EMEC

WATER TREATMENT SYSTEMS

Product catalogue

emec®

GENERAL CATALOGUE

01

Stepper motor dosing pumps

02

Motor-driven dosing pumps

03

Solenoid-driven dosing pumps

04

Disinfection systems

05

Controllers

06

Pulse emitting water meters

07

Probes

08

Accessories

Series \ PRISMA
Stepper motor dosing pumps

technical data
manuals
datasheets
exploded-views

PRISMA is a dosing pump with a diaphragm stepper motor. The stepper motor with microprocessor control makes the dosing process precise and homogeneous.
Positioning and speed of the diaphragm are controlled by the microprocessor for the entire delivery/suction cycle. Slow Mode makes it possible to reduce the suction speed for an optimal priming of the viscous liquids.
PRISMA dosing pumps with stepper motor give you the most reliable dosing process thanks to an incredible Turndown ratio of 1:4800 that enables you to get an extremely accurate and homogeneous distribution of the product to be dosed according to the application needs.

PERFORMANCE

80 l/h

20 bar

POWER SUPPLY

12-24 VDC

90-240 VAC

VENTING

MANUAL

Modbus

PUMP HEADS

PVDF

PP

AISI 316L

PMMA

PRISMA WIFI
■
PRISMA BLUETOOTH
■
12VDC or 24VDC power supply
■

FEATURES

- Horizontal mounting, with display
- Diaphragm dosing pump with stepper motor
- Turndown ratio 1:4800
- Slow mode for viscous liquid
- Pump working status signaled with multicolor display: pump running (green); stand-by (white); warning condition (yellow); alarm condition (red)
- Power supply: 90 – 240 V, 50/60 Hz
- Manual venting pump head (PVDF and PP)
- Double ball check valve

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PVDF delivery hose (2 mt)
- Flexible PVC suction hose (2 mt)
- 4x6 PVC degassing hose (2 mt)

PRISMA

Constant and proportional dosing with multifunction

FEATURES

- Horizontal mounting
- Multicolor digital display
- Microprocessor technology
- Double ball check valve
- Electronic stroke length adjustment
- PTFE membrane

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - Constant with external input
  - ppm
  - %
  - mlq
  - Pause-work
  - Weekly
  - mA
  - Pulse
  - Volt
  - External Batch
  - Manual Batch
  - cc/pulse

INPUTS

Level control
Stand-by
Water meter or external signal

OUTPUTS

Alarm
mA

TECHNICAL DATA

		pump head	hoses		pvdf hose
bar	l/h	model	suc.	del.	extra charge
20	1	I	4 x 6	4 x 6	■
25	2	L	4 x 6	4 x 6	■
20	5	L	4 x 6	4 x 6	■
16	7.5	L	4 x 6	4 x 6	■
10	13	M	6 x 8	6 x 8	■
7	20	N	8 x 12	8 x 10	■
5	28	N	8 x 12	8 x 10	■
4	50	N	8 x 12	8 x 10	■
2	80	N	8 x 12	8 x 10	■

PRISMA

1 l code PRI		pump head l oring l	PVDF			PP			PMMA		SS		
			FP	EP	W	FP	EP	W	FP	EP	FP	EP	
2 l bar	3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	alarm output
20	1		-	-	-	-	-	-	■	■	-	-	■
25	2		■	■	■	■	■	■	■	■	■	■	■
20	5		■	■	■	■	■	■	■	■	■	■	■
16	7.5		■	■	■	■	■	■	■	■	■	■	■
10	13		■	■	■	■	■	■	■	■	■	■	■
7	20		■	■	■	■	■	■	■	■	■	■	■
5	28		■	■	■	■	■	■	■	■	■	■	■
4	50		■	■	■	■	■	■	■	■	■	■	■
2	80		■	■	■	■	■	■	■	■	■	■	■

PRISMA MODBUS

1 l code PRS		pump head l oring l	PVDF			PP			PMMA		SS		
			FP	EP	W	FP	EP	W	FP	EP	FP	EP	
2 l bar	3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	alarm output
20	1		-	-	-	-	-	-	■	■	-	-	■
25	2		■	■	■	■	■	■	■	■	■	■	■
20	5		■	■	■	■	■	■	■	■	■	■	■
16	7.5		■	■	■	■	■	■	■	■	■	■	■
10	13		■	■	■	■	■	■	■	■	■	■	■
7	20		■	■	■	■	■	■	■	■	■	■	■
5	28		■	■	■	■	■	■	■	■	■	■	■
4	50		■	■	■	■	■	■	■	■	■	■	■
2	80		■	■	■	■	■	■	■	■	■	■	■

PRISMA WIFI

1 | code		pump head | oring |	PVDF			PP			PMMA		SS		
PRW			FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		-	-	-	-	-	-	■	■	-	-	■
25	2		■	■	■	■	■	■	■	■	■	■	■
20	5		■	■	■	■	■	■	■	■	■	■	■
16	7.5		■	■	■	■	■	■	■	■	■	■	■
10	13		■	■	■	■	■	■	■	■	■	■	■
7	20		■	■	■	■	■	■	■	■	■	■	■
5	28		■	■	■	■	■	■	■	■	■	■	■
4	50		■	■	■	■	■	■	■	■	■	■	■
2	80		■	■	■	■	■	■	■	■	■	■	■

Series \ WNPHxx
Controller with peristaltic stepper dosing pumps

The **WNPHxx** series has been developed by EMEC to offer a complete and user-friendly solution for swimming pool water treatment and for all those installations where precise, reliable and silent operation is needed, such as in wellness and spa environments.

The **WNPHxx** series products are two-channel and multi-parameter with a temperature readout.

Distinctive features also include:
- optimised dosing capacity as result of its electronically controlled stepper motor. This allows the rotation speed to be varied in real time and therefore also the dosage, in a range of from 1% to 100%;
- ability to detect and manage electromechanical faults.

The large backlit LCD screen and encoder knob makes data clearly visible and the menus easy to navigate so that operating modes can be quickly programmed with the relative alarm settings and different outputs. The **WNPHxx** can also be remote controlled using the ERMES platform and the My Emec app.

The WN series includes the following:

WNPHxx, a compact all-in-one solution for maximum precision which also comprises a control instrument and two peristaltic stepper dosing pumps in one product; WNPHxx-S, a compact all-in-one solution for maximum precision which also comprises a control instrument, a peristaltic stepper dosing pump and a salt electrolysis output (max. 5A).

PERFORMANCE

1-100 rpm

1,8 l/h at 100 rpm

1,6x1,6 hose

12 l/h at 100 rpm

4,8x1,6 hose

2 bar

ALIMENTAZIONE

100-240 VAC

FEATURES

- No. 2 high-precision stepper motors
- Precision through peristaltic dosing
- Great flexibility of use (1 m3 - 250 m3)
- Low maintenance requirements (longlasting biocompatibile peristaltic tube)
- Scheduled maintenance alerts
- Advanced operator safety (inverters and low-permeability materials)
- New automatic dosage adjustment system
- Built-in Wi-Fi connectivity
- Remote control via ERMES/ My EMEC App

BASIC MODEL ACCESSORIES

- 2 PVDF injection valves (0.3 bar)
- 2 PVDF level probes
- 2 PVDF foot strainers
- 8 meters of suction hose (flexible PVC)
- 2 long-lasting biocompatible tubes 4.8x1.6 (standard equipment)

COMMUNICATION

WIFI

DIGITAL SERVICES

APP **MY EMEC**

ONLINE STATS

CUSTOMIZABLE

Series\WNPHxx
Basic models

dati tecnici
manuali
datasheet
esplosi

WNPH RH

pH and ORP proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Disinfectant** - 0/1000 mV Redox

FUNCTIONS

- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up
- Two supply voltage outputs, controlled by probe reading or timer, (max 5A total)
- Weekly timer

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WNPH CL

pH and Chlorine/Bromine proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Chlorine** - 0/10 mg/l Cl_2
- **Bromine** - 0/10 mg/l Br

FUNCTIONS

- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up
- Two supply voltage outputs, controlled by probe reading or timer, (max 5A total)
- Weekly timer

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WNPH OS

pH and active oxygen proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Active oxygen** - 0/100°C Temperature

FUNCTIONS

- Weekly/daily timer for active oxygen
- Definition of the standard dosing amount based on the tank volume
- Instant reading and probe check up
- Two supply voltage outputs, controlled by probe reading or timer, (max 5A total)

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WN PER

bar (max)	Hose: Ø 4,8x1,6*		Hose: Ø 1,6x1,6**		Hoses		Hoses material	alarm output
	l/h	ml/round	l/h	ml/round	injection	suction	PharMed® BPT	
2	12	2	1,8	0,3	4x6	4x6	■	■

* 2 pcs supplied and mounted directly on the peristaltic pump head.
** 2 pcs supplied inside the packaging.

NB: working range of 1-100 rpm.

NOTES

ENVIRONMENT TEMPERATURE
-10°C ÷ +40°C (14°F ÷ 104°F)

CHEMICAL TEMPERATURE WITH PVDF PUMP HEAD
-10°C ÷ +65°C (14°F ÷ 149°F)

CHEMICAL TEMPERATURE WITH SS PUMP HEAD
-10°C ÷ +90°C (14°F ÷ 194°F)

CHEMICAL TEMPERATURE WITH PP PUMP HEAD
-10°C ÷ +40°C (14°F ÷ 104°F)

HOSES WORKING PRESSURE TABLE

HOSE	20°C	40°C	60°C	80°C	90°C
13x16 PVDF	17 bar	12 bar	10 bar	8 bar	4 bar
12x18 PVC	19 bar	16 bar	12 bar	-	-
18x22 PVDF	17 bar	12 bar	10 bar	8 bar	4 bar
16x22 PVC	13 bar	11 bar	8 bar	-	-
32x42 PVC (delivery)	9 bar	7 bar	6 bar	-	-
30x40 PVC (suction)	-9,18 m H_2O				

Series\PRIUS MF

Multifunction motor-driven pumps

The PRIUS MF series is designed for industrial dosing needs. The PRIUS MF line, available with membrane or piston, has an electronic unit that can control and manage the dosing process according to 10 different working modes.
The electronic unit can be mounted in two positions: frontal or rotated.

Different pump heads enable the pump to handle the most aggressive chemical agents.
The display and the graphical interface simplify pump programming and management.
Also available in the high pressure version.

PERFORMANCE

1000 l/h

10 bar

POWER SUPPLY

230 VAC

115 VAC

MOUNTING

STANDARD

ROTATED

Modbus

PUMP HEADS

PVDF

PP

AISI 316L

FEATURES

- Double ball check valve
- Aluminium enclosure
- Spring return mechanism
- Manual degassing valve (PVDF and PP pump heads)
- Liquid ends available in different sizes and materials
- Double position of the electronic unit (default or alternative gear box position)
- IP55 motors

INSTALLATION

- Kit installation A included
- Kits installation B and C sold separately
- The pump with pump head in AISI316L does not have accessories for installation
- Flow sensors connection (optional)

description
EXTRA MODBUS
EXTRA MOTOR IP65 PRIUS
EXTRA 4-20 MA OUTPUT

Modbus

PUMP HEADS

AISI316L

PP

PLUNGERS

CERAMIC

AISI420

Series\PRIUS MF
Multifunction motor-driven pumps

technical data
manuals
datasheets
exploded-views

PRIUS D MF

Multifunction diaphragm pump with constant/proportional dosing

FEATURES

- Digital display
- PTFE diaphragm
- **Constant**
- **mA signal input**
- **Volt signal input**
- Batch dosing
- Pause-work program
- Water meter
- External input

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q
  - pause-work
  - pulse
  - weekly

INPUT	OUTPUT
Level control	Alarm
Stand-by	mA
Water meter or external signal	
Flow sensor	

PRIUS P MF

Multifunction plunger pump with constant/proportional dosing

FEATURES

- Digital display
- Ceramic or STAINLESs steel (AISI420) plunger
- **Constant**
- **mA signal input**
- **Volt signal input**
- Batch dosing
- Pause-work program
- Water meter
- External input

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q
  - pause-work
  - pulse
  - weekly

INPUT	OUTPUT
Level control	Alarm
Stand-by	mA
Water meter or external signal	
Flow sensor	

PRIUS D MF AP

Multifunction diaphragm pump for high pressure

FEATURES

- Digital display
- PTFE diaphragm
- **Constant**
- **mA signal input**
- **Volt signal input**
- Batch dosing
- Pause-work program
- Water meter
- External input
- Pump head in AISI 316L

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q
  - pause-work
  - pulse
  - weekly

INPUT	OUTPUT
Level control	Alarm
Stand-by	mA
Water meter or external signal	

- Red inputs and outputs are optional.

PRIUS D DIAPHRAGM MULTIFUNCTION

1 | code PDMF						pump head |	PVDF		AISI316L		PP		Kit instal-lation
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor	hoses connection	4 | K	hoses connection	4 | S	hoses connection	4 | P	
10	60	NM	3	175	1 8:1	2 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	30	NM	3	94	2 15:1	2 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	24	NM	3	70	4 20:1	2 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	12	NM	3	35	5 40:1	2 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	16	NM	4	35	5 40:1	2 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	105	TM	3	175	1 8:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	56	TM	3	94	2 15:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	42	TM	3	70	4 20:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	21	TM	3	35	5 40:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	160	TM	4	175	1 8:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	86	TM	4	94	2 15:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	64	TM	4	70	4 20:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	32	TM	4	35	5 40:1	2 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
5	240	TM	6	175	1 8:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	128	TM	6	94	2 15:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	96	TM	6	70	4 20:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	48	TM	6	35	5 40:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
2	1000	UMS	10	175	1 8:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
4	520	UMS	10	94	2 15:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	390	UMS	10	70	4 20:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	180	UMS	10	35	5 40:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	350	UMS	4	175	1 8:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	188	UMS	4	94	2 15:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	140	UMS	4	70	4 20:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	70	UMS	4	35	5 40:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	440	UMS	5	175	1 8:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	236	UMS	5	94	2 15:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	176	UMS	5	70	4 20:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	88	UMS	5	35	5 40:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	530	UMS	6	175	1 8:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	284	UMS	6	94	2 15:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	212	UMS	6	70	4 20:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	106	UMS	6	35	5 40:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
3	750	UMS	8	175	1 8:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	380	UMS	8	94	2 15:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	290	UMS	8	70	4 20:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	141	UMS	8	35	5 40:1	2 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C

PRIUS D DIAPHRAGM MULTIFUNCTION HIGH PRESSURE

1 I code										
PDMF							pump head I	AISI316L		
2 I bar	3 I l/h	pump head	stroke mm	spm	6 I reduction		7 I motor	hoses connection	4 I S	
100	4	LM AP	1.5	175	1	8:1	2 0,37 kW	R 3/8"	■	
100	2	LM AP	1.5	94	2	15:1	2 0,37 kW	R 3/8"	■	
100	1,5	LM AP	1.5	70	4	20:1	2 0,37 kW	R 3/8"	■	
50	17	MM AP	2	175	1	8:1	2 0,37 kW	R 1/2"	■	
50	9	MM AP	2	94	2	15:1	2 0,37 kW	R 1/2"	■	
50	5	MM AP	2	70	4	20:1	2 0,37 kW	R 1/2"	■	
50	2,5	MM AP	2	35	5	40:1	2 0,37 kW	R 1/2"	■	
30	28	NM AP	2	175	1	8:1	2 0,37 kW	R 1/2"	■	
30	15	NM AP	2	94	2	15:1	2 0,37 kW	R 1/2"	■	
30	10	NM AP	2	70	4	20:1	2 0,37 kW	R 1/2"	■	
30	5	NM AP	2	35	5	40:1	2 0,37 kW	R 1/2"	■	
30	76	SM AP	4	175	1	8:1	2 0,37 kW	R 1/2"	■	
30	41	SM AP	4	94	2	15:1	2 0,37 kW	R 1/2"	■	
30	30	SM AP	4	70	4	20:1	2 0,37 kW	R 1/2"	■	
30	14	SM AP	4	35	5	40:1	2 0,37 kW	R 1/2"	■	
20	91	TM AP	6	94	2	15:1	2 0,37 kW	R 3/4"	■	
20	68	TM AP	6	70	4	20:1	2 0,37 kW	R 3/4"	■	
20	34	TM AP	6	35	5	40:1	2 0,37 kW	R 3/4"	■	

PRIUS P PLUNGER MULTIFUNCTION

1 | code **PPMF**

2 | bar	3 | l/h	pump head | plunger |			6 | reduction	7 | motor	PP | CERAMIC		AISI316L | AISI420		Kit installation
		plunger	stroke mm	spm			hoses connection	4 | D	hoses connection	4 | E	
10	24	14	15	175	1 8:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	13	14	15	94	2 15:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	10	14	15	70	4 20:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	5	14	15	35	5 40:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	80	25	15	175	1 8:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	43	25	15	94	2 15:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	32	25	15	70	4 20:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	16	25	15	35	5 40:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	130	32	15	175	1 8:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	70	32	15	94	2 15:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	52	32	15	70	4 20:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	26	32	15	35	5 40:1	2 0,37 kW	G 1/2" 12x18	■	R 1/2"	■	A
10	210	40	15	175	1 8:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	113	40	15	94	2 15:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	84	40	15	70	4 20:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	42	40	15	35	5 40:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	320	50	15	175	1 8:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	172	50	15	94	2 15:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	128	50	15	70	4 20:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	64	50	15	35	5 40:1	2 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B

Series \ PRIUS D 50 Hz

Diaphragm motor-driven dosing pumps

PRIUS series of motor-driven dosing pumps have been entirely designed and manufactured by EMEC to meet higher level requirements.
PRIUS D 50 Hz pumps with constant dosing are equipped with PTFE diaphragm and are also available in the AP version for high pressures and with three-phase or single-phase (Mono) motor.
ATEX certified models are allowed to be used in potentially explosive atmospheres.

