

SIMPLE
AS WATER

Products
Catalogue

emec 



METERING PUMPS

PRISMA

Stepper motor-driven

- Stepper motor
- Multifunction control
- High strength PTFE membrane -5- year warranty
- Foot mounted
- LCD display



STEPPER MOTOR

SLOW SUCTION MODE

TURNDOWN RATIO 1:4800

EXTERNAL CONSTANT DOSING

MULTICOLOR DISPLAY

MULTIFUNCTION

MODE DE FONCTIONNEMENT

CONSTANT CONSTANT à commande externe

PPM % MA PAUSE-TRAVAIL HEBDOMADAIRE

MLQ PULSE VOLT BATCH Externe/Manuel



PRISMA BLUETOOTH

Configuration available with extra-charge

PUMP HEADS



PVDF



PP



AISI316L



PMMA

SUPPLIED ACCESSORIES



Level Probe with foot filter



1/2" or 3/4" Injection valve

METERING PUMPS

AMS Series

Flow rate up to 60 L/hr, working pressure up to 25 bar

- Manual stroke length adjustment
- Manual or self venting
- High strength membrane -5- year warranty
- Horizontal mounting
- PVDF pump head



- AMS MF digital multi-function
- AMS PH built-in pH reading and adjustment
- AMS RH built-in ORP reading and adjustment

- AMS PLUS constant / constant 1-10
multiplier 1-10
divider 1-10 / 1-100 / 1-1000
mA current signal
- AMS CO PLUS constant with divider 1/10
- AMS CL PLUS constant with level control and divider 1/10

PUMP HEADS



PVDF



PP



AISI316



PMMA



LPV



P

SUPPLIED ACCESSORIES



Level Probe
with foot filter



1/2" or 3/4"
Injection valve



K Series

Flow rate up to 18 L/hr, working pressure up to 20 bar

- Manual stroke length adjustment
- Manual or self venting
- High strength membrane -5- year warranty
- Horizontal mounting
- PVDF pump head



- KMS DC digital constant
- KMS MF digital multi-function
- KMS PH built-in pH reading and adjustment
- KMS RH built-in ORP reading and adjustment
- KMS EN weekly timer and solenoid valve control
- KMS CL built-in chlorine reading and control

- K PLUS constant / constant 1-10 multiplier 1-10 divider 1-10 / 1-100 / 1-1000 mA current signal
- K CO PLUS constant with divider 1/10
- K CL PLUS constant with level control and divider 1/10

PUMP HEADS



PVDF



PP



AISI316



PMMA



LPV



P

SUPPLIED ACCESSORIES



Level Probe with foot filter



1/2" Injection valve

METERING PUMPS

T Series

Flow rate up to 100 L/hr, working pressure up to 20 bar

- Electronic flow adjustment
- Manual or self venting
- High strength membrane - 5 - year warranty
- Wall mounting
- PVDF pump head



- TMS DC digital constant
- TMS MF digital multi-function
- TMS PH built-in pH reading and adjustment
- TMS RH built-in ORP reading and adjustment

- TCO constant
- TCL constant with level control

PUMP HEADS



PVDF



PP



LPV



P

SUPPLIED ACCESSORIES



Level Probe with foot filter



1/2" or 3/4" Injection valve

METERING PUMPS



V Series

Flow rate up to 16 L/hr, working pressure up to 20 bar

- Réglage électronique du débit
- Purge manuelle ou automatique
- Membrane haute résistance - garantie 5 ans
- Montage mural
- Tête de pompe en PVDF
- Modèles silencieux et ultra-silencieux également disponibles



- VMS MF digital multi-function
- VMS PO built-in pH or ORP reading and control (set by menu)
- VMS EN weekly timer and solenoid valve control

