharge solenoid valve control, both with conductivity value and in timer mode.

Inhibitor dosing control, directly according to the water discharge (solenoid valve closing) or via internal timer, with the possibility of the proportional dosing via water-meter pulse-sender

Biocide dosing control, with the possibility of controlling two dosing pumps for the biocide with two dosing programs; timed programming with 99 programs for each biocidal product; possibility of blocking pumps during water discharge (solenoid valve open).

Models

CD COOL		
CXB 51 181 01		100/240V
CXB 51 182 01		12/24V

ELIGERE 01

Measure and control instruments

Eligere 01 series is a family of controllers with one channel measure (+ temperature). The wide graphic display and the user-friendly navigation make it a very simple product for the end-user. Predisposed for Eatcloud connection, thanks to the "Connection Kit" (not included with the controller) the Eligere 01 can be managed in a remote way.

FEATURES

- Available measures: pH, Redox (mV), Free Chlorine (ppm), Total Chlorine (ppm),
- Conductivity and temperature (C°)
- Chlorine measure (ppm) by selective membrane sensor or amperometric cell Platinum-Copper
- 2 setpoint, ON/OFF mode or PWM (Pulse Width Modulation);
- Version pH or Redox, selectable from the user
- Timer mode, connected to auxiliary relay
- N.2 4-20mA outputs, programmable from the user
- Adjustable hysteresis on setpoint value; delay time on activation relay
- Alarm MAX and MIN mode on measure value
- Overdosing Alarm (excessive dosing time)
- Timer built-in to manage start/stop of the controller
- Input for level sensor or flow sensor



Models

CD	pH (Rx)	CI	Power supply
CXB 51 161 01	CXB 51 201 01	CXB 51 251 01	100/240V
CXB 51 162 01	CXB 51 202 01	CXB 51 252 01	12/24V

SR

Measure and control instruments

- Suitable for software EtaCloud connection; optional accessory: connectivity kit.



SR CD	SR pH (Rx)	SR CI	Power supply
CXR 50053 01	CXR 50051 01	CXR 50052 01	100/240V
CXR 50063 01	CXR 50061 01	CXR 50062 01	12/24V

ELIGERE 02

Measure and control instruments

The Eligere 02 series is a family of controllers using two measurement channels (+ temperature). The large graphic display and user-friendly navigation make it a very simple and intuitive product for end-users. Courtesy of the Connection Kit (not included), Eligere 02 can be managed remotely via the Etacloud online portal.

FEATURES

- Measures: pH, redox (mV), free chlorine (ppm), total chlorine (ppm), conductivity and temperature (C°)
- pH or redox version selectable
- Standard versions: pH-Rx; pH(Rx)-CL; pH(Rx)-CD
- Timer mode, connected to auxiliary relay
- Two programmable 4-20mA outputs
- Chlorine measure (ppm) by selective membrane sensor or amperometric cell (platinum-copper)
- 2 set-points on first one measure and 1 set-point on second measure, ON/OFF mode or PWM (pulse width modulation)



- Adjustable hysteresis on set-point value; delay time on activation relay
- Alarm: MAX and MIN mode on each measure
- Over-dosing alarm (excessive dosing time) for each measure
- Built-in timer to manage start/stop
- Two inputs for level sensor
- Flow sensor input

Models

pH-Rx	pH(Rx)-CL	pH(Rx)-CD	Power supply
CXB 51 401 01	CXB 51 351 01	CXB 51 301 01	100/240V
CXB 51 402 01	CXB 51 352 01	CXB 51 302 01	12/24V

ELIGERE 03

Strumenti di misura e controllo

Eligere 03 series is a family of controllers with three channels measures (+ temperature). The wide graphic display and the userfriendly navigation make it a very simple product for the end-user. Predisposed for Eatcloud connection, thanks to the "Connection Kit" (not included with the controller) the Eligere 03 can be managed in a remote way.

FEATURES

- Measures: pH, redox (mV), free chlorine (ppm) and temperature (C°)
- Standard version: pH – Rx – CL
- Timer mode, connected to auxiliary relay
- Three programmable 4-20mA outputs
- Chlorine measure (ppm) by selective membrane sensor or amperometric cell (platinum-copper)
- 2 set-points on the first one measure, 1 set-point on all other measures, ON/OFF mode or PWM(Pulse Width Modulation)
- Adjustable hysteresis on set-point value; delay



- time on activation relay
- Alarm: MAX and MIN mode on each measure
- Over-dosing alarm (excessive dosing time) for each measure
- Built-in timer for managing start/stop
- Three inputs for level sensor
- Flow sensor input

Models

pH-Rx-CL	Power supply
CXB 51 451 01	100/240V
CXB 51 452 01	12/24V

ELIGERE TOUCH

Measure and control instruments

Eligere TOUCH series is a family of controllers with four channels measures (+ temperature). The wide 7" touch display and the user-friendly navigation make it a very simple product for the end-user. Predisposed for Eatcloud connection, thanks to the "Connection Kit" (not included with the controller) the Eligere TOUCH can be managed remotely.