PERFORMANCE

1000 l/h

100 bar

POWER SUPPLY

380 VAC

220 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Horizontal mounting
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve (where available)
- Manual stroke length adjustment
- Flow rate adjustment from 0 to 100% with manual adjustment on the knob
- Liquid ends available in different sizes and materials
- Tropicalized motor
- Available with ATEX certification

INSTALLATION

- Kit installation A included
- Kits installation B and C sold separately
- The pump with pump head in AISI316L does not have accessories for installation

description
EXTRA MOTOR IP65 PRIUS

PUMP HEADS

PVDF

PP

AISI 316L

Series \ PRIUS D 50 Hz
Diaphragm motor-driven dosing pumps

technical data
manuals
datasheets
exploded-views

PRIUS D 50 Hz

Diaphragm pump with constant dosing

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220/380 V 3-phase
0,18 kW 220/380 V 3-phase
0,55 kW 220/380 V 3-phase

PRIUS D 50 Hz Mono

Diaphragm pump with constant dosing and single-phase motor

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- Single-phase motor

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

PRIUS D 50Hz AP

Diaphragm pump with constant dosing for high pressure

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- For high pressure

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220/380 V 3-phase

PRIUS D 50Hz AP Mono

Diaphragm pump for high pressure with single-phase motor

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- For high pressure
- Single-phase motor

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

ATEX - Category 2

Category 2		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres are likely to occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 1	Zone 21

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.
› Stainless steel liquid ends (AISI 316L).

ATEX - Category 3

Category 3		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres only rarely occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 2	Zone 22

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.

PRIUS D DIAPHRAGM 50Hz

1 | code								PVDF		AISI 316L		PP		
PD00							pump head |							
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | K	hoses connection	4 | S	hoses connection	4 | P	Kit installation
10	60	NM	3	175	1 8:1	1 0,18 kW		G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	30	NM	3	94	2 15:1	1 0,18 kW		G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	24	NM	3	70	4 20:1	1 0,18 kW		G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	12	NM	3	35	5 40:1	1 0,18 kW		G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	16	NM	4	35	5 40:1	1 0,18 kW		G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	105	TM	3	175	1 8:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	56	TM	3	94	2 15:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	42	TM	3	70	4 20:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	21	TM	3	35	5 40:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	160	TM	4	175	1 8:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	86	TM	4	94	2 15:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	64	TM	4	70	4 20:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	32	TM	4	35	5 40:1	2 0,37 kW		G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
5	240	TM	6	175	1 8:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	128	TM	6	94	2 15:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	96	TM	6	70	4 20:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	48	TM	6	35	5 40:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
2	1000	UMS	10	175	1 8:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	1000	UMS	10	175	1 8:1	L 0,55 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	520	UMS	10	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
4	520	UMS	10	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	390	UMS	10	70	4 20:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	180	UMS	10	35	5 40:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	350	UMS	4	175	1 8:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	188	UMS	4	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	140	UMS	4	70	4 20:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	70	UMS	4	35	5 40:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	440	UMS	5	175	1 8:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	236	UMS	5	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	176	UMS	5	70	4 20:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	88	UMS	5	35	5 40:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	530	UMS	6	175	1 8:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	284	UMS	6	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	212	UMS	6	70	4 20:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	106	UMS	6	35	5 40:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
3	750	UMS	8	175	1 8:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	750	UMS	8	175	1 8:1	L 0,55 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	380	UMS	8	94	2 15:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	290	UMS	8	70	4 20:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	141	UMS	8	35	5 40:1	2 0,37 kW		G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C

PRIUS D DIAPHRAGM 50Hz SINGLE-PHASE

1 | code						pump head |	PVDF		AISI 316L		PP		
PD00														
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor	hoses connection	4 | K	hoses connection	4 | S	hoses connection	4 | P	Kit installation
10	60	NM	3	175	1 8:1	6 0,37 kW	G 1/2″ 13 mm (i.d.)	■	R 1/2″	■	G 1/2″ 13 mm (i.d.)	■	A
10	30	NM	3	94	2 15:1	6 0,37 kW	G 1/2″ 13 mm (i.d.)	■	R 1/2″	■	G 1/2″ 13 mm (i.d.)	■	A
10	24	NM	3	70	4 20:1	6 0,37 kW	G 1/2″ 13 mm (i.d.)	■	R 1/2″	■	G 1/2″ 13 mm (i.d.)	■	A
10	12	NM	3	35	5 40:1	6 0,37 kW	G 1/2″ 13 mm (i.d.)	■	R 1/2″	■	G 1/2″ 13 mm (i.d.)	■	A
10	105	TM	3	175	1 8:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
10	56	TM	3	94	2 15:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
10	42	TM	3	70	4 20:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
10	21	TM	3	35	5 40:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
7	160	TM	4	175	1 8:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
7	86	TM	4	94	2 15:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
7	64	TM	4	70	4 20:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
7	32	TM	4	35	5 40:1	6 0,37 kW	G 3/4″ 13 mm (i.d.)	■	R 3/4″	■	G 3/4″ 13 mm (i.d.)	■	A
5	240	TM	6	175	1 8:1	6 0,37 kW	G 3/4″ 18 mm (i.d.)	■	R 3/4″	■	G 3/4″ 18 mm (i.d.)	■	B
5	128	TM	6	94	2 15:1	6 0,37 kW	G 3/4″ 18 mm (i.d.)	■	R 3/4″	■	G 3/4″ 18 mm (i.d.)	■	B
5	96	TM	6	70	4 20:1	6 0,37 kW	G 3/4″ 18 mm (i.d.)	■	R 3/4″	■	G 3/4″ 18 mm (i.d.)	■	B
5	48	TM	6	35	5 40:1	6 0,37 kW	G 3/4″ 18 mm (i.d.)	■	R 3/4″	■	G 3/4″ 18 mm (i.d.)	■	B
5	350	UMS	4	175	1 8:1	8 0,55 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	188	UMS	4	94	2 15:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	140	UMS	4	70	4 20:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	70	UMS	4	35	5 40:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	440	UMS	5	175	1 8:1	8 0,55 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	236	UMS	5	94	2 15:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	176	UMS	5	70	4 20:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	88	UMS	5	35	5 40:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	530	UMS	6	175	1 8:1	8 0,55 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	284	UMS	6	94	2 15:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	212	UMS	6	70	4 20:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C
5	106	UMS	6	35	5 40:1	6 0,37 kW	G 1 1/2″ 30 mm (i.d.)	■	R 1″	■	G 1 1/2″ 30 mm (i.d.)	■	C

PRIUS D DIAPHRAGM 50Hz HIGH PRESSURE

1 | code								pump head |	AISI 316L		PVDF	
PD00													
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction		7 | motor		hoses connection	4 | S	hoses connection	4 | K
100	4	LM AP	1.5	175	1	8:1	2	0,37 kW	R 3/8"	■	-	/
100	2	LM AP	1.5	94	2	15:1	2	0,37 kW	R 3/8"	■	-	/
100	1,5	LM AP	1.5	70	4	20:1	2	0,37 kW	R 3/8"	■	-	/
50	17	MM AP	2	175	1	8:1	2	0,37 kW	R 1/2"	■	-	/
50	9	MM AP	2	94	2	15:1	2	0,37 kW	R 1/2"	■	-	/
50	5	MM AP	2	70	4	20:1	2	0,37 kW	R 1/2"	■	-	/
50	2,5	MM AP	2	35	5	40:1	2	0,37 kW	R 1/2"	■	-	/
30	28	NM AP	2	175	1	8:1	2	0,37 kW	R 1/2"	■	-	/
30	14	NM AP	2	94	2	15:1	2	0,37 kW	R 1/2"	■	-	/
30	10	NM AP	2	70	4	20:1	2	0,37 kW	R 1/2"	■	-	/
30	5	NM AP	2	35	5	40:1	2	0,37 kW	R 1/2"	■	-	/
30	76	SM AP	4	175	1	8:1	2	0,37 kW	R 1/2"	■	-	/
30	41	SM AP	4	94	2	15:1	2	0,37 kW	R 1/2"	■	-	/
30	30	SM AP	4	70	4	20:1	2	0,37 kW	R 1/2"	■	-	/
30	15	SM AP	4	35	5	40:1	2	0,37 kW	R 1/2"	■	-	/
20	170	TM AP	6	175	1	8:1	2	0,37 kW	R 3/4"	■	-	/
20	91	TM AP	6	94	2	15:1	2	0,37 kW	R 3/4"	■	-	/
20	68	TM AP	6	70	4	20:1	2	0,37 kW	R 3/4"	■	-	/
20	34	TM AP	6	35	5	40:1	2	0,37 kW	R 3/4"	■	-	/
20	30	NM AP	2	175	1	8:1	2	0,37 kW	R 3/4"	-	8x10 (PVDF) / 8x12 (PVC)	■
20	16	NM AP	2	94	2	15:1	2	0,37 kW	R 3/4"	-	8x10 (PVDF) / 8x12 (PVC)	■
20	12	NM AP	2	70	4	20:1	2	0,37 kW	R 3/4"	-	8x10 (PVDF) / 8x12 (PVC)	■
20	6	NM AP	2	35	5	40:1	2	0,37 kW	R 3/4"	-	8x10 (PVDF) / 8x12 (PVC)	■

PRIUS D DIAPHRAGM 50Hz SINGLE-PHASE HIGH PRESSURE

1 | code							pump head |	AISI 316L	
PD00									
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction		7 | motor	hoses connection	4 | S
100	4	LM AP	1.5	175	1	8:1	6	0,37 kW	R 3/8"	■
100	2	LM AP	1.5	94	2	15:1	6	0,37 kW	R 3/8"	■
100	1,5	LM AP	1.5	70	4	20:1	6	0,37 kW	R 3/8"	■
50	17	MM AP	2	175	1	8:1	6	0,37 kW	R 1/2"	■
50	9	MM AP	2	94	2	15:1	6	0,37 kW	R 1/2"	■
50	5	MM AP	2	70	4	20:1	6	0,37 kW	R 1/2"	■
50	2,5	MM AP	2	35	5	40:1	6	0,37 kW	R 1/2"	■
30	28	NM AP	2	175	1	8:1	6	0,37 kW	R 1/2"	■
30	14	NM AP	2	94	2	15:1	6	0,37 kW	R 1/2"	■
30	10	NM AP	2	70	4	20:1	6	0,37 kW	R 1/2"	■
30	5	NM AP	2	35	5	40:1	6	0,37 kW	R 1/2"	■
30	76	SM AP	4	175	1	8:1	6	0,37 kW	R 1/2"	■
30	41	SM AP	4	94	2	15:1	6	0,37 kW	R 1/2"	■
30	30	SM AP	4	70	4	20:1	6	0,37 kW	R 1/2"	■
30	15	SM AP	4	35	5	40:1	6	0,37 kW	R 1/2"	■
20	170	TM AP	6	175	1	8:1	8	0,55 kW	R 3/4"	■
20	91	TM AP	6	94	2	15:1	8	0,55 kW	R 3/4"	■
20	68	TM AP	6	70	4	20:1	6	0,37 kW	R 3/4"	■
20	34	TM AP	6	35	5	40:1	6	0,37 kW	R 3/4"	■

PRIUS D DIAPHRAGM 50Hz ATEX 2G/2D

1 | code						pump head |	II 2G Ex h IIC T3 Gb AISI 316L		II 2 D Ex h IIIC T120°C Db AISI 316L	
PD00											
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | S	7 | motor	4 | S
10	6	NM	1.5	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	60	NM	3	175	1 8:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	30	NM	3	94	2 15:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	24	NM	3	70	4 20:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	12	NM	3	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	16	NM	4	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	105	TM	3	175	1 8:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	56	TM	3	94	2 15:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	42	TM	3	70	4 20:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	21	TM	3	35	5 40:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
7	160	TM	4	175	1 8:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
7	86	TM	4	94	2 15:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
7	64	TM	4	70	4 20:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
7	32	TM	4	35	5 40:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
5	240	TM	6	175	1 8:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
5	128	TM	6	94	2 15:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
5	96	TM	6	70	4 20:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
5	48	TM	6	35	5 40:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■

PRIUS D DIAPHRAGM 50Hz ATEX 3G/3D

1 | code **PD00**

2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	pump head | 7 | motor	II 3G Ex h IIC T3 Gc PVDF 4 | K	AISI316L 4 | S	PP 4 | P	pump head | 7 | motor	II 3 D Ex h IIIC T120°C Dc PVDF 4 | K	AISI316L 4 | S	PP 4 | P	Kit instal-lation
10	60	NM	3	175	1 8:1	A 0,18 kW	■	/	■	B 0,25 kW	■	/	■	A
10	30	NM	3	94	2 15:1	A 0,18 kW	■	/	■	B 0,25 kW	■	/	■	A
10	24	NM	3	70	4 20:1	A 0,18 kW	■	/	■	B 0,25 kW	■	/	■	A
10	12	NM	3	35	5 40:1	A 0,18 kW	■	/	■	B 0,25 kW	■	/	■	A
10	16	NM	4	35	5 40:1	A 0,18 kW	■	/	■	B 0,25 kW	■	/	■	A
10	105	TM	3	175	1 8:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
10	56	TM	3	94	2 15:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
10	42	TM	3	70	4 20:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
10	21	NM	3	35	5 40:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
7	160	TM	4	175	1 8:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
7	86	TM	4	94	2 15:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
7	64	TM	4	70	4 20:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
7	32	TM	4	35	5 40:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	A
5	240	TM	6	175	1 8:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	B
5	128	TM	6	94	2 15:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	B
5	96	TM	6	70	4 20:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	B
5	48	TM	6	35	5 40:1	C 0,37 kW	■	/	■	D 0,37 kW	■	/	■	B
5	1000	UMS	10	175	1 8:1	C 0,55 kW	■	■	■	B 0,25 kW	■	■	■	C
2	1000	UMS	10	175	1 8:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	520	UMS	10	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
4	520	UMS	10	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	390	UMS	10	70	4 20:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	180	UMS	10	35	5 40:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	350	UMS	4	175	1 8:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	188	UMS	4	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	140	UMS	4	70	4 20:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	70	UMS	4	35	5 40:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	440	UMS	5	175	1 8:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	236	UMS	5	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	176	UMS	5	70	4 20:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	88	UMS	5	35	5 40:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	530	UMS	6	175	1 8:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	284	UMS	6	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	212	UMS	6	70	4 20:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	106	UMS	6	35	5 40:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	750	UMS	8	175	1 8:1	C 0,55 kW	■	■	■	B 0,25 kW	■	■	■	C
3	750	UMS	8	175	1 8:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	380	UMS	8	94	2 15:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	290	UMS	8	70	4 20:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C
5	141	UMS	8	35	5 40:1	C 0,37 kW	■	■	■	D 0,37 kW	■	■	■	C

PRIUS D DIAPHRAGM HIGH PRESSURE 50Hz ATEX 2G/2D

1 | code							pump head |	II 2G Ex h IIC T3 Gb	II 2 D Ex h IIIC T120°C Db
PD00								AISI316L	AISI316L
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | S	4 | S
100	4	LM AP	1.5	175	1 8:1	R 3/8"	C 0,37 kW	■	■
100	2	LM AP	1.5	94	2 15:1	R 3/8"	C 0,37 kW	■	■
100	1,5	LM AP	1.5	70	4 20:1	R 3/8"	C 0,37 kW	■	■
50	17	MM AP	2	35	5 40:1	R 1/2"	C 0,37 kW	■	■
50	9	MM AP	2	94	2 15:1	R 1/2"	C 0,37 kW	■	■
50	5	MM AP	2	70	4 20:1	R 1/2"	C 0,37 kW	■	■
50	2,5	MM AP	2	35	5 40:1	R 1/2"	C 0,37 kW	■	■
30	28	NM AP	2	175	1 8:1	R 1/2"	C 0,37 kW	■	■
30	15	NM AP	2	94	2 15:1	R 1/2"	C 0,37 kW	■	■
30	10	NM AP	2	70	4 20:1	R 1/2"	C 0,37 kW	■	■
30	5	NM AP	2	35	5 40:1	R 1/2"	C 0,37 kW	■	■
30	76	SM AP	4	175	1 8:1	R 1/2"	C 0,37 kW	■	■
30	41	SM AP	4	94	2 15:1	R 1/2"	C 0,37 kW	■	■
30	30	SM AP	4	70	4 20:1	R 1/2"	C 0,37 kW	■	■
30	14	SM AP	4	35	5 40:1	R 1/2"	C 0,37 kW	■	■
20	170	TM AP	6	175	1 8:1	R 3/4"	C 0,37 kW	■	■
20	91	TM AP	6	94	2 15:1	R 3/4"	C 0,37 kW	■	■
20	68	TM AP	6	70	4 20:1	R 3/4"	C 0,37 kW	■	■
20	34	TM AP	6	35	5 40:1	R 3/4"	C 0,37 kW	■	■

Series \ PRIUS D 60 Hz

Diaphragm motor-driven dosing pumps

PRIUS series of motor-driven dosing pumps have been entirely designed and manufactured by EMEC to meet higher level requirements.
PRIUS D 60 Hz pumps with constant dosing are equipped with PTFE diaphragm and are also available in the AP version for high pressures and with three-phase or single-phase (Mono) motor.
ATEX certified models are allowed to be used in potentially explosive atmospheres.

PERFORMANCE

950 l/h

100 bar

POWER SUPPLY

380 VAC

220 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Horizontal mounting
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve (where available)
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- Tropicalized motor
- Available with ATEX certification

INSTALLATION

- Kit installation A included
- Kits installation B and C sold separately
- The pump with pump head in AISI316L does not have accessories for installation

description
EXTRA MOTOR IP65 PRIUS

PUMP HEADS

PVDF

PP

AISI 316L

Series \ PRIUS D 60 Hz
Diaphragm motor-driven dosing pumps

technical data
manuals
datasheets
exploded-views

PRIUS D 60 Hz

Diaphragm pump with constant dosing

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220/380 V 3-phase
0,18 kW 220/380 V 3-phase
0,55 kW 220/380 V 3-phase

PRIUS D 60 Hz Mono

Diaphragm pump with constant dosing and single-phase motor

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- Single-phase motor

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

PRIUS D 60Hz AP

Diaphragm pump with constant dosing for high pressure

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- For high pressure

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220/380 V 3-phase

PRIUS D 60Hz AP Mono

Diaphragm pump for high pressure with single-phase motor

FEATURES
- PTFE diaphragm
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- For high pressure
- Single-phase motor

FUNCTIONS
- Constant dosing

MOTORS
0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

ATEX - Category 2

Category 2		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres are likely to occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 1	Zone 21

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.
› Stainless steel liquid ends (AISI 316L).