- VCO constant
- VCL constant with level control

PUMP HEADS



PVDF
Manual venting



PP
Manual venting



PVDF
Self venting



PP
Self venting

SUPPLIED ACCESSORIES



Level Probe
with foot filter



1/2" Injection
valve

METERING PUMPS

WDPHXX Series

Flow rate up to 10 L/hr, working pressure up to 7 bar

- Digital programmable controller with double metering pumps
- Wall mounting
- Easy control by ENCODER wheel with EASY-NAV rotation
- Double PVDF pump head
- RS485 output for remote control



WDPHRH acid (pH) and disinfectant (ORP)

WDPHCL acid (pH) and chlorine

WDPHCF acid, flocculant (gr/h) and 230 VAC output for chlorine

WDPHCA acid, anti-algae and 230 VAC output for chlorine

WDPHOS acid (pH) and active oxygen

PUMP HEADS



PVDF Manual venting PP Manual venting PVDF Self venting PP Self venting

SUPPLIED ACCESSORIES



Level Probe with foot filter Clapet d'injection 1/2"

METERING PUMPS

PRIUS

Flow rate up to 1000 l/h, working pressure up to 10 bar



PRIUS D

Motor driven diaphragm metering pump

- Solid Teflon diaphragm pump heads with built in priming valve
- Stroke length adjustment
- Single and three phase motors.
- 0.18, 0.37 and 0.55 kW motors sizes
- 50 and 60 Hz motors
- Foot valve with filter, injection valve and tubing included in the pumps with capacities up to 240 l/h

PUMP HEADS



PVDF

PP

AISI316L

PVC

METERING PUMPS

PRIUS

Flow rate up to 1000 l/h, working pressure up to 10 bar



PRIUS D MF

Multifunction motor driven diaphragm dosing pumps

- PTFE diaphragm
- 230 VAC single phase power supply
- Wide display with clear information and easy navigation system with the click and turn wheel.
- Gear box can be rotated on the field 90 degrees for optimal installation
- Operating modes: Constant - ppm - % - mlq - pause-work - pulse - weekly - mA - Volt and Batch
- Level input
- Stand-by
- MODBUS (optional)
- IP65 Motor (optional)

PUMP HEADS



PVDF

PP

AISI316

PVC

METERING PUMPS



 **PRIUS**

Flow rate up to 508 l/h, working pressure up to 10 bar



PRIUS P

Motor driven plunger metering pump

- Ceramic and SS plungers
- SS and PP pump heads
- Stroke length adjustment
- Single and three phase motors
- 0.18, 0.37 and 0.55 kW motors sizes
- 50 and 60 Hz motors

PUMP HEADS



PP

AISI316L

PLUNGERS



CERAMIC (SIALOX96)

AISI420

METERING PUMPS



PRIUS

Flow rate up to 240 l/h, working pressure up to 10 bar



PRIUS D ATEX & PRIUS P ATEX 2D/2G-3D/3G

Motor driven diaphragm/plunger metering pump

- PTFE diaphragm / Ceramic or SS plunger
- Stroke length adjustment
- Three phase motors
- Aluminium enclosure
- Stainless steel liquid ends (AISI 316)



PUMP HEADS (PRIUS D ATEX)

PUMP HEADS & PLUNGERS (PRIUS P ATEX)



PVDF



PP



AISI316L



PP



AISI316L



CERAMIC
(SIALOX96)



AISI420

METERING PUMPS

Pumps Accessories

Reliable products

CHEMICAL TANKS & SAFETY BUNDS



Chemical tanks made of polyethylene, UV resistant with safety bunds.
For dosing pumps and mixers.



Our chemical tanks can be assembled with:

- 1 Dosing pump (or 2 without mixer)
- 1 mixer
- 1 water loading faucet
- 1 outgassing valve
- 1 or 2 suction lances
- 1 water purging faucet
- 2 level probes with filter (without mixer)

Assembling made with two dosing pumps must use a double-suction lance and KDPV kit for connecting both the pumps.

MIXVN/8



High speed mixer 1400 RPM.
AISI shaft-PVC coated,
different lengths available
(630-730).
Marine impeller, diameter 70mm.