FEATURES

- Measures: pH, Redox (mV), Free Chlorine (ppm) Total
- Chlorine (ppm) and temperature (C°)
- Standard version: pH – Rx – CL- CL tot.
- N.1 4-20mA outputs, programmable from the user, for each measure
- Chlorine measure (ppm) by selective membrane sensor or amperometric cell Platinum-Copper
- 1 setpoint for each measure, ON/OFF mode or PWM (Pulse Width Modulation); (2 set points only for the first measure)
- Adjustable hysteresis on setpoint value; delay time on activation relay
- Alarm MAX and MIN mode on each measure
- Overdosing Alarm (excessive dosing time) for each measure
- Alarm relay, NO
- LCD Touch Display (800x480 pixel)
- Timer built-in to manage start/stop of the controller
- Start-up delay
- N.1 inputs for level probe for each measure
- Flow sensor input
- 3 Time-programmable AUX outputs
- Possibility to enter Administrator Password



CONTROL AND REGULATING SYSTEMS

PH-RX CONTROL UNIT

ETATRON's control and regulating system for pH and redox is compatible with EtaCloud and comprises: Eligere 02 controller; block valves; connection for 10x14mm tube; water filter with 150-micron washable net cartridge; methacrylate probe holder; pH electrode with plastic body and 1-metre cable ($T_{\max}=60^{\circ}\text{C}$ $P_{\max}=6\text{ bar}$), working range 0-14 pH; redox electrode with plastic body and 1-metre cable ($T_{\max}=60^{\circ}\text{C}$ $P_{\max}=6\text{ bar}$), working range $\pm 1.000\text{ mV}$; 4 x 55ml buffer solution bottles (pH 4, 7, 9 and redox 650 mV); 2 manual pumps with wiring connection available in the central box trunking. Suitable for software EtaCloud connection; optional accessory: connectivity kit.

Panel dimensions 450 x 600 x 10 mm



PH-RX-F CONTROL UNIT

With flow control and adjustment system

ETATRON's pH and redox control and regulating system is compatible with EtaCloud and comprises: Eligere 02 controller; block valves; connection for 10x14 mm tube; water filter with 150-micron washable net cartridge; methacrylate probe holder with proximity switch and flow-adjustment system; manual sampling; pH electrode with plastic body with 1-metre cable ($T_{\max}=60^{\circ}\text{C}$ $P_{\max}=6\text{ bar}$) working range 0-14 pH; redox electrode with plastic body and 1-metre cable ($T_{\max}=60^{\circ}\text{C}$ $P_{\max}=6\text{ bar}$) working range $\pm 1.000\text{ mV}$; 4 x 55ml buffer solution bottles (pH 4, 7, 9 and redox 650 mV); 2 manual pumps with wiring connection available in the central box trunking. Suitable for software EtaCloud connection; optional accessory: connectivity kit.

Panel dimensions 450 x 600 x 10 mm



P CL-F CONTROL UNIT

With flow control and adjustment system

ETATRON's control and regulating system for free chlorine is EtaCloud compatible and comprises: Eligere 01 controller; block valves; connection for 10x14 mm tube; water filter with 150-micron washable net cartridge; methacrylate probe holder with proximity switch and flow-adjustment system; manual sampling; free inorganic and organic chlorine probe (0 – 20) ppm measuring range – probe shows low pH dependence (pH working range 4– 12 pH), chlorine measurement is not affected by isocyanuric acid or surfactant/flocculant presence and the probe is automatically temperature compensated; 0.7-metre probe cable; one manual pump wiring connection available in the central box trunking.

The unit is designed for use with water up to 45°C, requires a constant flow rate between 30 and 40 l/h and has a maximum operating pressure of 1 bar (free discharge at probe holder outlet). The probe includes integrated temperature compensation. Suitable for software EtaCloud connection; optional accessory: connectivity kit.

Panel dimensions 450 x 600 x 10 mm



PH-CL-F P CONTROL UNIT

With flow control and adjustment system

ETATRON's control and regulating system for free chlorine and pH is compatible with EtaCloud and comprises: Eligere 02 controller; block valves; connection for 10x14 mm tube; water filter with 150-micron washable net cartridge, methacrylate probe holder with proximity switch and flow adjustment system; manual sampling; free inorganic and organic chlorine probe (0 – 20) ppm measuring range – probe shows low pH dependence (pH working range 4-12 pH), chlorine measurement is not affected by isocyanuric acid, surfactant/flocculant presence and the probe is automatically temperature compensated; 0.7-metre probe cable; pH electrode with plastic body and 1-metre cable (Tmax=60° C Pmax=6 bar) working range 0-14 pH; 3 x 55ml buffer solution bottles (pH 4, 7 and 9); 2 manual pumps with wiring connection available in the central box trunking.