ATEX - Category 3

Category 3		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres only rarely occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 2	Zone 22

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.

PRIUS D DIAPHRAGM 60Hz

1 | code								PVDF		AISI 316L		PP		
PD00						pump head |							
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor	hoses connection	4 | K	hoses connection	4 | S	hoses connection	4 | P	Kit installation
10	55	NM	3	175	3 10:1	3 0,18 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	27	NM	3	87	4 20:1	3 0,18 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	14	NM	3	44	5 40:1	3 0,18 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	100	TM	3	175	3 10:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	50	TM	3	87	4 20:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	25	TM	3	44	5 40:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	150	TM	4	175	3 10:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	75	TM	4	87	4 20:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	37	TM	4	44	5 40:1	4 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
5	230	TM	6	175	3 10:1	4 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	115	TM	6	87	4 20:1	4 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	57	TM	6	44	5 40:1	4 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
2	950	UMS	10	175	3 10:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	950	UMS	10	175	3 10:1	N 0,55 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
2	472	UMS	10	87	4 20:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
2	238	UMS	10	44	5 40:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	335	UMS	4	175	3 10:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	165	UMS	4	87	4 20:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	84	UMS	4	44	5 40:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	420	UMS	5	175	3 10:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	210	UMS	5	87	4 20:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	105	UMS	5	44	5 40:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	505	UMS	6	175	3 10:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	250	UMS	6	87	4 20:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	126	UMS	6	44	5 40:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
3	720	UMS	8	175	3 10:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
3	357	UMS	8	87	4 20:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
3	181	UMS	8	44	5 40:1	4 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C

PRIUS D DIAPHRAGM 60Hz SINGLE-PHASE

1 | code						pump head |	PVDF		AISI 316L		PP		Kit instal-lation
PD00														
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor	hoses connection	4 | K	hoses connection	4 | S	hoses connection	4 | P	
10	55	NM	3	175	3 10:1	R 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	27	NM	3	87	4 20:1	R 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	14	NM	3	44	5 40:1	R 0,37 kW	G 1/2" 13 mm (i.d.)	■	R 1/2"	■	G 1/2" 13 mm (i.d.)	■	A
10	100	TM	3	175	3 10:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	50	TM	3	87	4 20:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
10	25	TM	3	44	5 40:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	150	TM	4	175	3 10:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	75	TM	4	87	4 20:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
7	37	TM	4	44	5 40:1	R 0,37 kW	G 3/4" 13 mm (i.d.)	■	R 3/4"	■	G 3/4" 13 mm (i.d.)	■	A
5	230	TM	6	175	3 10:1	R 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	115	TM	6	87	4 20:1	R 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	57	TM	6	44	5 40:1	R 0,37 kW	G 3/4" 18 mm (i.d.)	■	R 3/4"	■	G 3/4" 18 mm (i.d.)	■	B
5	335	UMS	4	175	3 10:1	E 0,55 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	165	UMS	4	87	4 20:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	84	UMS	4	44	5 40:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	420	UMS	5	175	3 10:1	E 0,55 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	210	UMS	5	87	4 20:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	105	UMS	5	44	5 40:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	505	UMS	6	175	3 10:1	E 0,55 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	250	UMS	6	87	4 20:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C
5	126	UMS	6	44	5 40:1	R 0,37 kW	G 1 1/2" 30 mm (i.d.)	■	R 1"	■	G 1 1/2" 30 mm (i.d.)	■	C

PRIUS D DIAPHRAGM 60Hz HIGH PRESSURE

1 | code							pump head |	AISI 316L		PVDF	
PD00											
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | S	hoses connection	4 | K
100	3	LM AP	1.5	175	3 10:1	4 0,37 kW		R 3/8"	■	-	/
100	1,5	LM AP	1.5	87	4 20:1	4 0,37 kW		R 3/8"	■	-	/
50	14	MM AP	2	175	3 10:1	4 0,37 kW		R 1/2"	■	-	/
50	7	MM AP	2	87	4 20:1	4 0,37 kW		R 1/2"	■	-	/
50	3,5	MM AP	2	44	5 40:1	4 0,37 kW		R 1/2"	■	-	/
30	26	NM AP	2	175	3 10:1	4 0,37 kW		R 1/2"	■	-	/
30	13	NM AP	2	87	4 20:1	4 0,37 kW		R 1/2"	■	-	/
30	6	NM AP	2	44	5 40:1	4 0,37 kW		R 1/2"	■	-	/
30	72	SM AP	4	175	3 10:1	4 0,37 kW		R 1/2"	■	-	/
30	36	SM AP	4	87	4 20:1	4 0,37 kW		R 1/2"	■	-	/
30	18	SM AP	4	44	5 40:1	4 0,37 kW		R 1/2"	■	-	/
20	153	TM AP	6	175	3 10:1	4 0,37 kW		R 3/4"	■	-	/
20	76	TM AP	6	87	4 20:1	4 0,37 kW		R 3/4"	■	-	/
20	38	TM AP	6	44	5 40:1	4 0,37 kW		R 3/4"	■	-	/
20	27	NM AP	2	175	3 10:1	4 0,37 kW		-	-	8x10 (PVDF) / 8x12 (PVC)	■
20	13	NM AP	2	87	4 20:1	4 0,37 kW		-	-	8x10 (PVDF) / 8x12 (PVC)	■
20	7	NM AP	2	44	5 40:1	4 0,37 kW		-	-	8x10 (PVDF) / 8x12 (PVC)	■

PRIUS D DIAPHRAGM 60Hz HIGH PRESSURE SINGLE-PHASE

1 | code							pump head |	AISI316L	
PD00									
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | S
100	3	LM AP	1.5	175	3 10:1	R 0,37 kW		R 3/8"	■
100	1,5	LM AP	1.5	87	4 20:1	R 0,37 kW		R 3/8"	■
50	14	MM AP	2	175	3 10:1	R 0,37 kW		R 1/2"	■
50	7	MM AP	2	87	4 20:1	R 0,37 kW		R 1/2"	■
50	3,5	MM AP	2	44	5 40:1	R 0,37 kW		R 1/2"	■
30	26	NM AP	2	175	3 10:1	R 0,37 kW		R 1/2"	■
30	13	NM AP	2	87	4 20:1	R 0,37 kW		R 1/2"	■
30	6	NM AP	2	44	5 40:1	R 0,37 kW		R 1/2"	■
30	72	SM AP	4	175	3 10:1	R 0,37 kW		R 1/2"	■
30	36	SM AP	4	87	4 20:1	R 0,37 kW		R 1/2"	■
30	18	SM AP	4	44	5 40:1	R 0,37 kW		R 1/2"	■
20	153	TM AP	6	175	3 10:1	E 0,55 kW		R 3/4"	■
20	76	TM AP	6	87	4 20:1	R 0,37 kW		R 3/4"	■
20	38	TM AP	6	44	5 40:1	R 0,37 kW		R 3/4"	■

PRIUS D DIAPHRAGM 60Hz ATEX 2G/2D

1 | code							pump head |	II 2G Ex h IIC T3 Gb AISI 316L		II 2 D Ex h IIIC T120°C Db AISI 316L	
PD00											
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	hoses connection		7 | motor	4 | S	7 | motor	4 | S
10	7	NM	1.5	35	5 40:1	R 1/2"		3 0,37 kW	■	3 0,43 kW	■
10	55	NM	3	175	3 10:1	R 1/2"		3 0,37 kW	■	3 0,43 kW	■
10	27	NM	3	70	4 20:1	R 1/2"		3 0,37 kW	■	3 0,43 kW	■
10	14	NM	3	35	5 40:1	R 1/2"		3 0,37 kW	■	3 0,43 kW	■
10	100	TM	3	175	3 10:1	R 1/2"		V 0,37 kW	■	3 0,43 kW	■
10	50	TM	3	87	4 20:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
10	25	TM	3	44	5 40:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
7	150	TM	4	175	3 10:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
7	75	TM	4	87	4 20:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
7	37	TM	4	44	5 40:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
5	230	TM	6	175	3 10:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
5	115	TM	6	87	4 20:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■
5	57	TM	6	44	5 40:1	R 3/4"		V 0,37 kW	■	3 0,43 kW	■

PRIUS D DIAPHRAGM 60Hz ATEX 3G/3D

1 | code								II 3G Ex h IIC T3 Gc				II 3 D Ex h IIIC T120°C Dc				
PD00							pump head |	PVDF	AISI316L	PP	pump head |	PVDF	AISI316L	PP	Kit instal-
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	7 | motor	4 | K	4 | S	4 | P	7 | motor	4 | K	4 | S	4 | P	lation
10	55	NM	3	175	3 10:1	A 0,25 kW	■	/	■	B 0,29 kW	■	/	■	A
10	27	NM	3	70	4 20:1	A 0,25 kW	■	/	■	B 0,29 kW	■	/	■	A
10	14	NM	3	35	5 40:1	A 0,25 kW	■	/	■	B 0,29 kW	■	/	■	A
10	100	TM	3	175	3 10:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
10	50	TM	3	87	4 20:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
10	25	TM	3	44	5 40:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
7	150	TM	4	175	3 10:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
7	75	TM	4	87	4 20:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
7	37	TM	4	44	5 40:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	A
5	230	TM	6	175	3 10:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	B
5	115	TM	6	87	4 20:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	B
5	57	TM	6	44	5 40:1	V 0,37 kW	■	/	■	V 0,43 kW	■	/	■	B
5	335	UMS	4	175	3 10:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	165	UMS	4	87	4 20:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	84	UMS	4	44	5 40:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	420	UMS	5	175	3 10:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	210	UMS	5	87	4 20:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	105	UMS	5	44	5 40:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	505	UMS	6	175	3 10:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	250	UMS	6	87	4 20:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C
5	126	UMS	6	44	5 40:1	V 0,37 kW	■	■	■	V 0,43 kW	■	■	■	C

PRIUS D DIAPHRAGM 60Hz ATEX 2G/2D HIGH PRESSURE

1 | code								II 2G Ex h IIC T3 Gb	II 2 D Ex h IIIC T120°C Db
PD00							pump head |	AISI316L	AISI316L
2 | bar	3 | l/h	p.h.	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | S	4 | S
100	3	LM AP	1.5	175	3 10:1	R 3/8"	D 0,43 kW	■	■
100	1,5	LM AP	1.5	70	4 20:1	R 3/8"	D 0,43 kW	■	■
50	14	MM AP	2	175	3 10:1	R 1/2"	V 0,43 kW	■	■
50	7	MM AP	2	87	4 20:1	R 1/2"	V 0,43 kW	■	■
50	3,5	MM AP	2	44	5 40:1	R 1/2"	V 0,43 kW	■	■
30	26	NM AP	2	175	3 10:1	R 1/2"	V 0,43 kW	■	■
30	13	NM AP	2	87	4 20:1	R 1/2"	V 0,43 kW	■	■
30	6	NM AP	2	44	5 40:1	R 1/2"	V 0,43 kW	■	■
30	72	SM AP	4	175	3 10:1	R 1/2"	V 0,43 kW	■	■
30	36	SM AP	4	87	4 20:1	R 1/2"	V 0,43 kW	■	■
30	18	SM AP	4	44	5 40:1	R 1/2"	V 0,43 kW	■	■
20	153	TM AP	6	175	3 10:1	R 3/4"	V 0,43 kW	■	■
20	76	TM AP	6	87	4 20:1	R 3/4"	V 0,43 kW	■	■
20	38	TM AP	6	44	5 40:1	R 3/4"	V 0,43 kW	■	■

Series\PRIUS P 50 Hz
Plunger motor-driven dosing pumps

PRIUS series of motor-driven dosing pumps have been entirely designed and manufactured by EMEC to meet higher level requirements.
PRIUS P 50 Hz pumps with constant dosing are equipped with ceramic or SS plunger and are available with three-phase or single-phase (Mono) motor.
ATEX certified models are allowed to be used in potentially explosive atmospheres.

PERFORMANCE

508 l/h

10 bar

POWER SUPPLY

380 VAC

220 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Horizontal mounting
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve (where available)
- Manual stroke length adjustment
- Flow rate adjustment from 0 to 100% with manual adjustment on the knob
- Liquid ends available in different sizes and materials
- Tropicalized motor
- Available with ATEX certification

INSTALLATION

- Kit installation A included
- Kits installation B and C sold separately
- The pump with pump head in AISI316L does not have accessories for installation

description
EXTRA MOTOR IP65 PRIUS

PUMP HEADS

AISI 316L

PP

PLUNGERS

CERAMIC

AISI 420

Series PRIUS P 50 Hz

PRIUS P 50 Hz

Plunger pump with constant dosing

FEATURES

- Ceramic or stainless steel (AISI420) plunger
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials

FUNCTIONS

- Constant dosing

MOTORS

0,18 kW 3-phase 220/380 V
0,37 kW 3-phase 220/380 V
0,55 kW 3-phase 220/380 V

PRIUS P 50 Hz Mono

Plunger pump with constant dosing with single-phase motor

FEATURES

- Ceramic or stainless steel (AISI420) plunger
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- Single-phase motor

FUNCTIONS

- Constant dosing

MOTORS

0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

ATEX - Category 2

Category 2		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres are likely to occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 1	Zone 21

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.
› Stainless steel liquid ends (AISI 316L).

ATEX - Category 3

Category 3		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres only rarely occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 2	Zone 22

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.

PRIUS P PLUNGER 50Hz

1 | code		pump head | plunger |						PP | CERAMIC		AISI316L | AISI420		Kit instal-lation
PP00													
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | D	hoses connection	4 | E	
10	24	14	15	175	1 8:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	13	14	15	94	2 15:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	10	14	15	70	4 20:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	5	14	15	35	5 40:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	80	25	15	175	1 8:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	43	25	15	94	2 15:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	32	25	15	70	4 20:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	16	25	15	35	5 40:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	130	32	15	175	1 8:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	70	32	15	94	2 15:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	52	32	15	70	4 20:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	26	32	15	35	5 40:1	1 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	210	40	15	175	1 8:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	113	40	15	94	2 15:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	84	40	15	70	4 20:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	42	40	15	35	5 40:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	320	50	15	175	1 8:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	172	50	15	94	2 15:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	128	50	15	70	4 20:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	64	50	15	35	5 40:1	2 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
7	508	63	15	175	1 8:1	L 0,55 kW		-	-	R 1"	■	-
7	273	63	15	94	2 15:1	2 0,37 kW		-	-	R 1"	■	-
7	203	63	15	70	4 20:1	2 0,37 kW		-	-	R 1"	■	-
7	101	63	15	35	5 40:1	2 0,37 kW		-	-	R 1"	■	-

PRIUS P PLUNGER 50Hz SINGLE-PHASE

1 | code		pump head | plunger |						PP | CERAMIC		AISI316L | AISI420		Kit instal-lation
PP00													
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | D	hoses connection	4 | E	
10	24	14	15	175	1 8:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	13	14	15	94	2 15:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	10	14	15	70	4 20:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	5	14	15	35	5 40:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	80	25	15	175	1 8:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	43	25	15	94	2 15:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	32	25	15	70	4 20:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	16	25	15	35	5 40:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	130	32	15	175	1 8:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	70	32	15	94	2 15:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	52	32	15	70	4 20:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	26	32	15	35	5 40:1	6 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	210	40	15	175	1 8:1	8 0,55 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	113	40	15	94	2 15:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	84	40	15	70	4 20:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	42	40	15	35	5 40:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	320	50	15	175	1 8:1	8 0,55 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	172	50	15	94	2 15:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	128	50	15	70	4 20:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	64	50	15	35	5 40:1	6 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
7	508	63	15	175	1 8:1	8 0,55 kW		-	-	R 1"	■	-
7	273	63	15	94	2 15:1	6 0,37 kW		-	-	R 1"	■	-
7	203	63	15	70	4 20:1	6 0,37 kW		-	-	R 1"	■	-
7	101	63	15	35	5 40:1	6 0,37 kW		-	-	R 1"	■	-

PRIUS P PLUNGER 50Hz ATEX 2G/2D

1 | code							II 2G Ex h IIC T3 Gb		II 2 D Ex h IIIC T120°C Db	
PP00						pump head | plunger |	AISI316L | AISI420		AISI316L | AISI420	
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | S	7 | motor	4 | S
10	24	14	15	175	1 8:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	13	14	15	94	2 15:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	10	14	15	70	4 20:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	5	14	15	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	80	25	15	175	1 8:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	43	25	15	94	2 15:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	32	25	15	70	4 20:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	16	25	15	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	130	32	15	175	1 8:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	70	32	15	94	2 15:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	52	32	15	70	4 20:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	26	32	15	35	5 40:1	R 1/2"	A 0,25 kW	■	B 0,25 kW	■
10	210	40	15	175	1 8:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	113	40	15	94	2 15:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	84	40	15	70	4 20:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	42	40	15	35	5 40:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	320	50	15	175	1 8:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	172	50	15	94	2 15:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	128	50	15	70	4 20:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
10	64	50	15	35	5 40:1	R 3/4"	C 0,37 kW	■	D 0,37 kW	■
7	508	63	15	175	1 8:1	R 1"	A 0,25 kW	■	B 0,55 kW	■
7	273	63	15	94	2 15:1	R 1"	C 0,37 kW	■	D 0,37 kW	■
7	203	63	15	70	4 20:1	R 1"	C 0,37 kW	■	D 0,37 kW	■
7	101	63	15	35	5 40:1	R 1"	C 0,37 kW	■	D 0,37 kW	■

PRIUS P PLUNGER 50Hz ATEX 3G/3D

1 | code							II 3G Ex h IIC T3 Gc		II 3 D Ex h IIIC T120°C Dc		
PP00						pump head | plunger |	PP | CERAMIC		PP | CERAMIC		Kit instal-lation
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | D	7 | motor	4 | D	
10	24	14	15	175	1 8:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	13	14	15	94	2 15:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	10	14	15	70	4 20:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	5	14	15	35	5 40:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	80	25	15	175	1 8:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	43	25	15	94	2 15:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	32	25	15	70	4 20:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	16	25	15	35	5 40:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	130	32	15	175	1 8:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	70	32	15	94	2 15:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	52	32	15	70	4 20:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	26	32	15	35	5 40:1	G 1/2" 12x18	A 0,25 kW	■	B 0,25 kW	■	A
10	210	40	15	175	1 8:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	113	40	15	94	2 15:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	84	40	15	70	4 20:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	42	40	15	35	5 40:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	320	50	15	175	1 8:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	172	50	15	94	2 15:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	128	50	15	70	4 20:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B
10	64	50	15	35	5 40:1	G 3/4" 18 mm (i.d.)	C 0,37 kW	■	D 0,37 kW	■	B

Series \ PRIUS P 60 Hz
Plunger motor-driven dosing pumps

PRIUS series of motor-driven dosing pumps have been entirely designed and manufactured by EMEC to meet higher level requirements.
PRIUS P 60 Hz pumps with constant dosing are equipped with ceramic or SS plunger and are available with three-phase or single-phase (Mono) motor.
ATEX certified models are allowed to be used in potentially explosive atmospheres.