MIXN/8



Slow speed mixer 65/200 RPM.
AISI shaft-PVC coated, different
lengths available
(630-730mm).
3-blade impeller, diameter 150mm.

MIXN/MAN



Manual mixer.
PVC shaft, different
lengths available
(450-650 and 770-1100 mm).
Impeller diameter 130 mm.

MIX « PISTON »



Manual mixer.
PVC shaft, different lengths
available (450 mm).

METERING PUMPS



Pumps Accessories

Reliable products

LASP



Suction lances with level control, for tanks up to 1000 liters.

LINI R



1/2" injection lance for dosing sodium hypochlorite in hard water. Self cleaning. FKM B o-ring. PVDF or Stainless Steel body.

MF MULTIFUNCTION VALVE



Multifunction valve (pressure, safety, antisiphon and bleed) 1/2" connections for different hoses diameters. FKM B or EPDM o-ring. PVDF body.

SEFL



Flow sensor with PVDF body, N.C. contact and adjustable sensitivity.

Max 45°C - 25 bar

CWFA



Woltmann water pulse sender water meter, dry dial.

Max 60°C - 16 bar

CTFI



Cold water pulse sender water meter.

Max 30°C - 16 bar

CATFI - dry dial

CWFAT



Woltmann water pulse sender water meter, dry dial and PTFE internal/external coating.

Max 60°C - 16 bar

CTFIT



Cold water pulse sender water meter and PTFE internal/external coating.

Max 30°C - 16 bar

CHLORINE DIOXIDE GENERATOR



LOTUS MINI is an all-round solution for all your need for water disinfection. It is safe and solid and can also be controlled remotely via the web application ERMES through a 2G/3G modem or a lan adapter, while Modbus is available as option.

Its elegant cover preserves the cleanliness of the inner components and their integrity. Chlorine dioxide produced by LOTUS MINI can be proportional to the circulating water flow or based on a measured setpoint. There is no storage of chlorine dioxide therefore there is no chlorine dioxide gas or concentrated solutions outside of the process application.

Max capacity: from 8 to 20 g/h

FEATURES

- > Instantaneous ClO₂ production
- > ClO₂ dosing in proportional mode
- > Flow control input (flow alarm)
- > Tank level controls (level alarms)
- > Water meter input
- > Stand-by input
- > Real time production data
- > Pumps and SEFL flow sensors monitoring
- > Permanent data storage with system data log (on Logbook menu)
- > ERMES communication
- > USB data log (option)
- > Ethernet module (option)
- > GSM internal modem (option)
- > MODBUS module (option)
- > WIFI module (option)
- > Service due date
- > mA output
- > ClO₂ concentration: 2 g/l
- > Flow control input (flow alarms)
- > Tank level control (level alarms)
- > HCl (red), NaClO₂ (blue) and dilution water (grey) metering pumps
- > 3 SEFL pump dosing check
- > MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed valve
- > PVC reaction chamber
- > ASA (Acrylonitrile Styrene Acrylate) or fiber glass enclosure
- > IP65 protection (NEMA4x) of LOTUS control instrument and pumps
- > Wheel control for easy programming
- > Working temperature: 0-45°C (32-110°F)

ADVANTAGES

Reaction at controlled pressure

Max capacity: from 8 to 20 g/h

- > High degree of stability of the chlorine dioxide solution
- > No ClO₂ loss due to closed reaction chamber
- > Diluted chemicals

Also available equipped with a ClO₂ probe (SCL2 or SCL17) or a Redox probe (ERH), a probe holder and a filter.

GAS SENSOR OPTION

LOTUS MINI with gas sensor detection.

CUSTOMIZED SOLUTIONS

ANTI-LEGIONELLA

Sanitary hot water lines disinfection

- | Easy maintenance
- | Automatic re-priming
- | Tailor-made solutions
- | Custom panels for specific treatments
- | Remote Control



Sample panel

emec 
SIMPLE AS WATER

 **MIXER (CHILE) LTDA.**