The unit is designed for use with water up to 45°C, requires a constant flow rate between 30 and 40 l/h and has a maximum operating pressure of 1 bar (free discharge at probe holder outlet). The probe features integrated temperature compensation while a Connectivity Kit is available as an option.

Panel dimensions 450 x 600 x 10 mm



PH-RX-CL-F P CONTROL UNIT

With flow control and adjustment system

Control and regulating system for free chlorine, pH and redox, comprising: Eligere 03 controller; block valves; connection for 10x14 mm tube; water filter with 150-micron washable net cartridge; methacrylate probe holder with proximity switch and flow-adjustment system; manual sampling; free inorganic and organic chlorine probe (0 – 20) ppm measuring range – probe shows low pH dependence (pH working range 4-12pH), chlorine measurement is not affected by isocyanuric acid or surfactant/flocculant presence and the probe is automatic temperature-compensated; 0.7-metre probe cable; pH electrode with plastic body with 1-metre cable (Tmax=60° C Pmax=6 bar) working range 0-14 pH; redox electrode with plastic body and 0.5-metre cable (Tmax=60° C Pmax=6 bar) working range ± 1.000 mV; 4 x 55ml buffer solution bottles (pH 4, 7, 9 and redox 650 mV); 2 manual pumps with wiring connection available in the central box trunking.

The unit is designed for use with water up to 45°C, requires a constant flow rate between 30 and 40 l/h and has a maximum operating pressure of 1 bar (free discharge at probe holder outlet). The probe features integrated temperature compensation while a Connectivity Kit is available as an option.

Panel dimensions 450 x 600 x 10 mm



TANKS AND ACCESSORIES

POLYETHYLENE TANKS

These vertical tanks, produced in MDPE, provide safe containment of toxic liquids and are weather resistant, impervious to ageing and suitable for prolonged exposure to UV.

Tank size	ø mm	H mm	Code
50 l	410	465	ASB 10312 01
100 l	470	650	ASB 10313 01
250 l	610	870	ASB 10314 01
300 l	670	965	ASB 10315 01
500 l	760	1195	ASB 10316 01
1000 l	1085	1223	ASB 10317 01

Higher capacities available upon request.



PE OPEN SAFETY BUND

Stabilised polyethylene anti-UV stackable bunds.

description	ø mm	H mm	Code
for tank 50 l	470	450	ASB 10010 02
for tank 100 l	550	610	ASB 10010 01
for tank 250 l	705	820	ASB 10008 01
for tank 300 l	780	960	ASB 10309 01
for tank 500 l	846	1105	ASB 10310 01
for tank 1000 l	1235	1255	ASB 10311 01



TANK SUPPORT

PP tank support for mixer and/or dosing pump.

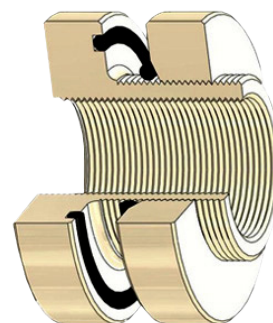
Thickness 10 mm	Code
support for 100 l	ASB 10313 51
support for 250 l	ASB 10314 51
support for 300 l	ASB 10315 51
Thickness 20 mm	Code
support for 500 l	ASB 10316 51
support for 1000 l	ASB 10317 51



OPENING FOR WATER FLOW WITH "O" RING

PP opening for water flow with FPM OR EPDM O-ring.

O-RING	Fitting	DN mm	Code
FPM	1/2"	15	1 TRO 002
EPDM	1/2"	15	1 TRO 006
FPM	3/4"	20	1 TRO 012
EPDM	3/4"	20	1 TRO 011
FPM	1"	25	1 TRO 003
EPDM	1"	25	1 TRO 001
FPM	1 1/4"	32	1 TRO 010
EPDM)	1 1/4"	32	1 TRO 009
FPM	1 1/2"	40	1 TRO 005
EPDM	1 1/2"	40	1 TRO 008
FPM	2"	50	1 TRO 004
EPDM	2"	50	1 TRO 007



MIXERS

AF SERIES

The AF Series are motor-driven high-speed mixers for small-capacity tanks, with shaft bearings sealed by a V-ring to protect from external vapours. Features a 4-pole motor rated at 1400 rpm with PP mixer support flange mounted directly on the tank. The shaft and impeller are in stainless steel 316L or PP covering a steel core. Impeller flow cone type.