PERFORMANCE

469 l/h

10 bar

POWER SUPPLY

380 VAC

220 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Horizontal mounting
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve (where available)
- Manual stroke length adjustment
- Flow rate adjustment from 0 to 100% with manual adjustment on the knob
- Liquid ends available in different sizes and materials
- Tropicalized motor
- Available with ATEX certification

INSTALLATION

- Kit installation A included
- Kits installation B and C sold separately
- The pump with pump head in AISI316L does not have accessories for installation

description
EXTRA MOTOR IP65 PRIUS

PUMP HEADS

AISI 316L

PP

PLUNGERS

CERAMIC

AISI 420

Series \ PRIUS P 60 Hz

Plunger motor-drive.. ..ging pumps

technical data
manuals
datasheets
exploded-views

PRIUS P 60 Hz

Plunger pump with constant dosing

FEATURES

- Ceramic or stainless steel (AISI420) plunger
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials

FUNCTIONS

- Constant dosing

MOTORS

0,37 kW 220/380 V 3-phase
0,18 kW 220/380 V 3-phase
0,55 kW 220/380 V 3-phase

PRIUS P 60 Hz Mono

Plunger pump with constant dosing with single-phase motor

FEATURES

- Ceramic or stainless steel (AISI420) plunger
- Manual stroke length adjustment
- Liquid ends available in different sizes and materials
- Single-phase motor

FUNCTIONS

- Constant dosing

MOTORS

0,37 kW 220 V single-phase
0,55 kW 220 V single-phase

ATEX - Category 2

Category 2		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres are likely to occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 1	Zone 21

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.
› Stainless steel liquid ends (AISI 316L).

ATEX - Category 3

Category 3		
Installation areas liable to be endangered by explosive atmospheres.	Pumps intended for use in areas in which explosive atmospheres only rarely occur.	
	G (gas)	D (dust)
1999/92/EC	Zone 2	Zone 22

› Explosive atmospheres consists of air and combustible matter, such as gases, vapours, mists or dusts in which the explosion spreads after ignition.
› Atex pumps are designed in accordance with ATEX directive 2014/34/EU and can be used in areas (zones) classified according to ATEX directive 1999/92/CE.

PRIUS P PLUNGER 60Hz

1 | code		pump head | plunger |						PP | CERAMIC		AISI316L | AISI420		Kit instal-lation
PP00												
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | D	hoses connection	4 | E	
10	23	14	15	175	3 10:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	11	14	15	87	4 20:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	5	14	15	44	5 40:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	76	25	15	175	3 10:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	38	25	15	87	4 20:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	19	25	15	44	5 40:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	126	32	15	175	3 10:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	63	32	15	87	4 20:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	31	32	15	44	5 40:1	3 0,18 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	195	40	15	175	3 10:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	97	40	15	87	4 20:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	48	40	15	44	5 40:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	300	50	15	175	3 10:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	150	50	15	87	4 20:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	75	50	15	44	5 40:1	4 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
7	469	63	15	175	3 10:1	N 0,55 kW		-	-	R 1"	■	-
7	234	63	15	87	4 20:1	4 0,37 kW		-	-	R 1"	■	-
7	117	63	15	44	5 40:1	4 0,37 kW		-	-	R 1"	■	-

PRIUS P PLUNGER 60Hz SINGLE-PHASE

1 | code		pump head | plunger |						PP | CERAMIC		AISI316L | AISI420		Kit instal-lation
PP00												
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	7 | motor		hoses connection	4 | D	hoses connection	4 | E	
10	23	14	15	175	3 10:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	11	14	15	87	4 20:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	5	14	15	44	5 40:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	76	25	15	175	3 10:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	38	25	15	87	4 20:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	19	25	15	44	5 40:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	126	32	15	175	3 10:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	63	32	15	87	4 20:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	31	32	15	44	5 40:1	R 0,37 kW		G 1/2" 12x18	■	R 1/2"	■	A
10	195	40	15	175	3 10:1	R 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	97	40	15	87	4 20:1	R 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	48	40	15	44	5 40:1	R 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	300	50	15	175	3 10:1	E 0,55 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	150	50	15	87	4 20:1	R 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
10	75	50	15	44	5 40:1	R 0,37 kW		G 3/4" 18 mm (i.d.)	■	R 3/4"	■	B
7	469	63	15	175	3 10:1	E 0,55 kW		-	-	R 1"	■	-
7	234	63	15	87	4 20:1	R 0,37 kW		-	-	R 1"	■	-
7	117	63	15	44	5 40:1	R 0,37 kW		-	-	R 1"	■	-

PRIUS P PLUNGER 60Hz ATEX 2G/2D

1 | code						pump head | plunger |	II 2G Ex h IIC T3 Gb AISI316L | AISI420		II 2 D Ex h IIIC T120°C Db AISI316L | AISI420	
PP00										
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | S	7 | motor	4 | S
10	23	14	15	175	3 10:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	11	14	15	87	4 20:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	5	14	15	44	5 40:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	76	25	15	175	3 10:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	38	25	15	87	4 20:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	19	25	15	44	5 40:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	126	32	15	175	3 10:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	63	32	15	87	4 20:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	31	32	15	44	5 40:1	R 1/2"	3 0,37 kW	■	3 0,43 kW	■
10	195	40	15	175	3 10:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
10	97	40	15	87	4 20:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
10	48	40	15	44	5 40:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
10	300	50	15	175	3 10:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
10	150	50	15	87	4 20:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
10	75	50	15	44	5 40:1	R 3/4"	V 0,37 kW	■	3 0,43 kW	■
7	469	63	15	175	3 10:1	R 1"	3 0,37 kW	■	3 0,43 kW	■
7	234	63	15	87	4 20:1	R 1"	V 0,37 kW	■	3 0,43 kW	■
7	117	63	15	44	5 40:1	R 1"	V 0,37 kW	■	3 0,43 kW	■

PRIUS P PLUNGER 60Hz ATEX 3G/3D

1 | code						pump head | plunger |	II 3G Ex h IIC T3 Gc PP | CERAMIC		II 3 D Ex h IIIC T120°C Dc PP | CERAMIC		
PP00											
2 | bar	3 | l/h	plunger	stroke mm	spm	6 | reduction	hoses connection	7 | motor	4 | D	7 | motor	4 | D	Kit instal-lation
10	23	14	15	175	3 10:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	11	14	15	87	4 20:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	5	14	15	44	5 40:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	76	25	15	175	3 10:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	38	25	15	87	4 20:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	19	25	15	44	5 40:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	126	32	15	175	3 10:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	63	32	15	87	4 20:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	31	32	15	44	5 40:1	G 1/2" 12x18	3 0,25 kW	■	3 0,29 kW	■	A
10	195	40	15	175	3 10:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	3 0,43 kW	■	B
10	97	40	15	87	4 20:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	3 0,43 kW	■	B
10	48	40	15	44	5 40:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	3 0,43 kW	■	B
10	300	50	15	175	3 10:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	3 0,43 kW	■	B
10	150	50	15	87	4 20:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	3 0,43 kW	■	B
10	75	50	15	44	5 40:1	G 3/4" 18 mm (i.d.)	3 0,37 kW	■	1 0,29 kW	■	B

PRIUS accessories and spare parts

INSTALLATION KIT A

1/2" foot filter with 13 mm (int. diam.) hose fitting
1/2" injection valve (or 3/4" if "TM" pump head)
Delivery hose (13X16 PVDF or 12x18 PVC)
Suction hose (13X16 PVDF or 12x18 PVC)

INSTALLATION KIT B

code	model	materials
04905720	**04905720**	Delivery hose 18x22 PVDF (2 m)
04907300	**04907300**	Suction hose 18x25 PE (2 m)
11068421	**KIT B - G 1 1/2" X 18**	INSTALLATION KIT B - G1 1/2" x 18 (PP+EP). 1 1/2"foot filter - with 18 mm (int. diam.) hose fitting (G1 1/2" - 18 mm) - 1 1/2" injection valve.
11091181	**KIT B - G 1 1/2" X 18**	INSTALLATION KIT B - G1 1/2" x 18 (PVDF+EP). 1 1/2"foot filter - with 18 mm (int. diam.) hose fitting (G1 1/2" - 18 mm) - 1 1/2" injection valve.
11090701	**KIT B - G 1 1/2" X 18**	INSTALLATION KIT B - G1 1/2" x 18 (PP+FP). 1 1/2"foot filter - with 18 mm (int. diam.) hose fitting (G1 1/2" - 18 mm) - 1 1/2" injection valve.
11091061	**KIT B - G 1 1/2" X 18**	INSTALLATION KIT B - G1 1/2" x 18 (PVDF+FP). 1 1/2"foot filter - with 18 mm (int. diam.) hose fitting (G1 1/2" - 18 mm) - 1 1/2" injection valve.

INSTALLATION KIT C

code	model	materials
04906180	**04906180**	Delivery hose 32x42 PVC (meshed) (2 m)
04906310	**04906310**	Suction hose 32x40 PVC (spiral hose) (2 m)
11090731	**KIT C - G 1 1/2" X 32**	INSTALLATION KIT C - G1 1/2" x 32 (PP+EP). 1 1/2"foot filter - with 32 mm (int. diam.) hose fitting (G1 1/2" - 32 mm) - 1 1/2" injection valve.
11091201	**KIT C - G 1 1/2" X 32**	INSTALLATION KIT C - G1 1/2" x 32 (PVDF+EP). 1 1/2"foot filter - with 32 mm (int. diam.) hose fitting (G1 1/2" - 32 mm) - 1 1/2" injection valve.
11068411	**KIT C - G 1 1/2" X 32**	INSTALLATION KIT C - G1 1/2" x 32 (PP+FP). 1 1/2"foot filter - with 32 mm (int. diam.) hose fitting (G1 1/2" - 32 mm) - 1 1/2" injection valve.
11091191	**KIT C - G 1 1/2" X 32**	INSTALLATION KIT C - G1 1/2" x 32 (PVDF+FP). 1 1/2"foot filter - with 32 mm (int. diam.) hose fitting (G1 1/2" - 32 mm) - 1 1/2" injection valve.

SECURITY VALVE

code	model	materials
02300930	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10bar PVC/PTFE+EP d16 f
02300990	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10b PVC/PTFE+EP 3/4" 9x12
02301010	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10b PVC/PTFE+FP 3/4" d.18
02301021	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10b PVC/PTFE+EP 3/4" d.18
02301040	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10b PVC/PTFE+FP 1" d.32
02301050	**SECURITY / PRESSURE VALVE**	Security / Pressure Valve 0,5/10b PVC/PTFE+EP 1" d.32

FLOW SENSOR

model	materials
SEFLMS/PRIUS 160/1000L	Flow sensor for PRIUS MF (PMMA+PVDF+FP/EP)
SEFLMS/PRIUS 160/1000L	Flow sensor for PRIUS MF (PMMA+PP+FP/EP)

PULSATION DAMPENERS

code	model	materials
10880311	**SOIM2,5/V - 3/4"X18**	Pulsation dampener - 3/4"x18
10886791	**SOIM2,5/D - 3/4"X18**	Pulsation dampener - 3/4"x18
10880321	**SOIM5/V - 1 1/4"X32**	Pulsation dampener - 1 1/4"x32
10880911	**SOIM5/D - 1 1/4"X32**	Pulsation dampener - 1 1/4"x32
10862591	**SOIM1/SS/V - R1/2"**	Pulsation dampener R1/2"
10870551	**SOIM1/SS/D - R1/2"**	Pulsation dampener R1/2"

INJECTION LANCE

code	model	materials
07348741	**LINIR-V 3/4" 13x16**	Linir-v 3/4" injection lance with PVC ball valve
07348321	**LINI-V 3/4" 13x16**	Lini-v 3/4" injection lance

SUCTION LANCE - D13 FITTING[1]

model	materials
LASP M CM 75	ORING EPDM or FKMB
LASP M CM 108	ORING EPDM or FKMB
LASP M CM 122	ORING EPDM or FKMB

SUCTION LANCE - D18 FITTING[1]

model	materials
LASP M CM 75	ORING EPDM or FKMB
LASP M CM 108	ORING EPDM or FKMB
LASP M CM 122	ORING EPDM or FKMB

SUCTION LANCE - D32 FITTING[1]

model	materials
LASP M CM 75	ORING EPDM or FKMB
LASP M CM 108	ORING EPDM or FKMB
LASP M CM 122	ORING EPDM or FKMB

2 OUTPUTS SUCTION LANCES

description
Extra 2 outputs laspm d.13
Extra 2 outputs laspm d.18

LEVEL PROBE

code	model	materials
07600201	**07600201**	LEVEL PROBE (PP+FP) WITH BRACKET
07600211	**07600211**	LEVEL PROBE (PP+EP) WITH BRACKET

[1] Level probe sold separately.

PRIUS PUMPS SPARE PARTS

FOOT FILTERS

074.0727.1	1-1/2" D.18 (PP+FP+GL)	074.0783.1	1-1/2" D.18 (PVDF+FP+GL)
074.0728.1	1-1/2" D.18 (PP+EP+GL)	074.0789.1	1-1/2" D.18 (PVDF+EP+GL)
074.0729.1	1-1/2" D.32 (PP+FP+GL)	074.0778.1	1-1/2" D.32 (PVDF+FP+GL)
074.0730.1	1-1/2" D.32 (PP+EP+GL)	074.0790.1	1-1/2" D.32 (PVDF+EP+GL)
074.0766.1	1-1/2" D.13 (PP+FP+GL)		
074.0765.1	1-1/2" D.13 (PP+EP+GL)		

INJECTION VALVES

073.1597.1	1-1/2" D.18 PP+FP+GL	073.4742.1	1-1/2" D.18 PVDF+FP+GL
073.1598.1	1-1/2" D.18 PP+EP+GL	073.4778.1	1-1/2" D.18 PVDF+EP+GL
073.1599.1	1-1/2" D.32 PP+FP+GL	073.4779.1	1-1/2" D.32 PVDF+FP+GL
073.1600.1	1-1/2" D.32 PP+EP+GL	073.4780.1	1-1/2" D.32 PVDF+EP+GL
073.4836.1	1-1/2" D.13 PP+EP+GL		

CABLES

063.6114.1	WATER METER INPUT CABLE (40x0,14/5POLES, 20 CM)

VALVES

025.1583.1	SUCTION KIT PUMP HEAD MOD. NM 12X18/13X16 PVDF+FP+CE
025.1584.1	SUCTION KIT PUMP HEAD MOD. NM 12X18/13X16 PVDF+EP+CE
025.1585.1	SUCTION KIT PUMP HEAD MOD. NM 8X12 PVDF+FP+CE
025.1586.1	SUCTION KIT PUMP HEAD MOD. NM 8X12 PVDF+EP+CE
025.2108.1	SUCTION KIT PUMP HEAD MOD. NM 12X18/13X16 PVDF+FP+SS
025.2575.1	SUCTION KIT PUMP HEAD MOD. NM 12X18/13X16 PVDF+EP+SS
025.1587.1	SUCTION KIT PUMP HEAD MOD. TM 3/4"X13 PVDF+FP+CE
025.1588.1	SUCTION KIT PUMP HEAD MOD. TM 3/4"X13 PVDF+EP+CE
025.1589.1	SUCTION KIT PUMP HEAD MOD. TM 3/4"X18 PVDF+FP+CE
025.1590.1	SUCTION KIT PUMP HEAD MOD. TM 3/4"X18 PVDF+EP+CE
025.2579.1	SUCTION KIT PUMP HEAD MOD. TM 18X22 PVDF+EP+SS
025.1592.1	DELIVERY KIT PUMP HEAD MOD. NM 1/2"X13 PVDF+FP+CE
025.1593.1	DELIVERY KIT PUMP HEAD MOD. NM 1/2"X13 PVDF+EP+CE
025.1594.1	DELIVERY KIT PUMP HEAD MOD. NM 1/2" 8X10 PVDF+FP+CE
025.1595.1	DELIVERY KIT PUMP HEAD MOD. NM 1/2" 8X10 PVDF+EP+CE
025.1596.1	DELIVERY KIT PUMP HEAD MOD. TM 3/4"X13 PVDF+FP+CE
025.1597.1	DELIVERY KIT PUMP HEAD MOD. TM 3/4"X13 PVDF+EP+CE
025.1598.1	DELIVERY KIT PUMP HEAD MOD. TM 3/4"X18 PVDF+FP+CE
025.1599.1	DELIVERY KIT PUMP HEAD MOD. TM 3/4"X18 PVDF+EP+CE
025.2578.1	DELIVERY KIT PUMP HEAD MOD. TM 18X22 PVDF+EP+SS
025.1600.1	SELF VENTING KIT PUMP HEAD MOD. NM/TM (PVDF+FP+CE)
025.1601.1	SELF VENTING KIT PUMP HEAD MOD. NM/TM (PVDF+EP+CE)

PUMP HEADS

020.1802.1	NM "PRIUSD" M.8X10-A.8X12 (PVDF+FP+CE)
020.1803.1	NM "PRIUSD" M.8X10-A.8X12 (PVDF+EP+CE)
020.1804.1	TM "PRIUSD" A/M 3/4"X13 (PVDF+FP+CE)
020.1805.1	TM "PRIUSD" A/M 3/4"X13 (PVDF+EP+CE)
020.1806.1	TM "PRIUSD" A/M 3/4"X18 (PVDF+FP+CE)
020.1807.1	TM "PRIUSD" A/M 3/4"X18 (PVDF+EP+CE)
020.1810.1	NM "PRIUSD" A/M 1/2"X13 (PVDF+FP+CE)
020.1811.1	NM "PRIUSD" A/M 1/2"X13 (PVDF+EP+CE)
020.1830.1	TM "PRIUSD" A/M 3/4"X18 (PP+FP+CE)
020.1829.1	TM "PRIUSD" A/M 3/4"X18 (PP+EP+CE)
020.1831.1	NM "PRIUSD" A/M 1/2"X13 (PP+EP+CE)
020.1840.1	NM "PRIUSD" A/M 1/2"X13 (PP+FP+CE)
020.1858.1	NM "PRIUSD" A/M R1/2" (SS+FP+SS)
020.1861.1	NM "PRIUSD" A/M R1/2" (SS+EP+SS)
020.1859.1	TM "PRIUSD" A/M R3/4" (SS+FP+SS)
020.1862.1	TM "PRIUSD" A/M R3/4" (SS+EP+SS)

020.2468.1	UMS “PRIUSD” A/M 1-1/2” X32 (PP+FP+GL) *
020.2490.1	UMS “PRIUSD” A/M 1-1/2” X32 (PP+EP+PTFE) *
020.2491.1	UMS “PRIUSD” A/M 1-1/2” X32 (PVDF+FP+GL) *
020.2494.1	UMS “PRIUSD” A/M 1-1/2” X32 (PP+EP+GL) *
020.2524.1	UMS “PRIUSD” A/M R1-1/2” 750/1000LT (SS+FP+SS) *
020.1860.1	UM “PRIUSD” A/M R1” (SS+FP+SS) *
020.1863 .1	UM “PRIUSD” A/M R1” (SS+EP+SS) *
020.2013.1	UM “PRIUSD” A/M 1-1/2” X32 (PP+FP+GL) *
020.2112.1	UM “PRIUSD” A/M 1-1/2” X32 (PP+EP+GL) *
020.2136.1	UM “PRIUSD” A/M 1-1/2” X32 (PVDF+FP+GL) *
020.2137.1	PRIUSP D.25 PP+FP+CE 1/2" 12X18
020.2127.1	PRIUSP D.40 PP+FP+CE D.18
020.2125.1	PRIUSP D.50 PP+FP+CE D.18
020.2126.1	PRIUSP D.40 SS+FP+SS R3/4”
020.2124.1	PRIUSP D.50 SS+FP+SS R3/4”
020.2047.1	PRIUSP D.63 SS+FP+SS R1”

* UMS pump heads replaced UM pump heads in the PRIUS D from April-May 2020. If you purchased a PRIUS pump during this period, to order a spare pump head it will be necessary to specify the serial number of the pump to ensure compatibility with it.

ORING

026.0013.0	OR 2-134 FKM B 47,29X2,62 pump head M
026.0002.0	OR 2-134 EPDM 47,29X2,62 pump head M
026.0220.0	OR 2-144 FKM B 63,17X2,62 pump head N
026.0223.0	OR 2-144 EPDM 63,17X2,62 pump head N
026.0117.0	OR 2-237 FKM B 85,32X3,53 pump head T
026.0119.0	OR 2-237 EPDM 85,32X3,53 pump head T
026.0419.0	OR 2-252 VITON V747-75 132,94X3,53 pump head UM (PVDF/PP) / UMS (PP/SS)
026.0436.0	OR 2-252 EPDM E540-80 132,94X3,53 pump head UM (PVDF/PP) / UMS (PP/SS)
026.0543.0	OR 2-251 VITON 129,77X3,53 VB185-70 pump head UMS (PVDF)
026.0544.0	OR 2-251 E89380 129,77X3,53 pump head UMS (PVDF)

DIAPHRAGMS

018.0005.0	DIAPHRAGM FOR PUMP HEAD MOD. “NM” (PRIUS) / AMS AC / T AC
018.0049.0	DIAPHRAGM FOR PUMP HEAD MOD. “TM” (PRIUS)
018.0061.0	DIAPHRAGM FOR PUMP HEAD MOD. “UM/UMS” (PRIUS)

MOTORS

068.0020.0	3-PHASE 0,18KW 1350G
068.0009.0	3-PHASE 0,37KW 230/400V 1400G
068.0044.0	SINGLE-PHASE WITH HIGH STARTING TORQUE 0,37KW 1400G
068.0048.0	SINGLE-PHASE 0,37KW 1400G 110V/60HZ + PTO
068.0039.0	SINGLE-PHASE WITH HIGH STARTING TORQUE 0,55KW 1400G

HOSES

049.0080.0	12x18 PVC meshed suction- delivery - 2 m
049.0618.0	32,4x42 PVC meshed - 2 m
049.0631.0	32x40 PVC spiral hose - 2 m
049.0730.0	18x25 PE- 2 m
049.0572.0	18x22 PVDF - 2 m
049.0079.0	13x16 PVDF- 2 m

Ask to commercial dpt. for different hose length.

PLUNGERS

012.0175.0	CERAMIC PLUNGER X PRIUS P D.14MM COMPLETE
012.0176.0	CERAMIC PLUNGER X PRIUS P D.25MM COMPLETE
012.0177.0	CERAMIC PLUNGER X PRIUS P D.32MM COMPLETE
012.0178.0	CERAMIC PLUNGER X PRIUS P D.40MM COMPLETE
012.0179.0	CERAMIC PLUNGER X PRIUS P D.50MM COMPLETE

NOTES

POWER SUPPLY 12/24 V
All metering pumps flow rates are referred to 230 VAC (50-60Hz) and 115 VAC (50-60Hz) mains.
For other power supply (24 VDC/VAC and 12 VDC) ask EMEC staff.

STANDARD KIT
Metering pumps are provided with:
- PVDF injection valve,
- PVDF foot/filter valve,
- PVDF level probe (except for CO models)
- 2 m delivery hose (PVDF, except for V, VA and VMS, VMSA series),
- 2 m suction hose (PVC flexible),
- 2 m outgassing hose (PVC 4x6).

Polymers pump series are provided WITHOUT injection valve, foot/filter valve and level probe.
Pumps with Stainless Steel pump head are provided WITHOUT accessory kit.
Self-venting pumps series have PE outgassing hose.

EXTERNAL LEVEL ALARM (N.O. free contact)
MF and DC (except VMS MF) pump series are equipped with external level alarm. Optional for the others.

CHEMICAL COMPATIBILITY
Refer to chemical Compatibility Table.

CERAMIC BALLS
EMEC standard check ball valves for all pumps series are made of ceramic, except for high viscosity liquid pumps (PTFE check ball valves).
PTFE or AISI 316L check ball valves are available on demand.

QUIET PUMP
V and K series (on some capacities) quiet pump availables.

WORKING TEMPERATURE
-10°C - +45°C (14°F - 113°F)

INPUT FOR WATER METER WITH HALL EFFECT
Available on MF series pumps input for water meter with Hall effect (on demand).

ABBREVIATIONS

BS	BRASS
C276	Hastelloy C276
EP	Ethylene Prophylene
FP	FKM B (Fluoroelastomer B)
POM	Acetal Copolymer
GL	Borosilicate
PP	Polypropyilene
PTFE	Polytetrafluoroethylene
PVDF	Polyvinyldene Fluoride
SI	Silicone
SS	Stainless Steel
WAX	Nytrile
PMMA	Polymethyl Methacrylate

GLOSSARY OF THE TERMS USED

DOSING SYSTEM	- Constant: regular pump feeding as configured by the user - Proportional: proportional feeding based on an input signal
LEVEL CONTROL	Tank low level stops the pump.
FLOW SENSOR INPUT	Flow sensor input SEFL (sensore di flusso) for dosing system control.
STAND-BY INPUT	pump enabling/disabling control
ALARM OUTPUT	Contact relay switched by pump's anomalies
STROKE SPEED (FREQ.) ADJUSTMENT	Injection frequency control
STROKE LENGTH ADJUSTMENT	Injection volume control
DIGITAL SIGNAL	Digital input (voltage free contact) for instrument or water meter connection
CURRENT SIGNAL (0/4MA=0 PULSES; 20MA=MAX PULSES)	mA analogic input for instrument or water meter connection
LEVEL ALARM OUTPUT	Contact relay switched by tank low level
CC/S	Max cc per stroke
CP	Standard pump head model (PVDF)
PMMA	Extra price for Polymethyl Methacrylate pump head (PMMA)
INOX	Extra price for Stainless Steel pump heads, without accessories and hoses (see "SS ACCESSORIES" table)
HOSE (suction/outgassing)	Extra price for PVDF suction and outgassing hoses
HOSE	Extra price for PVDF suction, delivery and outgassing hoses. EMEC recommends using PVDF hoses when dosing concentrated sodium hypochlorite.

HOSES WORKING PRESSURE

Hose	Working pressure (bar)				Breaking pressure (bar)			
	20°C	30°C	40°C	50°C	20°C	30°C	40°C	50°C
4x6 mm PE 230	12	10.5	8.5	6.2	36	31.5	25.5	18.5
4x8 mm PE 230	19	15.7	12	7.5	57	47	36	22.5
6x8 mm PE 230	8.6	6.8	4.8	2.3	26	20.5	14.5	7
8x12 mm PE 230	12	10.5	8.5	6.2	36	31.5	25.5	18.5

Hose	Working pressure (bar)						
	20°C	30°C	40°C	50°C	60°C	80°C	90°C
4x6 mm PVDF (Flex 2800)	40	34	30	27	24.8	20	10
4x8 mm PVDF (Flex 2800)	29	25.5	22	20	18	14.5	7.3
6x8 mm PVDF (Flex 2800)	18	15.5	13.5	12.5	11.2	9	4.5
1/4 PE 230	17.6						
3/8 PE 230	10.6						
1/2 PE 230	10.6						

Series\AMS
Solenoid-driven dosing pumps

Solenoid-driven dosing pumps with horizontal mounting, reliable and versatile. AMS pumps are designed to be suitable to a wide range of applications and sectors.
The AMS series includes an MF version with multi-function software, LPV versions for viscous liquids and P versions for very viscous liquids, and an AC compressed air version. Also available with a self-venting system.

PERFORMANCE

60 l/h

25 bar

POWER SUPPLY

230 VAC

115 VAC

COMPRESSED AIR

VENTING

MANUAL

SELF

FEATURES

- Foot mounted
- IP65 protection
- Microprocessor technology
- Standard liquid ends in PVDF
- Available with head pump in: stainless steel, polypropylene, PMMA and polymers
- Double ball check valve (where available)
- Manual stroke length adjustment

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PVDF delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

PUMP HEADS


PVDF


PP


AISI 316L


PMMA


LPV


P

Series \ AMS
Basic models

technical data
manuals
datasheets
exploded-views

AMS MF

Constant/proportional dosing system with multifunction

FEATURES

- Digital display
- Microprocessor technology
- **Constant**
- **mA signal input**
- **Volt signal input**
- Batch dosing
- Work-pause mode
- Water meter
- External contact

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - Divide
  - Multiply
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q

INPUT	OUTPUT
Level control Flow sensor Water meter or external signal Stand-by	Alarm output

AMS PH

Proportional dosing system with pH regulation

FEATURES

- Digital display
- Microprocessor technology
- pH meter
- Acid or base dosing (verify the hydraulic components)

FUNCTIONS

- pH reading/regulation (0-14pH). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

AMS RH

Proportional dosing system with ORP regulation

FEATURES

- Digital display
- Microprocessor technology
- ORP meter
- Oxidant or antioxidant dosing (verify the hydraulic components)

FUNCTIONS

- ORP reading/regulation (0-2000mV). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

AMS PLUS

Constant/proportional dosing system with level control

FEATURES

- Constant
- mA signal input
- Water meter

FUNCTIONS

- Constant/constant with divider (1/10)
- Input pulses multiplier/divider
- mA signal current

INPUT	OUTPUT
Level control Water meter or current signal	Level alarm output

AMS CL PLUS

Constant dosing system with level control

FEATURES

- Constant

FUNCTIONS

- Constant/constant with divider (1/10)

INPUT

Level control

AMS CO PLUS

Constant dosing system without level control

FEATURES

- Constant

FUNCTIONS

- Constant/constant with divider (1/10)

AMS AC CL

Compressed air constant dosing system with level control

FEATURES

› Constant
› 230 VAC and compressed air power supply

INPUT

Level control

AMS AC CO

Compressed air constant dosing system without level control

FEATURES

› Constant
› 230 VAC and compressed air power supply

A - Self venting

› Self venting pump head.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.
› **Optional accessories**: PP pump head and accessories (with PE hose).

LPV - Low viscous liquids

› Pumps for liquids with a maximum viscosity of 8000 cPs.
› PMMA pump head (with SS balls) and manual venting.
› **Accessories included**: 3/4" injection valve, 16x22 PVC suction hose and 8x12 PE injection hose.
› **Optional accessories**: stainless steel foot filter with valve.

P - Viscous liquids

› Pumps for liquids with a maximum viscosity of 50000 cPs.
› PMMA pump head (with PTFE balls) and manual venting.
› **Accessories included**: 16x22 (PVC) and 2027 (PVC) hose, priming kit (syringe and 30cm hose), without injection valve, foot filter and level probe.

AC - Compressed air

› 230 VAC and compressed air power supply.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.

- input and output shown in red are to be considered as optional.

AMS MF

1 l code	pump head l		PVDF			PP			PMMA		SS		
AMF	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	
25	5	■	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■	■

AMS PH

1 l code	pump head l		PVDF			PP			PMMA		SS		
APH	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	
25	5	■	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■	■

AMS RH

1 l code	pump head l		PVDF			PP			PMMA		SS		
ARH	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	
25	5	■	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■	■

AMS PLUS

1 l code	pump head l		PVDF			PP			PMMA		SS		
AMU	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP	level alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£	
25	5	■	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■	■

AMSCL PLUS

1 l code	pump head l		PVDF			PP			PMMA		SS	
ACP	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£
25	5	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■

AMS CO PLUS

1 l code	pump head l		PVDF			PP			PMMA		SS	
AUO	oring l	FP	EP	W	FP	EP	W	FP	EP	FP	EP
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	A	R	Z	£
25	5	■	■	■	■	■	■	■	■	■	■
15	10	■	■	■	■	■	■	■	■	■	■
10	15	■	■	■	■	■	■	■	■	■	■
7	20	■	■	■	■	■	■	■	■	■	■
3	40	■	■	■	■	■	■	■	■	■	■
2	60	■	■	■	■	■	■	■	■	■	■

SELF VENTING

AMSA MF

1 l code	pump head l	PVDF			PP			
AAF	oring l	FP	EP	W	FP	EP	W	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	
25	3,2	■	■	■	■	■	■	■
15	6	■	■	■	■	■	■	■
10	10	■	■	■	■	■	■	■
7	13	■	■	■	■	■	■	■
3	30	■	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■	■

AMSA PH

1 l code	pump head l	PVDF			PP			
AAA	oring l	FP	EP	W	FP	EP	W	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	
25	3,2	■	■	■	■	■	■	■
15	6	■	■	■	■	■	■	■
10	10	■	■	■	■	■	■	■
7	13	■	■	■	■	■	■	■
3	30	■	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■	■

AMSA RH

1 l code	pump head l	PVDF			PP			
AAH	oring l	FP	EP	W	FP	EP	W	alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	
25	3,2	■	■	■	■	■	■	■
15	6	■	■	■	■	■	■	■
10	10	■	■	■	■	■	■	■
7	13	■	■	■	■	■	■	■
3	30	■	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■	■

AMSA PLUS

1 l code	pump head l	PVDF			PP			
AAU	oring l	FP	EP	W	FP	EP	W	level alarm output
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W	
25	3,2	■	■	■	■	■	■	■
15	6	■	■	■	■	■	■	■
10	10	■	■	■	■	■	■	■
7	13	■	■	■	■	■	■	■
3	30	■	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■	■

AMSA CL PLUS

1 l code	pump head l	PVDF			PP		
AAL	oring l	FP	EP	W	FP	EP	W
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W
25	3,2	■	■	■	■	■	■
15	6	■	■	■	■	■	■
10	10	■	■	■	■	■	■
7	13	■	■	■	■	■	■
3	30	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■

AMSA CO PLUS

1 l code	pump head l	PVDF			PP		
AAC	oring l	FP	EP	W	FP	EP	W
2 l bar 3 l l/h	4 l	K	P	Y	V	D	W
25	3,2	■	■	■	■	■	■
15	6	■	■	■	■	■	■
10	10	■	■	■	■	■	■
7	13	■	■	■	■	■	■
3	30	■	■	■	■	■	■
2	38,5	■	■	■	■	■	■

LOW VISCOUS LIQUIDS

The flow rates shown refer to a measurement with water and vary according to viscosity.

AMS MF LPV

1 | code		pump head | oring |	PMMA		
AMF			FP		alarm output
2 | bar	3 | l/h	4 |	$		
25	5		■		■
15	10		■		■
10	15		■		■
7	20		■		■
3	40		■		■
2	60		■		■

AMSPH LPV

1 | code		pump head | oring |	PMMA		
APH			FP		alarm output
2 | bar	3 | l/h	4 |	$		
25	5		■		■
15	10		■		■
10	15		■		■
7	20		■		■
3	40		■		■
2	60		■		■

AMS RH LPV

1 | code		pump head | oring |	PMMA		
ARH			FP		alarm output
2 | bar	3 | l/h	4 |	$		
25	5		■		■
15	10		■		■
10	15		■		■
7	20		■		■
3	40		■		■
2	60		■		■

AMS PLUS LPV

1 | code		pump head | oring |	PMMA		
AMU			FP		level alarm output
2 | bar	3 | l/h	4 |	$		
25	5		■		■
15	10		■		■
10	15		■		■
7	20		■		■
3	40		■		■
2	60		■		■

AMS CL PLUS LPV

1 | code		pump head | oring |	PMMA
ACP			FP
2 | bar	3 | l/h	4 |	$
25	5		■
15	10		■
10	15		■
7	20		■
3	40		■
2	60		■

AMS CO PLUS LPV

1 | code		pump head | oring |	PMMA
AUO			FP
2 | bar	3 | l/h	4 |	$
25	5		■
15	10		■
10	15		■
7	20		■
3	40		■
2	60		■

VISCOUS LIQUIDS

The flow rates shown refer to a measurement with water and vary according to viscosity.