Type	Motor power	Shaft Length	Power supply	Code
PP - AF 1-6-4	0.18 kW	600 mm	230/400 V - 50 Hz 3 Phase	EGT 224100 03
PP - AF 1-6-4	0.18 kW	600 mm	230 V - 50 Hz 1 Phase	EGT 224200 03
PP - AF 1-7-4	0.18 kW	700 mm	230/400 V - 50 Hz 3 Phase	EGT 224103 03
PP - AF 1-7-4	0.18 kW	700 mm	230 V - 50 Hz 1 Phase	EGT 224203 03
PP - AF 1-8-4	0.18 kW	800 mm	230/400 V - 50 Hz 3 Phase	EGT 224101 03
PP - AF 1-8-4	0.18 kW	800 mm	230 V - 50 Hz 1 Phase	EGT 224201 03
PP - AF 1-10-4	0.18 kW	1000 mm	230/400 V - 50 Hz 3 Phase	EGT 224104 03
PP - AF 1-10-4	0.18 kW	1000 mm	230 V - 50 Hz 1 Phase	EGT 224204 03
SS316L - AF 1-6-4	0.18 kW	600 mm	230/400 V - 50 Hz 3 Phase	EGT 224100 01
SS316L - AF 1-6-4	0.18 kW	600 mm	230 V - 50 Hz 1 Phase	EGT 224200 01
SS316L - AF1-8-4	0.18 kW	800 mm	230/400 V - 50 Hz 3 Phase	EGT 224101 01
SS316L - AF 1-8-4	0.18 kW	800 mm	230 V - 50 Hz 1 Phase	EGT 224201 01
SS316L - AF1-10-4	0.18 kW	1000 mm	230/400 V - 50 Hz 3 Phase	EGT 224104 01
SS316L - AF1-10-4	0.18 kW	1000 mm	230 V - 50 Hz 1 Phase	EGT 224204 01



AGV SERIES

Swift mixers with rigid coupling via 4–6–8 poles motors equipped with a radial bearing support and seal ring. These mixers are particularly suitable for the mixing or dissolution of products with low viscosity in small/medium tanks. Maximum rating of 5 kW while single or double stuffing boxes, 3-phase motors and SS 304L as standard. Shafts/rotors coating on request.

Motor power	Shaft Length	Rotor diameter
0.18 kW	600 mm	100 mm
0.25 kW	600 mm	110 mm
0.37 kW	800 mm	120 mm
0.55 kW	900 mm	140 mm
0.75 kW	1000 mm	150 mm
1.1 kW	1250 mm	160 mm
1.5 kW	1500 mm	170 mm



AGR-V SERIES

Slow mixers specifically designed for flocculant/neutraliser or flocculant solution preparation. The mixer shaft is directly coupled with the worm gearbox, with the system supplied with shaft and 4 x 45° impeller blades. Three-phase motors supplied as standard with 1-phase on request for power supply lower than 0.37 kW. SS 304L as standard. Shafts/rotors coating on request.

Motor power	Shaft Length	Rotor diameter	RPM
0.18 kW	700 mm	200 mm	140
0.25 kW	800 mm	300 mm	90
0.37 kW	1000 mm	350 mm	90
0.55 kW	1000 mm	400 mm	90
0.75 kW	1200 mm	500 mm	90
1.1 kW	1500 mm	550 mm	90
1.5 kW	1500 mm	700 mm	70



MANUAL MIXER

type	Shaft Length	Code
PVC	400 - 600 - 800 - 1000 mm	AGT M0051 01



WATER METERS AND FLOW METERS

THREADED WATER METER

COLD WATER (max. 30°C) – Threaded water meters, reed impulse transmitters (4 imp/l). ON REQUEST: 2 imp/l, 1 imp/l, 1 imp 2,5l, 1 imp 5l, 1 imp 10l, 1 imp 25l, 1 imp 50l, 1 imp 100l, 1 imp 250l, 1 imp 500l, 1 imp 1,000l.

HOT WATER (max. 90°C) – Threaded water meters, reed impulse transmitters (4 imp/l). ON REQUEST: 2 imp/l, 1 imp/l, 1 imp 2,5l, 1 imp 5l, 1 imp 10l, 1 imp 25l, 1 imp 50l, 1 imp 100l, 1 imp 250l, 1 imp 500l, 1 imp 1,000l.

TEFLON – counters lined for aggressive liquids with a pulse emitter (1, 2.5, 5 and 10 pulses per litre).

HORIZONTAL installation

Fitting inch.	DN mm	Flow m3/h
1/2"	13	1,5
3/4"	20	2,5
1"	25	3,5
1 1/4"	30	5
1 1/2"	40	10
2"	50	15



FLANGED WATER METER

COLD WATER (max. 40°C) – Flanged water meters, reed impulse transmitters. Also available for hot water (130°C) upon request.