AMSP MF

1 | code		pump head | oring |	PMMA		
AMF			FP	EP	alarm output
2 | bar	3 | l/h	4 |	B	U	
8	2		■	■	■
6	4		■	■	■
4	10		■	■	■
2	25		■	■	■
1	40		■	■	■

AMSP PH

1 | code		pump head | oring |	PMMA		
APH			FP	EP	alarm output
2 | bar	3 | l/h	4 |	B	U	
8	2		■	■	■
6	4		■	■	■
4	10		■	■	■
2	25		■	■	■
1	40		■	■	■

AMSP RH

1 | code		pump head | oring |	PMMA		
ARH			FP	EP	alarm output
2 | bar	3 | l/h	4 |	B	U	
8	2		■	■	■
6	4		■	■	■
4	10		■	■	■
2	25		■	■	■
1	40		■	■	■

AMSP PLUS

1 | code		pump head | oring |	PMMA		
AMU			FP	EP	level alarm output
2 | bar	3 | l/h	4 |	B	U	
8	2		■	■	■
6	4		■	■	■
4	10		■	■	■
2	25		■	■	■
1	40		■	■	■

AMSP CO PLUS

1 | code		pump head | oring |	PMMA	
AUO			FP	EP
2 | bar	3 | l/h	4 |	B	U
8	2		■	■
6	4		■	■
4	10		■	■
2	25		■	■
1	40		■	■

COMPRESSED AIR

AC metering pumps series work only with compressed air without lubrificant and/or condensed water.
Air supply pressure range must be from 6 bar to 10 bar.

AMS AC MF

1 | code		pump head |	PVDF			PP			
AMC		oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	
10	50		■	■	■	■	■	■	■
5	140		■	■	■	■	■	■	■
0	220		■	■	■	■	■	■	■

AMS AC CL

1 | code		pump head |	PVDF			PP		
ALA		oring |	FP	EP	W	FP	EP	W
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W
10	50		■	■	■	■	■	■
5	140		■	■	■	■	■	■
0	220		■	■	■	■	■	■

AMS AC CO

1 | code		pump head |	PVDF			PP		
AOA		oring |	FP	EP	W	FP	EP	W
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W
10	50		■	■	■	■	■	■
5	140		■	■	■	■	■	■
0	220		■	■	■	■	■	■

Series \ K
Solenoid-driven dosing pumps

Solenoid-driven dosing pumps with horizontal mounting, inexpensive and extremely reliable. K pumps are designed for universal use in multiple application sectors.

The K series includes an MF version with multi-function software and an LPV version for viscous liquids. Also available with self venting.

PERFORMANCE

18 l/h

20 bar

POWER SUPPLY

230 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Foot mounted
- IP65 protection
- Microprocessor technology
- Standard liquid ends in PVDF
- Available with head pump in: stainless steel, polypropylene and PMMA
- Double ball check valve (where available)
- Manual stroke length adjustment

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PVDF delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

PUMP HEADS

PVDF PP AISI316 PMMA LPV

Series \ KMS
Basic models

technical data
manuals
datasheets
exploded-views

KMS DC

Constant dosing with alarm output

FEATURES
- Digital display
- Microprocessor technology
- Constant dosing

FUNCTIONS
- Constant (lph – sph – spm)

INPUT	OUTPUT
Level control Stand-by	Alarm output

KMS MF

Constant/proportional dosing system with multifunction

FEATURES
- Digital display
- Microprocessor technology
- Constant dosing
- mA signal input
- Volt signal input
- Batch dosing
- Work-pause mode
- Water meter
- External contact

FUNCTIONS
- MULTIFUNCTION
  - Constant
  - Divide
  - Multiply
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q

INPUT	OUTPUT
Level control Flow sensor Water meter Stand-by	Alarm output

KMS CL

Proportional dosing with free chlorine regulation

FEATURES
- Digital display
- Microprocessor technology
- Chlorine reading and dosing

FUNCTIONS
- Free chlorine Cl_2 (0-20,00 mg/l or 0-2,00 mg/l) reading/regulation
- Chlorine probe ECL6/7/12 (supplied without probe)

INPUT

Level control

KMS PH

Proportional dosing system with pH regulation

FEATURES
- Digital display
- Microprocessor technology
- pH meter
- Acid or base dosing (verify the hydraulic components)

FUNCTIONS
- pH reading/regulation (0-14pH). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

KMS RH

Proportional dosing system with ORP regulation

FEATURES
- Digital display
- Microprocessor technology
- ORP meter
- Oxidant or antioxidant dosing (verify the hydraulic components)

FUNCTIONS
- ORP reading/regulation (0-2000mV). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

K PLUS

Constant/proportional dosing system with level control

FEATURES

› Constant dosing
› mA signal input
› Water meter

FUNCTIONS

› Constant/constant with divider (1/10)
› Input pulses multiplier/divider
› mA signal current

INPUT

Level control
Digital signal
Current signal

OUTPUT

Level alarm output

K CL PLUS

Constant dosing system with level control

FEATURES

› Constant dosing

FUNCTIONS

› Constant/constant with divider (1/10)

INPUT

Level control

K CO PLUS

Constant dosing system without level control

FEATURES

› Constant dosing

FUNCTIONS

› Constant/constant with divider (1/10)

A - Self venting

› Self venting pump head.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.
› **Optional accessories**: PP pump head and accessories (with PE hose).

LPV - Low viscous liquids

› Pumps for liquids with a maximum viscosity of 8000 cPs.
› PMMA pump head (with SS balls) and manual venting.
› **Accessories included**: 3/4" injection valve, 16x22 PVC suction hose and 8x12 PE injection hose.
› **Optional accessories**: stainless steel foot filter with valve.

- input and output shown in red are to be considered as optional.

KMS DC

1 | code		pump head |	PVDF			PP			PMMA		SS		
KDC		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■	■

KMS MF

1 | code		pump head |	PVDF			PP			PMMA		SS		
KMF		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■	■

KMS CL

1 | code		pump head |	PVDF			PP			PMMA		SS		
KML		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■	■

KMS PH

1 | code		pump head |	PVDF			PP			PMMA		SS		
KPH		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■	■

KMS RH

1 | code		pump head |	PVDF			PP			PMMA		SS		
KRH		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	
18	2		■	■	■	■	■	■	■	■	■	■	
15	4		■	■	■	■	■	■	■	■	■	■	
10	5		■	■	■	■	■	■	■	■	■	■	
8	8		■	■	■	■	■	■	■	■	■	■	
5	1		■	■	■	■	■	■	■	■	■	■	
5	10		■	■	■	■	■	■	■	■	■	■	
2	18		■	■	■	■	■	■	■	■	■	■	

K PLUS

1 | code		pump head |	PVDF			PP			PMMA		SS		
KMU		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP	level alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£	
20	1		■	■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■	■

K CO PLUS

1 | code		pump head |	PVDF			PP			PMMA		SS	
KPO		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£
20	1		■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■

K CL PLUS

1 | code		pump head |	PVDF			PP			PMMA		SS	
KPL		oring |	FP	EP	W	FP	EP	W	FP	EP	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	Z	£
20	1		■	■	■	■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■	■	■	■
8	8		■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■	■	■	■
2	18		■	■	■	■	■	■	■	■	■	■

SELF VENTING

KMSA DC

1 | code		pump head |	PVDF			PP			PMMA		
KAD		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
18	1		■	■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■	■

KMSA MF

1 | code		pump head |	PVDF			PP			PMMA		
KAF		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
18	1		■	■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■	■

KMSA CL

1 | code		pump head |	PVDF			PP			PMMA	
KLA		oring |	FP	EP	W	FP	EP	W	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R
18	1		■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■

KMSA PH

1 | code		pump head |	PVDF			PP			PMMA		
KMH		oring |	FP	EP	W	FP	EP	W	FP	EP	level alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
18	1		■	■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■	■

KMSA RH

1 | code		pump head |	PVDF			PP			PMMA		
KAR		oring |	FP	EP	W	FP	EP	W	FP	EP	level alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
18	1		■	■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■	■

KA PLUS

1 | code		pump head |	PVDF			PP			PMMA		
KAU		oring |	FP	EP	W	FP	EP	W	FP	EP	level alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
18	1		■	■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■	■

KA CO PLUS

1 | code		pump head |	PVDF			PP			PMMA	
KPA		oring |	FP	EP	W	FP	EP	W	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R
18	1		■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■

KA CL PLUS

1 | code		pump head |	PVDF			PP			PMMA	
KUA		oring |	FP	EP	W	FP	EP	W	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R
18	1		■	■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■	■
10	3,5		■	■	■	■	■	■	■	■
8	5,5		■	■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■	■
2	13		■	■	■	■	■	■	■	■

LOW VISCOUS LIQUIDS

The flow rates shown refer to a measurement with water and vary according to viscosity.

KMS DC LPV

1 | code		pump head | oring |	PMMA	
KDC			FP	
2 | bar	3 | l/h	4 |	$	level alarm output
18	2		■	■
15	4		■	■
10	5		■	■
8	8		■	■
5	10		■	■
2	18		■	■

KMS MF LPV

1 | code		pump head | oring |	PMMA	
KMF			FP	
2 | bar	3 | l/h	4 |	$	level alarm output
18	2		■	■
15	4		■	■
10	5		■	■
8	8		■	■
5	10		■	■
2	18		■	■

KMS CL LPV

1 | code		pump head | oring |	PMMA
KML			FP
2 | bar	3 | l/h	4 |	$
18	2		■
15	4		■
10	5		■
8	8		■
5	10		■
2	18		■

KMS PH LPV

1 | code		pump head | oring |	PMMA	
KPH			FP	
2 | bar	3 | l/h	4 |	$	level alarm output
18	2		■	■
15	4		■	■
10	5		■	■
8	8		■	■
5	10		■	■
2	18		■	■

KMS RH LPV

1 | code		pump head | oring |	PMMA	
KRH			FP	
2 | bar	3 | l/h	4 |	$	level alarm output
18	2		■	■
15	4		■	■
10	5		■	■
8	8		■	■
5	10		■	■
2	18		■	■

K CO PLUS LPV

1 | code		pump head | oring |	PMMA
KPO			FP
2 | bar	3 | l/h	4 |	$
18	2		■
15	4		■
10	5		■
8	8		■
5	10		■
2	18		■

K CL PLUS LPV

1 | code		pump head | oring |	PMMA
KPL			FP
2 | bar	3 | l/h	4 |	$
18	2		■
15	4		■
10	5		■
8	8		■
5	10		■
2	18		■

K PLUS LPV

1 | code		pump head | oring |	PMMA	
KMU			FP	
2 | bar	3 | l/h	4 |	$	level alarm output
18	2		■	
15	4		■	
10	5		■	
8	8		■	
5	10		■	
2	18		■	

Series \ T
Solenoid-driven dosing pumps

Solenoid-driven dosing pumps with vertical mounting, powerful and versatile. T pumps are designed to reach a maximum flow rate of up to 100 l/h.
The T series includes an MF version with multi-function software, LPV versions for viscous liquids and P versions for very viscous liquids, and an AC version for compressed air. Also available with a self venting system.

PERFORMANCE

100 l/h

20 bar

POWER SUPPLY

230 VAC

115 VAC

COMPRESSED AIR

VENTING

MANUAL

SELF

FEATURES

- Wall mounted
- IP65 protection
- Microprocessor technology
- Double ball check valve (where available)
- Standard liquid ends in PVDF

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PVDF delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

PUMP HEADS

PVDF PP PMMA P

Series\T
Basic models

technical data
manuals
datasheets
exploded-views

TMS DC

Constant dosing with alarm output

FEATURES
- Digital display
- Microprocessor technology
- Constant dosing

FUNCTIONS
- Constante (lph, sph, spm)

INPUT	OUTPUT
Level control Stand-by	Alarm output

TMS MF

Constant/proportional dosing system with multifunction

FEATURES
- Digital display
- Microprocessor technology
- Constant dosing
- mA signal input
- Volt signal input
- Batch dosing
- Work-pause mode
- Water meter
- External contact

FUNCTIONS
- MULTIFUNCTION
  - Constant
  - Divide
  - Multiply
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q

INPUT	OUTPUT
Level control Flow sensor Water meter Stand-by	Alarm output

TMS PH

Proportional dosing system with pH regulation

FEATURES
- Digital display
- Microprocessor technology
- pH meter
- Acid or base dosing (verify the hydraulic components)

FUNCTIONS
- pH reading/regulation (0-14pH). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

TMS RH

Proportional dosing system with ORP regulation

FEATURES
- Digital display
- Microprocessor technology
- ORP meter
- Oxidant or antioxidant dosing (verify the hydraulic components)

FUNCTIONS
- ORP reading/regulation (0-2000mV). supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

T CL

Constant dosing system with level control

FEATURES
- Constant dosing

FUNCTIONS
- Constant/constant with divider (1/10)

INPUT
Level control

T CO

Constant dosing system without level control

FEATURES
- Constant dosing

FUNCTIONS
- Constant/constant with divider (1/10)

A - Self venting

› Self venting pump head.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.
› **Optional accessories**: PP pump head and accessories (with PE hose).

P - Viscous liquids

› Pumps for liquids with a maximum viscosity of 50000 cPs.
› PMMA pump head (with PTFE balls) and manual venting.
› **Accessories included**: 16x22 (PVC) and 20x27 (PVC) hose, priming kit (syringe and 30cm hose), without injection valve, foot filter and level probe.

AC - Compressed air

› 230 VAC and compressed air power supply.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.

- input and output shown in red are to be considered as optional.

TMS MF

1 | code		pump head |	PVDF			PP			PMMA		
TMF		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
20	5		■	■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■	■

TMS DC

1 | code		pump head |	PVDF			PP			PMMA		
TDC		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
20	5		■	■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■	■

TMS PH

1 | code		pump head |	PVDF			PP			PMMA		
TPH		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
20	5		■	■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■	■

TMS RH

1 | code		pump head |	PVDF			PP			PMMA		
TRH		oring |	FP	EP	W	FP	EP	W	FP	EP	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R	
20	5		■	■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■	■

T CO

1 | code		pump head |	PVDF			PP			PMMA	
TCO		oring |	FP	EP	W	FP	EP	W	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R
20	5		■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■

T CL

1 | code		pump head |	PVDF			PP			PMMA	
TCL		oring |	FP	EP	W	FP	EP	W	FP	EP
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	A	R
20	5		■	■	■	■	■	■	■	■
5	15		■	■	■	■	■	■	■	■
4	20		■	■	■	■	■	■	■	■
3	30		■	■	■	■	■	■	■	■
1	50		■	■	■	■	■	■	■	■
0	100		■	■	■	■	■	■	■	■

SELF VENTING

TMSA DC

1 | code	pump head |	PVDF			PP			
TAD	oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W	
20 3,2		■	■	■	■	■	■	■
5 10		■	■	■	■	■	■	■
4 13		■	■	■	■	■	■	■
3 20		■	■	■	■	■	■	■
1 35		■	■	■	■	■	■	■

TMSA MF

1 | code	pump head |	PVDF			PP			
TFF	oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W	
20 3,2		■	■	■	■	■	■	■
5 10		■	■	■	■	■	■	■
4 13		■	■	■	■	■	■	■
3 20		■	■	■	■	■	■	■
1 35		■	■	■	■	■	■	■

TMSA PH

1 | code	pump head |	PVDF			PP			
TAH	oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W	
20 3,2		■	■	■	■	■	■	■
5 10		■	■	■	■	■	■	■
4 13		■	■	■	■	■	■	■
3 20		■	■	■	■	■	■	■
1 35		■	■	■	■	■	■	■

TMSA RH

1 | code	pump head |	PVDF			PP			
TAR	oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W	
20 3,2		■	■	■	■	■	■	■
5 10		■	■	■	■	■	■	■
4 13		■	■	■	■	■	■	■
3 20		■	■	■	■	■	■	■
1 35		■	■	■	■	■	■	■

TA CO

1 | code	pump head |	PVDF			PP		
TOA	oring |	FP	EP	W	FP	EP	W
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W
20 3,2		■	■	■	■	■	■
5 10		■	■	■	■	■	■
4 13		■	■	■	■	■	■
3 20		■	■	■	■	■	■
1 35		■	■	■	■	■	■

TA CL

1 | code	pump head |	PVDF			PP		
TCA	oring |	FP	EP	W	FP	EP	W
2 | bar 3 | l/h	4 |	K	P	Y	V	D	W
20 3,2		■	■	■	■	■	■
5 10		■	■	■	■	■	■
4 13		■	■	■	■	■	■
3 20		■	■	■	■	■	■
1 35		■	■	■	■	■	■

VISCOUS LIQUIDS

The flow rates shown refer to a measurement with water and vary according to viscosity.

TMSP DC

1 | code		pump head |	POLYMERS	
TDC		oring |	FP	level alarm output
2 | bar	3 | l/h	4 |	B	
6	1		■	■
4	3		■	■
2	8		■	■
1	20		■	■
0	25		■	■

TMSP MF

1 | code		pump head |	POLYMERS	
TMF		oring |	FP	level alarm output
2 | bar	3 | l/h	4 |	B	
6	1		■	■
4	3		■	■
2	8		■	■
1	20		■	■
0	25		■	■

TMSP PH

1 | code		pump head |	POLYMERS	
TPH		oring |	FP	level alarm output
2 | bar	3 | l/h	4 |	B	
6	1		■	■
4	3		■	■
2	8		■	■
1	20		■	■
0	25		■	■

TMSP RH

1 | code		pump head |	POLYMERS	
TRH		oring |	FP	level alarm output
2 | bar	3 | l/h	4 |	B	
6	1		■	■
4	3		■	■
2	8		■	■
1	20		■	■
0	25		■	■

TP CO

1 | code		pump head |	POLYMERS
TCO		oring |	FP
2 | bar	3 | l/h	4 |	B
20	5		■
4	3		■
2	8		■
1	20		■
0	25		■

COMPRESSED AIR

AC metering pumps series work only with compressed air without lubrificant and/or condensed water.
Air supply pressure range must be from 6 bar to 10 bar.

T AC CO

1 | code		pump head |	PVDF			PP		
TAO		oring |	FP	EP	W	FP	EP	W
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W
10	50		■	■	■	■	■	■
5	150		■	■	■	■	■	■
0	230		■	■	■	■	■	■

T AC CL

1 | code		pump head |	PVDF			PP		
TAL		oring |	FP	EP	W	FP	EP	W
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W
10	50		■	■	■	■	■	■
5	150		■	■	■	■	■	■
0	230		■	■	■	■	■	■

T AC MF

1 | code		pump head |	PVDF			PP			
TAF		oring |	FP	EP	W	FP	EP	W	alarm output
2 | bar	3 | l/h	4 |	K	P	Y	V	D	W	
10	50		■	■	■	■	■	■	■
5	150		■	■	■	■	■	■	■
0	230		■	■	■	■	■	■	■

Series \ V
Solenoid-driven dosing pumps

Solenoid-driven dosing pumps with vertical mounting, easy to install, inexpensive and reliable, V pumps are designed to support a wide range of flow rates.

The V series includes a MF version with multifunction software and a PO version for pH and Redox regulation. Also available with self venting.

PERFORMANCE

16 l/h

20 bar

POWER SUPPLY

230 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Wall mounted
- IP65 protection
- Microprocessor technology
- Double ball check valve (where available)
- Standard liquid ends in PVDF

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PE delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

PUMP HEADS

PVDF

PP

Series V
Basic models

technical data
manuals
datasheets
exploded-views

VMS MF

Constant/proportional dosing system with multifunction

FEATURES

- Digital display
- Microprocessor technology
- **Constant**
- **mA signal input**
- **Volt signal input**
- Batch dosing
- Work-pause mode
- Water meter
- External contact

FUNCTIONS

- MULTIFUNCTION
  - Constant
  - Divide
  - Multiply
  - PPM
  - Batch
  - Volt
  - mA
  - %
  - ml/q

INPUT	OUTPUT
Level control Water meter	Alarm output

VMS PO

Proportional dosing system with pH regulation o del Redox

FEATURES

- Digital display
- Microprocessor technology
- pH or ORP meter
- Acid or base dosing or oxidant or antioxidant dosing (verify the hydraulic components)

FUNCTIONS

- pH (0-14pH) or ORP (+/-1000mV) reading/regulation; supplied without probe

INPUT	OUTPUT
Level control Stand-by	Alarm output

V CL

Constant dosing system with level control

FEATURES

- Constant dosing

FUNCTIONS

- Constant/constant with divider (1/10)

INPUT

Level control

V CO

Constant dosing system without level control

FEATURES

- Constant dosing

FUNCTIONS

- Constant/constant with divider (1/10)

A - Self venting

› Self venting pump head.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.
› **Optional accessories**: PP pump head and accessories (with PE hose).

- input and output shown in red are to be considered as optional.

VMS MF

1 | code		pump head |	PP			PVDF			
VMF		oring |	FP	EP	W	FP	EP	W	level alarm output
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
20	1		■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■
18	4		■	■	■	■	■	■	■
15	2		■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■
15	5		■	■	■	■	■	■	■
10	4		■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■
10	10		■	■	■	■	■	■	■
7	6		■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■
5	12		■	■	■	■	■	■	■
4	8		■	■	■	■	■	■	■
3	10		■	■	■	■	■	■	■
2	15		■	■	■	■	■	■	■
1	16		■	■	■	■	■	■	■

VMS PO

1 | code		pump head |	PP			PVDF			
VPO		oring |	FP	EP	W	FP	EP	W	level alarm output
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
20	1		■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■
18	4		■	■	■	■	■	■	■
15	2		■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■
15	5		■	■	■	■	■	■	■
10	4		■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■
10	10		■	■	■	■	■	■	■
7	6		■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■
5	12		■	■	■	■	■	■	■
4	8		■	■	■	■	■	■	■
3	10		■	■	■	■	■	■	■
2	15		■	■	■	■	■	■	■
1	16		■	■	■	■	■	■	■

V CO

1 | code		pump head |	PP			PVDF		
VCO		oring |	FP	EP	W	FP	EP	W
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y
20	1		■	■	■	■	■	■
18	2		■	■	■	■	■	■
18	4		■	■	■	■	■	■
15	2		■	■	■	■	■	■
15	4		■	■	■	■	■	■
15	5		■	■	■	■	■	■
10	4		■	■	■	■	■	■
10	5		■	■	■	■	■	■
10	10		■	■	■	■	■	■
7	6		■	■	■	■	■	■
5	1		■	■	■	■	■	■
5	10		■	■	■	■	■	■
5	12		■	■	■	■	■	■
4	8		■	■	■	■	■	■
3	10		■	■	■	■	■	■
2	15		■	■	■	■	■	■
1	16		■	■	■	■	■	■

V CL

1 | code		pump head |	PP			PVDF			
VCL		oring |	FP	EP	W	FP	EP	W	level alarm output
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
20	1		■	■	■	■	■	■	■
18	2		■	■	■	■	■	■	■
18	4		■	■	■	■	■	■	■
15	2		■	■	■	■	■	■	■
15	4		■	■	■	■	■	■	■
15	5		■	■	■	■	■	■	■
10	4		■	■	■	■	■	■	■
10	5		■	■	■	■	■	■	■
10	10		■	■	■	■	■	■	■
7	6		■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■
5	10		■	■	■	■	■	■	■
5	12		■	■	■	■	■	■	■
4	8		■	■	■	■	■	■	■
3	10		■	■	■	■	■	■	■
2	15		■	■	■	■	■	■	■
1	16		■	■	■	■	■	■	■

SELF VENTING

VMSA MF

1 | code		pump head |	PP			PVDF			level alarm output
VAF		oring |	FP	EP	W	FP	EP	W	
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
18	2		■	■	■	■	■	■	■
15	1		■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■
10	2		■	■	■	■	■	■	■
10	3,4		■	■	■	■	■	■	■
10	7		■	■	■	■	■	■	■
7	4		■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■
5	9		■	■	■	■	■	■	■
4	5,5		■	■	■	■	■	■	■
3	7		■	■	■	■	■	■	■
2	12		■	■	■	■	■	■	■
1	13,5		■	■	■	■	■	■	■

VMSA PO

1 | code		pump head |	PP			PVDF			level alarm output
VAP		oring |	FP	EP	W	FP	EP	W	
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
18	2		■	■	■	■	■	■	■
15	1		■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■
10	2		■	■	■	■	■	■	■
10	3,4		■	■	■	■	■	■	■
10	7		■	■	■	■	■	■	■
7	4		■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■
5	9		■	■	■	■	■	■	■
4	5,5		■	■	■	■	■	■	■
3	7		■	■	■	■	■	■	■
2	12		■	■	■	■	■	■	■
1	13,5		■	■	■	■	■	■	■

VA CO

1 | code		pump head |	PP			PVDF			
VAO		oring |	FP	EP	W	FP	EP	W	
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
18	2		■	■	■	■	■	■	
15	1		■	■	■	■	■	■	
15	3		■	■	■	■	■	■	
10	,5		■	■	■	■	■	■	
10	2		■	■	■	■	■	■	
10	3,4		■	■	■	■	■	■	
10	7		■	■	■	■	■	■	
7	4		■	■	■	■	■	■	
5	7,5		■	■	■	■	■	■	
5	9		■	■	■	■	■	■	
4	5,5		■	■	■	■	■	■	
3	7		■	■	■	■	■	■	
2	12		■	■	■	■	■	■	
1	13,5		■	■	■	■	■	■	

VA CL

1 | code		pump head |	PP			PVDF			level alarm output
VAL		oring |	FP	EP	W	FP	EP	W	
2 | bar	3 | l/h	4 |	V	D	W	1	2	Y	
18	2		■	■	■	■	■	■	■
15	1		■	■	■	■	■	■	■
15	3		■	■	■	■	■	■	■
10	,5		■	■	■	■	■	■	■
10	2		■	■	■	■	■	■	■
10	3,4		■	■	■	■	■	■	■
10	7		■	■	■	■	■	■	■
7	4		■	■	■	■	■	■	■
5	7,5		■	■	■	■	■	■	■
5	9		■	■	■	■	■	■	■
4	5,5		■	■	■	■	■	■	■
3	7		■	■	■	■	■	■	■
2	12		■	■	■	■	■	■	■
1	13,5		■	■	■	■	■	■	■

Series \ WDPHxx

Solenoid-driven dosing pumps with control instrument

WDPHxx systems integrate a control instrument with proportional dosing pumps and represents the ideal solution for specific dosing requirements such as those in the swimming pool sector.
They are equipped with a backlit LCD display, encoder knob, head pumps and hydraulic parts in PVDF, stand-by, input for flow control, programmable delay at dosing startup, setting of the pH dosing priority, service menu with probe reading value, probe check-up and alarms.

RS485 output allows remote control via the exclusive ERMES online system.

PERFORMANCE

10 l/h

7 bar

POWER SUPPLY

230 VAC

115 VAC

VENTING

MANUAL

SELF

FEATURES

- Wall mounted
- LCD backlight display
- Double ball check valve
- Standard liquid ends in PVDF
- RS485 output for web control (ERMES)
- MODBUS with BT MODBUS module on request

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PE delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

COMMUNICATION

ERMES

Modbus

Series \ WDPHxx
Basic models

technical data
manuals
datasheets
exploded-views

WDPH RH

pH and ORP proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Disinfectant** - 0/1000 mV Redox

FUNCTIONS

- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH CL

pH and Chlorine/Bromine proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Chlorine** - 0/10 mg/l Cl_2
- **Bromine** - 0/10 mg/l Br

FUNCTIONS

- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH CF

pH and Flocculant proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Flocculant with** 230 VAC output for Chlorine - 0/10 mg/l Cl_2 or **Bromine** - 0/10 mg/l Br

FUNCTIONS

- 230 VAC output for Chlorine
- Test function
- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH CA

pH and Anti-algae proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Anti-algae with** 230 VAC output for Chlorine - 0/10 mg/l Cl_2 or **Bromine** - 0/10 mg/l Br

FUNCTIONS

- 230 VAC output for Chlorine/bromine
- Weekly timer for anti-algae shock dosing
- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH OS

pH and active oxygen proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Active oxygen** - 0/100°C Temperature

FUNCTIONS

- Weekly/daily timer for active oxygen
- Definition of the standard dosing amount based on the tank volume
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH RHS

pH and ORP proportional dosing with Schuko plug output

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Chlorine** - 0/10 mg/l Cl_2

FUNCTIONS

- 230 VAC output for Chlorine/bromine
- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

WDPH CLS

pH and Chlorine/Bromine proportional dosing with Schuko plug output

FEATURES

› Digital display
› **Chlorine** - 0/10 mg/l Cl_2
› **Bromine** - 0/10 mg/l Br

FUNCTIONS

› 230 VAC output for Chlorine/bromine
› Delayed startup (< 60min)
› pH dosing priority setting
› Instant reading and probe check up

INPUT	OUTPUT
Level control Flow sensor Stand-by	Alarms: damaged probe (probe check-up), max dosing, levels, voltage, flow

A - Self venting

› Self venting pump head.
› PVDF liquid ends (pump head, injection valve, foot filter, delivery hose).
› **Accessories included**: basic model accessories.
› **Optional accessories**: PP pump head and accessories (with PE hose).

					WDPHRH	WDPHCL	WDPHCF	WDPHCA	WDPHOS	WDPHRHS	WDPHCLS
		pump head |	PVDF			1 | code	1 | code	1 | code	1 | code	1 | code	1 | code	1 | code
		oring |	FP	EP	W	WDH	WHL	WDF	WDA	WOS	WBS	WDS
2 | bar	3 | l/h	4 |	V	D	W							
7	6		■	■	■	■	■	■	■	■	■	■
5	1		■	■	■	■	■	■	■	■	■	■
3	10		■	■	■	■	■	■	■	■	■	■

SELF VENTING

					WDPHRH	WDPHCL	WDPHCF	WDPHCA	WDPHOS	WDPHRHS	WDPHCLS
		pump head |	PVDF			1 | code	1 | code	1 | code	1 | code	1 | code	1 | code	1 | code
		oring |	FP	EP	W	WDH	WHL	WDF	WDA	WOS	WBS	WDS
2 | bar	3 | l/h	4 |	V	D	W							
3	7		■	■	■	■	■	■	■	■	■	■

- input and output shown in red are to be considered as optional.

Series\WHPHRH

All-in-one swimming pool solution

WHPHRH is a complete integrated system for pool water treatment, an all-in-one solution that is easy to use and highly accurate. Ideal for private pools, it is equipped with two pumps with a PVDF head pump for pH/Redox regulation, an input for flow control and also an end product alarm with reserve dosing.

WHPHRH is equipped with a self-learning function, which enables the instrument to interpret your pool's chemical water values in order to automatically regulate the dosing process, and the innovative pH/Redox probe calibration system.

PERFORMANCE

10 l/h

7 bar

POWER SUPPLY

230 VAC

115 VAC

VENTING

MANUAL

SELF

COMMUNICATION

ERMES

Modbus

FEATURES

- Wall mounted
- LCD backlight display
- Double ball check valve
- Standard liquid ends in PVDF
- RS485 output for web control (ERMES)
- MODBUS with BT MODBUS module on request

BASIC MODEL ACCESSORIES

- PVDF injection valve (0.3 bar)
- PVDF level probe
- PVDF foot filter
- PE delivery hose (2 mt)
- PVC (flexible) suction hose (2 mt)
- PVC (4x6) outgassing hose (2 mt)

WHPH RH

pH and ORP proportional dosing

FEATURES

- Digital display
- **Acid/base** - 0/14 pH
- **Disinfectant** - 0/1000 mV ORP

FUNCTIONS

- Delayed startup (< 60min)
- pH dosing priority setting
- Instant reading and probe check up

INPUT	OUTPUT
Level control	Damaged probe
Flow sensor	Max dosing
Water meter	Level alarm
Stand-by	Voltage alarm
	Flow alarm

WHPHRH

1 | code		pump head |	PVDF		
WHH		oring |	FP	EP	W
2 | bar	3 | l/h	4 |	K	P	Y
7	6		■	■	■
5	1		■	■	■
3	7		■	■	■
3	10		■	■	■

Series \ R
Compressed air dosing pumps

technical data
manuals
datasheets
exploded-views

Compressed air dosing pumps designed for specific applications and, especially, for car washing systems.
R dosing pumps work only with compressed air without lubrificant and/or condensed water, while air supply pressure range must be between 6 bar and 10 bar. They are equipped with pneumatic stroke frequency adjustment and can be installed horizontally (with bracket) or on wall (DIN rail).

PERFORMANCE

12 l/h

6 bar

POWER SUPPLY

COMPRESSED AIR

RAC

Constant dosing

FEATURES
- Pneumatic stroke frequency adjustment
- PP liquid ends

FUNCTIONS
- Constant dosing

RAC V

Constant dosing with electrovalve

FEATURES
- Electrovalve (without connector)
- Pneumatic stroke frequency adjustment
- PP liquid ends

FUNCTIONS
- Constant dosing

RAC P

Constant dosing with priming button

FEATURES
- Priming button
- Pneumatic stroke frequency adjustment
- PP liquid ends

FUNCTIONS
- Constant dosing

RAC

1 | code			pump head |	PP
RAC				
2 | bar	3 | l/h	cc/s	tubo	4 | E
6	1	0,14	4x6 - 6x8	■
6	3	0,42	4x6 - 6x8	■
6	6	0,83	4x6 - 6x8	■
6	12	1,66	4x6 - 6x8	■

RACV

1 | code			pump head |	PP
RAV				
2 | bar	3 | l/h	cc/s	hose	4 | E
6	1	0,14	4x6 - 6x8	■
6	3	0,42	4x6 - 6x8	■
6	6	0,83	4x6 - 6x8	■
6	12	1,66	4x6 - 6x8	■

RACP

1 | code			pump head |	PP
RAP				
2 | bar	3 | l/h	cc/s	tubo	4 | E
6	1	0,14	4x6 - 6x8	■
6	3	0,42	4x6 - 6x8	■
6	6	0,83	4x6 - 6x8	■
6	12	1,66	4x6 - 6x8	■