ON REQUEST: 1 imp 1,000l for selected items (ask for availability); 1 imp 10l, 1 imp 100l, 1 imp 1,000l for the other codes.

Fitting inch.	DN mm	Flow m3/h	1 imp 10l	1 imp 1.000l
2"	50	15	Std	-
2 1/2"	65	25	Std	-
3"	80	40	Std	-
4"	100	60	-	Std
6"	150	150	-	Std



FLOW METER

ETATRON's electromagnetic induction flow meter consists of a measuring stub for circular section pipes, available in flanged, wafer, threaded or clamp versions for the food industry.

The measuring tube is made of AISI 316 stainless steel, internally coated in plastic (hard or soft rubber, PTFE, EFTE, Rilsan, PFA, PVDF), with four standard measuring electrodes in AISI 316 Ti stainless steel or other materials depending on specification (Hastelloy, titanium, tantalum).

The meter is protected externally by a cylindrical cover with EN1092-1-standard flanges, PN10 - 100, in carbon steel painted with epoxy treatment.

All versions above DN20 are equipped with two additional electrodes for grounding the liquid and checking the presence of air or an empty pipe. Standard executions are DN4 - DN600 with variations according to internal coatings.



FLOW CONVERTER

The flow converter, in combination with electromagnetic induction measuring sensors, has microprocessor electronics housed in a painted aluminium case, available in compact execution and mounted on the measuring tube or independently.

A 2-line x 16-character alphanumeric backlit LCD screen features a multilingual interface for instantaneous and totalised measurement programming and display, rotatable through 350°. Digital outputs: 2 with pulses for totalisation (max 400 Hz) and status threshold, configurable, Analogue output: 4-20 mA configurable and optional HART communication: RS485 Modbus.

Power supply: 110-230 Vac (Optional 24 Vac / Vdc)
Ingress protection: IP65 as standard with optional IP67
or IP68 for the mixer in a separate version.

Additional cost for separate version
Shield cable (minimum 10 metres)
Pulse output + 4-20 mA + RS485 Modbus
ATEX configuration

Diameter	Coating	Coating	Pressure
DN15	-	PTFE	PN40
DN20	-	PTFE	PN40
DN25	RUBBER	PTFE	PN40
DN32	RUBBER	PTFE	PN40
DN40	RUBBER	PTFE	PN40
DN50	RUBBER	PTFE	PN40
DN65	RUBBER	PTFE	PN40
DN80	RUBBER	PTFE	PN40
DN100	RUBBER	-	PN16
DN125	RUBBER	-	PN16
DN150	RUBBER	-	PN16
DN200	RUBBER	-	PN16
DN250	RUBBER	-	PN10

ACCESSORIES

DOUBLE ELECTRODE HOLDER

Probe holder for pH and Rx electrode (plexiglass/PP) • Maximum pressure: 5 bar (73 psi) • Maximum temperature: 45°C (113° F).

Description	Code
pH e Rx (Plexiglass/PP)	SPS 00010 01



DOUBLE ELECTRODE HOLDER WITH FLOW SENSOR

Probe holder for pH and Rx electrodes or temperature probe • Plexiglass/PP • Manual flow-rate adjustment • 2-wire proximity switch • Manual sampling • Maximum pressure: 5 bar (73 psi) • Maximum temperature: 45°C (113° F).

Description	Code
For Quantal – eOne Plus – TwinPool.	SPS 00012 01
For Eligere	SPS 00012 05



DOUBLE PROBE HOLDER

Probe holder for amperometric ion-selective probes and either pH or Rx or temperature probes • Manual sampling • Maximum pressure: 5 bar (73 psi)

Description	Code
For Quantal – eOne Plus – TwinPool. Flow-rate adjustment and 2-wire proximity switch – Plexiglass/PP – Maximum temperature: 45°C (113° F).	SPS 00020 01
For Eligere – Proximity switch – Plexiglass/PVDF/PP – Maximum temperature: 70°C (158° F).	SPS 00020 05



TRIPLE PROBE HOLDER

Probe holder for pH, Rx, amperometric ion-selective and temperature probes. Flow-rate adjustment and 2-wires proximity switch • Plexiglass/PP • Maximum pressure: 5 bar (73 psi) • Maximum temperature: 45°C (113° F).

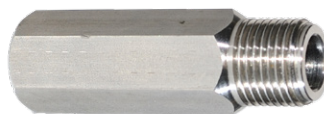
Description	Code
For Quantal – eOne Plus – Twinpool Flow-rate adjustment and 2-wires proximity switch – Plexiglass/PP – Maximum temperature: 45°C (113° F).	SPS 00018 01
For Eligere – 3-wires proximity switch – Plexiglass/PP – Maximum temperature: 45°C (113° F).	SPS 00018 05



INLINE SS ELECTRODE HOLDER

Inline SS electrode holder C. GM 1/2", PG13.5 threaded connection.

Description	Code
1/2" GM connection	DPS 00016 01



INLINE PP ELECTRODE HOLDER

Inline electrode holder. 1/2" conical fitting in PP, for pH and Rx electrodes. Maximum pressure: 5 bar (73 psi).

Description	Code
	DPS 00023 01
With O-ring 3062	KPS 00023 01



INLINE PVC ELECTRODE HOLDER

Inline electrode holder for pressure up to 5 bar (73 psi) and temperature up to 45°C (113° F). GM 1/2" fitting in PVC, for pH and Rx electrodes. Other materials upon request.

Description	Code
PVC	2143 001



CLAMP SADDLE

Clamp saddle for electrode holder. For 3/8" injection valve, use KRA 00058 01 nipple.

Description	Code
1/2" GF - DN50	AFA 00006 02
1/2" GF - DN63	AFA 00008 02



PROXIMITY SWITCHES

Proximity sensor for probe holders and Hychlor chlorine amperometric cell.

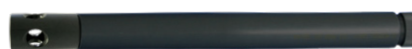
Description	Code
2-wires N.O. - Eligere - Quantal - eOne Plus	ASO 00007 12
2-wires N.C. - MyPool	ASO 00007 03
3-wires - per/for Eligere, SR	ASO 00007 04



SUBMERSIBLE ELECTRODE HOLDER

PVC submersible tubular electrode holder.
Length: 50 cm. For pH and Rx (ORP) electrodes.

Description	Code
0,45 m	2143 002
1 m	2143 003
1,5 m	2143 004
2 m	2143 015
PP support bracket (on request)	SFL 00105 01



PT100 TEMPERATURE PROBE

PT100 Temperature probe. 1/2" connection in PVC, tap type, 5-metre cable. Maximum temperature: 45°C (113° F). Maximum pressure: 5 bar (73 psi).

Description	Code
PVC 1/2" connection	ASO 00003 02



TEMPERATURE PROBE

PT100 temperature probe. Measuring range: 0-100°C.
For electrode holder. Cable length: 5 metres.

Description	Code
Stainless steel	ASO 00026 01
Glass	ASO 00025 01



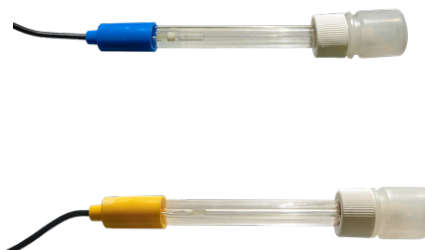
PLASTIC BODY ELECTRODE

pH electrode with polycarbonate body. Measuring range: 0-14 pH. **Redox (ORP) electrode** with polycarbonate body. Measuring range: ± 1,000 mV.

Alternative electrode types or cable lengths upon request.

pH electrode	Code
6 m (19,7 ft) cable/4 bar 60°C (140° F)	AEL 00049 21
1 m (3,3 ft) cable/4 bar 60°C (140° F)	AEL 00049 23
with screwable connector - no cable supplied - 5,5 bar 80°C (176° F)	AEL 00077 01

Rx electrode	Code
6 m (19,7 ft) cable/4 bar 60°C (140° F)	AEL 00050 21
1 m (3,3 ft) cable/4 bar 60°C (140° F)	AEL 00050 23
with screwable connector - no cable supplied - 5,5 bar 60°C (140° F)	AEL 00078 01



GLASS BODY ELECTRODE

Glass body pH or Rx electrodes. Measuring range: pH: 0-14 pH - Rx: $\pm 1,000$ mV. Alternative electrode types upon request.

glass body electrode whit cable	Code
5,5 bar - 80°C - pH - 5 m - 16,4 ft	AEL 00022 03
5,5 bar - 80°C - Rx - 5 m - 16,4 ft	AEL 00023 03
5,5 bar - 80°C - pH - 1 m - 1,6 ft	AEL 00022 02
5,5 bar - 80°C - Rx - 1 m - 1,6 ft	AEL 00023 02

glass body electrode with screw connector PG 13,5	Code
5,5 bar - 80°C - pH	AEL 00079 01
4 bar - 80°C - Rx	AEL 00080 01
6,8 bar - 100°C - pH	AEL 00036 01
6,8 bar - 100°C - Rx	AEL 00042 01
10 bar - 130°C/16 bar - 25°C) - pH	1 ELT 003
10 bar - 130°C/16 bar - 25°C) - RX	AEL 00046 01



COAXIAL CABLE FOR ELECTRODE

Coaxial cable for screw connector electrodes. With BNC and connector.

Description	Code
0,50 m (1,6 ft)	2105 044
1 m (3,2 ft)	SCV 00003 02
3 m (9,8 ft)	2105 003
5 m (16,4 ft)	2105 004
9 m (29,5 ft)	2105 005
15 m (49,2 ft)	2105 007



BUFFER SOLUTIONS

Buffer solution in polythene container (55ml) for calibration and control of pH meter, Rx (ORP) meter and conductimeter (500ml). 250 ml buffer solutions for professional use available on request.

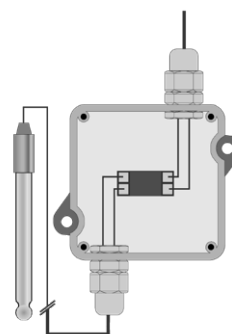
Description	Code
pH 4	ASZ 00 001 01
pH 7	ASZ 00 002 01
pH 9	ASZ 00 003 01
Rx 475 mV	ASZ 00 011 01
Rx 650 mV	ASZ 00 015 01
1413 μ S/cm	ASZ 00 009 01
12880 μ S/cm	ASZ 00 010 01



IMPEDANCE ADAPTOR

The impedance adaptor for pH-Rx electrodes allows the user to install electrodes at long distance (up to 200 metres) from the controller without interference on the signal transmission. The adaptor comes in a watertight connection box (IP65) and is powered by an internal battery with several years' operating life.

Description	Code
	1 ACS 006



ELECTRODES HOLDER

Electrode cell which can be used for a maximum of two probes. Available in PVC and polycarbonate. Supplied with support bracket and brass interconnection valve. Maximum pressure: 5 bar (73 psi). Maximum temperature: 45°C (113°F). Available with flow sensor. Electrodes not included

Description	Code
PVC	SPS 00015 01
PP	SPS 00015 02
PVC with flow switch	SPS 00025 01



FREE INORGANIC AND ORGANIC CHLORINE

Low pH dependence - Compatible with presence of isocyanuric acid, surfactants/flocculants - Automatic temperature compensation - pH working range: 4-12 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 1 bar - Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 20) ppm	ASO 30001 01
(0 - 2) ppm	ASO 30001 02
Membranes	Code
for organic-inorganic free chlorine probe	AME 20001 01
Gel	Code
for free organic chlorine probe, 100ml	ASZ 10001 01



TOTAL CHLORINE

Low pH dependence - Compatible with presence of isocyanuric acid, surfactants/flocculants - Automatic temperature compensation - pH working range: 4-12 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 1 bar. Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 20) ppm	ASO 01016 03
(0 - 2) ppm	ASO 01016 04



FREE INORGANIC CHLORINE

Not compatible with isocyanuric acid or surfactants/flocculants - Automatic temperature compensation - pH working range: 4-8. Operative pH level must remain constant - Requires constant flow rate: 30-40l/h. Maximum working pressure: 1 bar. Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 200) ppm	ASO 01016 05
(0 - 20) ppm	ASO 01016 01
(0 - 2) ppm	ASO 01016 02
(0 - 2) ppm - 1 bar - 70° C	ASO 01016 12



INORG. FREE CHLORINE FOR POTABLE WATER HIGH PRESSURE, OPEN CELL

High pH dependence - Not compatible with isocyanuric acid, surfactants, flocculants, iron and manganese - Automatic temperature compensation - Requires constant flow rate: 30-40l/h - Maximum working pressure: 5 bar - Maximum working temperature: 50°C - Requires dedicated probe holder (available on request). Cable not supplied.

Sensors	Code
(0 - 10) ppm	ASO 01020 01



HYDROGEN PEROXIDE

Compatible with presence of surfactants - Automatic temperature compensation - pH working range: 2-11 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 5 bar (with snap-ring) - Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 200) ppm	ASO 01033 01



PERACETIC ACID

Compatible with surfactants, tensides and conductivity acids - Automatic temperature compensation - pH working range: 2-6 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 1 bar - Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 200) ppm	ASO 01032 01



CHLORINE DIOXIDE

Not compatible with surfactants - Automatic temperature compensation - pH working range: 1-14 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 1 bar - Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 20) ppm	ASO 01031 01
(0 - 2) ppm	ASO 01031 02
(0 - 2) ppm - 8 bar - 70°C	ASO 01031 03



CHLORINE DIOXIDE WITH SURFACTANTS

Compatible with surfactants - Automatic temperature compensation - pH working range: 2-12 - Required constant flow rate: 30-40l/h - Maximum working pressure: 1 bar - Maximum working temperature: 45°C. Cable not supplied.

Sensors	Code
(0 - 20) ppm	ASO 01043 01
(0 - 2) ppm	ASO 01043 02



OZONE

Low pH dependence - Automatic temperature compensation - pH working range: 2-11 - Requires constant flow rate: 30-40l/h - Maximum working pressure: 1 bar - Maximum working temperature: 50°C. Analogic output signal: 0-2.000mV. Cable not supplied.

Sensors	Code
0,05 - 20.00 ppm	ASO 01055 01
0,05 - 2.00 ppm	ASO 01055 02



MEMBRANES

The membrane cap, filled with electrolyte, forms the measurement chamber in which the measuring part is dipped. A micro-porous membrane separates the measuring compartment from the sample to measure. The membranes are supplied with emery cloth.

Description	Code
Organic-inorganic free chlorine probe	AME 00003 01
Inorganic chlorine	AME 00004 01
Hydrogen peroxide/ Peracetic acid	AME 00009 01
Chlorine dioxide	AME 00011 01
Ozone	AME 00012 01



ELECTROLYTE GELS

Bottle of electrolyte gel filling membrane cap replacement (100 ml).

Description	Code
Free organic chlorine probe, 100ml	ASZ 00022 01
Free inorganic chlorine probe, 100ml	ASZ000 23 01
Free inorganic chlorine probe, 70°	ASZ000 25 01
Total chlorine probe, 100ml	ASZ 00026 01
Chlorine dioxide	ASZ000 33 01
Hydrogen peroxide	ASZ 00034 01
Peracetic acid	ASZ000 43 01



CABLE FOR AMPEROMETRIC SENSORS

Cable for membrane-covered amperometric sensor with BNC connector for signal and Hirshmann connector for power supply.

Description	Code
0.7 m - For DLX/Controllers	SCV 01010 03
0.7 m - For eOne/Quantal	SCV 01013 01
0.7 m - For DLXB	SCV 01010 04
0.7 m - For Eligere	ACV 01004 04
3 m - For DLX/Controllers	SCV 01010 05
3 m - For eOne/Quantal	SCV 01013 02
3 m - For Eligere	ACV 01004 01
5 m - For DLX/Controllers	SCV 01010 06
5 m - For eOne/Quantal	SCV 01013 03
5 m - For Eligere	ACV 01004 05
10 m - For DLX/Controllers	SCV 01010 02
10 m - For eOne/Quantal	SCV 01013 04
10 m - For Eligere	ACV 01004 03



HYCHLOR

Sodium hypochlorite probe suitable for use as electrode holder for pH, Rx, and temperature with 2-wire flow sensor inclusive. It can be connected to any AG SELECT controller series with adaptor SCA0001101; 3-wire flow sensor suitable for R, B and Multicontroller instruments. Requires constant water flow rate between 40–60 l/h. Measuring range: 0–2 mg/l Cl₂. Constant pH value: 6–8 pH. Valve for cleaning-chemical injection and easy access for ball cleaning from top of the holder. Maximum working pressure: 5 bar. Chlorine probe cable length: 2 metres.

Description	Code
For 2 wires – Quantal – eOne PLUS	SPS 00 022 01



COPPERPLATINUM ELECTRODES

Spare part for self-cleaning HYCHLOR probe, measuring part composed by copper-platinum electrodes, FPM OR. 3 metre cable.

Description	Code
	SEL 00050 01



GLASS SPHERES

Kit of 30 Pyrex glass spheres for self-cleaning HYCHLOR probe.

Description	Code
Pyrex	KSF 00001 01



GRAPHITE CONDUCTIVITY PROBES

PTFE conductivity probes with graphite electrodes. The probe constant is $K = 0.6 \text{ cm}$, corresponds to 0-100 mS measure range. All probes can be supplied complete with Pt100 temperature integrated sensor (others available upon request) for measure compensation. These probes are suitable for all normal industrial and laboratory applications and can be installed on submersible probe holder, electrode holder and some inline probe holders. PTFE body - 12 mm diameter, 120 mm length - Graphite measure electrodes - Working temperature range: $-5-100^{\circ}\text{C}$ - 5-metre cable.

Description	Code
With temperature sensor	ASO C4111 00



CONDUCTIVITY PROBE

$\frac{1}{2}$ " conductivity cell with graphite electrodes and protection cap - Maximum pressure: 5 bar - Integrated temperature probe PT100 - Cable length: 5 metres - Cell constant $K=1 \text{ cm}$ - Measuring range 0-40000 μS .

Description	Code
CD integrated temperature probe	ASO 00041 01
Conductivity probe	ASO 00041 02

Other conductivity sensors upon request





ETATRON are Italian manufactures of chemical dosing pumps and controllers for **40 years**.

The company designs and manufactures a wide range of pumps and control units that address most chemical dosing and monitoring applications. The Company has an in house team of engineers that offer bespoke solutions for chemical handling and control.

Having now supplied equipment into most operating sectors Potable Water Treatment, Effluent Water Treatment, Leisure, Industry and Horticulture, references are available to verify our abilities.

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