Technical data

bar	l/h	cc/s	PUMP HEAD MODEL	SOLENOID DIAM.	HOSES SUC	HOSES DEL	PVDF HOSE extra charge
AMS SERIES							
25	5	0,70	L	110	4x6	4x6	■
15	10	1,4	M	110	4x6	4x6	■
10	15	2,1	M	110	6x8	6x8	■
7	20	2,8	N	110	6x8	6x8	■
3	40	5,6	S	110	8x12	8x10	■
2	60	7,7	T	110	8x12	8x10	■
SELF VENTING							
25	3,2	0,44	LA	110	4x6	4x6	■
15	6	0,83	MA	110	4x6	4x6	■
10	10	1,38	MA	110	6x8	6x8	■
7	13	1,81	NA	110	6x8	6x8	■
3	30	4,17	SA	110	8x12	8x10	■
2	38,5	5,35	TA	110	8x12	8x10	■
VISCOUS LIQUIDS							
08	02	0,28	LP	110	20 x 27	16 x 22	-
06	04	0,56	MP	110	20 x 27	16 x 22	-
04	10	1,4	NP	110	20 x 27	16 x 22	-
02	25	3,5	SP	110	20 x 27	16 x 22	-
01	40	5,6	TP	110	20 x 27	16 x 22	-
LOW VISCOUS LIQUIDS							
25	05	0.70	L	110	16 x 22	8 x 12	-
15	10	1.4	M	110	16 x 22	8 x 12	-
10	15	2.1	M	110	16 x 22	8 x 12	-
07	20	2.8	N	110	16 x 22	8 x 12	-
03	40	5.6	S	110	16 x 22	8 x 12	-
02	60	7.7	T	110	16 x 22	8 x 12	-
COMPRESSED AIR							
10	50	7	N	/	8 x 12	8 x 10	■
05	140	19	T	/	12 x 18	13 x 16	■
00	220	30	T	/	12 x 18	13 x 16	■

bar	l/h	cc/s	PUMP HEAD MODEL	SOLENOID DIAM.	HOSES SUC	HOSES DEL	PVDF HOSE extra charge
V SERIES							
20	1	0,1	J	70	4 x 8	4 x 8	■
18	2	0,19	K	70	4 x 8	4 x 8	■
18	4	0,37	K	80	4 x 8	4 x 8	■
15	2	0,19	K	60	4 x 6	4 x 6	■
15	4	0,37	K	70	4 x 6	4 x 6	■
15	5	0,46	K	80	4 x 6	4 x 6	■
10	4	0,37	K	60	4 x 6	4 x 6	■
10	5	0,46	K	70	4 x 6	4 x 6	■
10	10	0,93	K	80	4 x 6	4 x 6	■
7	6	0,56	K	60	4 x 6	4 x 6	■
5	10	0,93	K	70	4 x 6	4 x 6	■
5	12	1,11	K	80	4 x 6	4 x 6	■
5	1	0,1	J	60	4 x 6	4 x 6	■
4	8	0,74	K	60	4 x 6	4 x 6	■
3	10	0,93	K	60	4 x 6	4 x 6	■
2	15	1,38	K	80	6 x 8 (PE)	6 x 8 (PE)	■
1	16	1,48	K	70	6 x 8 (PE)	6 x 8 (PE)	■
SELF VENTING							
18	2	0,19	KA	80	4 x 8	4 x 8	■
15	3	0,28	KA	80	4 x 6	4 x 6	■
15	1	0,1	KA	60	4 x 6	4 x 6	■
10	3.4	0,32	KA	70	4 x 6	4 x 6	■
10	7	0,65	KA	80	4 x 6	4 x 6	■
10	2	0,19	KA	60	4 x 6	4 x 6	■
10	0.5	0,05	JA	60	4 x 6	4 x 6	■
7	4	0,37	KA	60	4 x 6	4 x 6	■
5	7.5	0,7	KA	70	4 x 6	4 x 6	■
5	9	0,84	KA	80	4 x 6	4 x 6	■
4	5.5	0,51	KA	60	4 x 6	4 x 6	■
3	7	0,65	KA	60	4 x 6	4 x 6	■
2	12	1,11	KA	80	6 x 8 (PE)	6 x 8 (PE)	■
1	13,5	1,25	KA	70	6 x 8 (PE)	6 x 8 (PE)	■

bar	l/h	cc/s	PUMP HEAD MODEL	SOLENOID DIAM.	HOSES SUC	HOSES DEL	PVDF HOSE extra charge
K SERIES							
20	1	0.1	I	75	4 x 6	4 x 6	■
18	2	0.19	L	75	4 x 6	4 x 6	■
15	4	0.37	L	75	4 x 6	4 x 6	■
10	5	0.46	L	75	4 x 6	4 x 6	■
8	8	0.74	L	75	4 x 6	4 x 6	■
5	10	0.93	L	75	4 x 6	4 x 6	■
5	1	0.09	I	75	4 x 6	4 x 6	■
2	18	1.67	M	75	6 x 8	6 x 8	■
SELF VENTING							
18	1	0.1	LA	75	4 x 6	4 x 6	■
15	3	0.28	LA	75	4 x 6	4 x 6	■
10	3.5	0.32	LA	75	4 x 6	4 x 6	■
10	0.5	0.05	IA	75	4 x 6	4 x 6	■
8	5.5	0.51	LA	75	4 x 6	4 x 6	■
5	7.5	0.69	LA	75	4 x 6	4 x 6	■
2	13	1.20	MA	75	6 x 8	6 x 8	■
LOW VISCOUS LIQUIDS							
18	2	0.19	L	75	16 x 22	8 x 12	-
15	4	0.37	L	75	16 x 22	8 x 12	-
10	5	0.46	L	75	16 x 22	8 x 12	-
8	8	0.74	L	75	16 x 22	8 x 12	-
5	10	0.93	M	75	16 x 22	8 x 12	-
2	18	1.67	M	75	16 x 22	8 x 12	-

bar	l/h	cc/s	PUMP HEAD MODEL	SOLENOID DIAM.	HOSES SUC	HOSES DEL
WD SERIES						
3	10	0,93	K	60	4 x 6	4 x 6
7	6	0,55	K	60	4 x 6	4 x 6
5	1	0,09	J	60	4 x 6	4 x 6
SELF VENTING						
3	7	0,65	K	60	4 x 6	4 x 6

bar	l/h	cc/s	PUMP HEAD MODEL	SOLENOID DIAM.	HOSES SUC	HOSES DEL	PVDF HOSE extra charge
T SERIES							
20	05	0,7	L	110	4 x 6	4 x 6	■
05	15	2,1	N	110	6 x 8	6 x 8	■
04	20	2,8	N	110	6 x 8	6 x 8	■
03	30	4,2	S	110	8 x 12	8 x 10	■
01	50	7	S	110	8 x 12	8 x 10	■
00	100	14	T	110	12 x 18 Meshed PVC	12 x 18 Meshed PVC	■
SELF VENTING							
20	3,2	0,44	LA	110	4 x 6	4 x 6	■
05	10	1,39	NA	110	6 x 8	6 x 8	■
04	13	1,80	NA	110	6 x 8	6 x 8	■
03	20	2,7	SA	110	8 x 12	8 x 10	■
01	35	7,4	SA	110	8 x 12	8 x 10	■
VISCOUS LIQUIDS							
06	01	0,14	LP	110	20 x 27	16 x 22	-
04	03	0,42	MP	110	20 x 27	16 x 22	-
02	08	1,2	NP	110	20 x 27	16 x 22	-
01	20	2,8	SP	110	20 x 27	16 x 22	-
0,5	25	3,5	TP	110	20 x 27	16 x 22	-
COMPRESSED AIR							
10	50	7	N	/	8 x 12	8 x 10	■
05	150	20	T	/	12 x 18	13 x 16	■
00	230	32	T	/	12 x 18	13 x 16	■

DOSING PUMPS SPARE PARTS

CIRCUIT BOARDS
AMSAC CO PLUS
AMSAC CL PLUS
AMSAC MF
AMS CO PLUS
AMS CL PLUS
AMS PLUS
AMS MF
AMS DC
AMS PH
AMS RH
TCO
TCL
TMS MF
TMS DC
TMS RH
TMS PH
TAC CO
TAC CL
TAC MF
KCO PLUS
KCL PLUS
K PLUS
KMS DC
KMS MF
KMS EN
KMS CL
KMS RH
KMS PH
VCO
VCL
VMS MF
VMS PH
VMS RH
VMS EN
VMS PO
WDPHRH
WDPHCL
WDPHOS
WDPHRHS
WDPHCLS

SOLENOID
115 box CMS / AMS
60 box C-EPHRH /WD
60 box F/V
70 box F/V
75 box H/K
80 box G/V/T
110 box G/T
115 box AMS
110 box T

PUMP HEADS	
020.1555.1	NP (PMMA+FP+PTFE)
020.1556.1	SP (PMMA+FP+PTFE)
020.1557.1	TP (PMMA+FP+PTFE)
020.0102.1	BP (PMMA+FP+PTFE)
020.0168.1	DP (PMMA+FP+PTFE)
020.0208.1	EP (PMMA+FP+PTFE)
020.0106.1	FP (PMMA+FP+PTFE)
020.1234.1	L - 4x8 (PVDF+FP+CE) for pump mod. CMS renforced
020.1249.1	L - 4x8 (PVDF+EP+CE) for pump mod. CMS renforced
020.1294.1	L - 4x6 (PVDF+FP+CE) for pump mod. CMS renforced
020.1753.1	L - 4x6 (PVDF+EP+CE) for pump mod. CMS renforced
020.1191.1	M - 4x8 (PVDF+FP+CE) for pump mod. CMS renforced
020.1194.1	M - 4x8 (PVDF+EP+CE) for pump mod. CMS renforced
020.1226.1	M - 4x6 (PVDF+FP+CE) for pump mod. CMS renforced
020.1560.1	M - 4x6 (PVDF+EP+CE) for pump mod. CMS renforced
020.0695.1	D - 6x8 (PP+FP+CE) for pump mod. CMS - G
020.0529.1	D - 6x8 (PP+EP+CE) for pump mod. CMS / G
020.0823.1	D - 6x8 (PMMA+EP+CE) for pump mod. CMS / G
020.0754.1	D - 6x8 (PMMA+FP+CE) for pump mod. CMS / G
020.0516.1	E - 8x12 (PP+EP+CE) for pump mod. CMS / G
020.0606.1	E - 8x12 (PP+FP+CE) for pump mod. CMS / G
020.0824.1	E - 8x12 (PMMA+EP+CE) for pump mod. CMS / G
020.0825.1	E - 8x12 (PMMA+FP+CE) for pump mod. CMS / G
020.0714.1	F - 8x12 (PP+FP+CE) for pump mod. CMS / G
020.0513.1	F - 8x12 (PP+EP+CE) for pump mod. CMS / G
020.0826.1	F - 8x12 (PMMA+EP+CE) for pump mod. CMS / G
020.0827.1	F - 8x12 (PMMA+FP+CE) for pump mod. CMS / G
020.1271.1	J - 4X6 (PVDF+WAX+CE) pump V
020.1848.1	J - 4X6 (PP+EP+CE) pump V
020.1135.1	J - 4X6 (PVDF+FP+CE) pump V

020.1243.1	J - 4X6 (PVDF+EP+CE) pump V
020.2407.1	J - 4X6 (PP+FP+CE) pump V
020.2356.1	J - 4X6 (PP+WAX+CE) pump V
020.0985.1	J - 4x8 (20-01) (PVDF+FP+CE) pump V
020.0986.1	J - 4x8 (20-01)(PVDF+EP+CE) pump V
020.1288.1	J - 4X8 (PVDF+WAX+CE) pump V
020.1915.1	J - 4X8 (PP+EP+CE) pump V
020.0987.1	K - 4x6 (PVDF+FP+CE) pump V
020.0988.1	K - 4x6 (PVDF+EP+CE) pump V
020.1012.1	K - 4x6 (PVDF+WAX+CE) pump V
020.1534.1	K - 4x6 (PP+EP+CE) pump V
020.1839.1	K - 4x6 (PP+FP+CE) pump V
020.1982.1	K - 4x6 (PP+WAX+CE) pump V
020.0989.1	K - 4x8 (PVDF+FP+CE) pump V
020.0990.1	K - 4x8 (PVDF+EP+CE) pump V
020.1506.1	K - 4x8 (PVDF+WAX+CE) pump V
020.1916.1	K - 4x8 (PP+EP+CE) pump V
020.1146.1	K - 6x8 (PVDF+FP+CE) pump V
020.1280.1	K - 6x8 (PVDF+EP+CE) pump V
020.1501.1	K - 6x8 (PVDF+WAX+CE) pump V
020.1576.1	K - 6x8 (PP+EP+CE) pump V
020.0633.1	G - 6x8 (PP+FP+CE) pump H
020.0465.1	G - 6x8 (PP+EP+CE) pump H
020.0718.1	G - 6x8 (PMMA+ FP+CE) pump H
020.0775.1	G - 6x8 (PMMA+ EP+CE) pump H
020.1435.1	I – 4X6 (PVDF+ FP+CE) pump K
020.1436.1	I – 4X6 (PVDF+ EP+CE) pump K
020.1123.1	I – 4X6 (PVDF+ EP+CE) renforced for pump mod. K
020.1124.1	I – 4X6 (PVDF+ FP+CE) renforced for pump mod. K
020.1654.1	I – 4X6 (PVDF+WAX+CE) pump K
020.1527.1	I – 4X6 (PVDF+WAX+CE) renforced for pump mod. K
020.2006.1	I – 4X6 (PP+EP+CE) pump K
020.1559.1	I – 4X6 (PP+EP+CE) renforced for pump mod. K
020.1125.1	L – 4X6 (PVDF+ EP+CE) pump K
020.1126.1	L – 4X6 (PVDF+ FP+CE) pump K
020.1318.1	L – 4X6 (PVDF+ FP+CE) for pump mod. K renforced
020.1319.1	L – 4X6 (PVDF+ EP+CE) for pump mod. K renforced
020.1336.1	L – 4X6 (PVDF+WAX+CE) pump K
020.1140.1	L – 4X6 (PVDF+WAX+CE) for pump mod. K renforced
020.1562.1	L – 4X6 (PP+EP+CE) pump K
020.2329.1	L – 4X6 (PP+FP+CE) pump K
020.1951.1	L – 4X6 (PP+WAX+CE) pump K
020.2394.1	L – 4X6 (PP+FP+CE) renforced for pump K
020.1563.1	L – 4X6 (PP+EP+CE) for pump mod. K renforced
020.1127.1	M – 6X8 (PVDF+ EP+CE) pump K
020.1128.1	M – 6X8 (PVDF+ FP+CE) pump K
020.1524.1	M – 6X8 (PVDF+WAX+CE) pump K
020.1907.1	M – 6X8 (PP+EP+CE) pump K
020.1590.1	M – 6X8 (PP+FP+CE) pump K
020.1634.1	N - 6x8 (PVDF+FP+CE) pump AMS/T
020.1492.1	N - 6x8 (PVDF+WAX+CE) pump AMS/T
020.1635.1	N - 6x8 (PVDF+EP+CE) pump AMS/T
020.1820.1	N - 6x8 (PP+EP+CE) pump AMS/T
020.1963.1	N - 6x8 (PP+FP+CE) pump AMS/T
020.1297.1	N - 8x10 (injection) - 8x12 (suction) (PVDF+FP+CE) pump AMS AC /T AC 1050 renforced
020.1298.1	N - 8x10 (injection) - 8x12 (suction) (PVDF+EP+CE) pump AMS AC /T AC 1050 renforced
020.1636.1	S - 8x10 (injection) - 8x12 (suction) (PVDF+FP+CE) p. AMS/T
020.1637.1	S - 8x10 (injection) - 8x12 (suction) (PVDF+EP+CE) p. AMS/T
020.1845.1	S - 8x12 (injection/suction) (PP+EP+CE) pump AMS/T
020.1638.1	T - 13x16 (injection) - 12x18 (suction) (PVDF+FP+CE) pump AMS/T
020.1639.1	T - 13x16 (injection) - 12x18 (suction) (PVDF+EP+CE) pump AMS/T
020.1668.1	T - 8x10 (injection) - 8x12 (suction) (PVDF+FP+CE) pump AMS/T
020.1672.1	T - 8x10 (injection) - 8x12 (suction) (PVDF+EP+CE) pump AMS/T
020.1295.1	T - 12x18 (injection/suction) (PVDF+FP+CE) pump AMS/T
020.1296.1	T - 12x18 (injection/(suction) (PVDF+EP+CE) pump AMS/T
020.1838.1	T - 8X12 (injection/suction) (PP+EP+CE) pump AMS/T
020.1640.1	L - 4x6 (PVDF+FP+CE) renforced for AMS/T pump
020.1641.1	L - 4x6 (PVDF+EP+CE) renforced for AMS/T pump
020.1783.1	L - 4x6 (PVDF+WAX+CE) renforced for AMS/T pump
020.1918.1	L - 4x6 (PP+EP+CE) renforced for AMS/T pump
020.2074.1	L - 4x6 (PP+FP+CE) renforced for AMS/T pump
020.1642.1	M - 4x6 (PVDF+FP+CE) renforced for AMS/T pump
020.1643.1	M - 4x6 (PVDF+EP+CE) renforced for AMS/T pump
020.2059.1	M - 4x6 (PVDF+WAX+CE) renforced for AMS/T pump
020.1919.1	M - 4x6 (PP+EP+CE) renforced for AMS/T pump
020.1644.1	M - 6x8 (PVDF+FP+CE) renforced for AMS/T pump
020.1645.1	M - 6x8 (PVDF+EP+CE) renforced for AMS/T pump
020.2060.1	M - 6x8 (PVDF+WAX+CE) renforced for AMS/T pump
020.1578.1	M - 6x8 (PP+EP+CE) renforced for AMS/T pump
020.1135.1	J – 4x6 (PVDF+FP+CE)
020.1243.1	J – 4x6 (PVDF+EP+CE)

VISCOUS LIQUIDS PUMP HEADS (LPV)

020.2048.1	L-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. AMS/T
020.1816.1	M-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. AMS/T
020.2102.1	M-LPV 8x12/16x22 (PMMA+EP+SS) for pump mod. AMS/T
020.1999.1	N-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. AMS/T
020.1973.1	S-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. AMS/T
020.1987.1	T-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. AMS/T
020.2427.1	T-LPV 8x12/16x22 (PMMA+EP+SS) for pump mod. AMS/T
020.0014.1	L-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. K
020.1449.1	L-LPV 8x12/16x22 (PMMA+EP+SS) for pump mod. K
020.2004.1	M-LPV 8x12/16x22 (PMMA+FP+SS) for pump mod. K

SELF VENTING PUMP HEADS

020.0587.1	AA - 4X8 (PMMA+EP+CE) pump H / K
020.0839.1	AA- 4X8 (PMMA+FP+CE) pump H / K
020.0335.1	BA- 4X6 (PMMA+EP+CE) pump CMS
020.0336.1	BA- 4X6 (PMMA+FP+CE) pump CMS
020.0688.1	BA- 4X6 (PMMA+EP+CE) pump G (80)
020.0784.1	BA- 4X6 (PMMA+FP+CE) pump G (80)
020.0794.1	BA- 4X6 (PMMA+EP+CE) pump H - K
020.0310.1	CA- 4X8 (PMMA+FP+CE) pump CMS
020.0880.1	CA- 4X6 (PMMA+FP+CE) F pump
020.0840.1	CA- 4X6 (PMMA+FP+CE) pump G (110)
020.0344.1	DA - 6X8 (PMMA+EP+CE) pump CMS - G
020.0710.1	DA- 6X8 (PMMA+FP+CE) pump CMS - G
020.0762.1	EA- 8X12 (PMMA+FP+CE) pump CMS - G
020.0883.1	EA- 8X12 (PMMA+EP+CE) pump CMS - G
020.0787.1	FA - 8X12 (PMMA+FP+CE) pump CMS - G
020.0884.1	FA- 8X12 (PMMA+EP+CE) pump CMS - G
020.1015.1	KA - 4x6 (PVDF+FP+CE) pump V
020.1071.1	KA - 4x6 (PVDF+EP+CE) pump V
020.1255.1	KA - 4x6 (PVDF+WAX+CE) pump V
020.1581.1	KA - 4x6 (PP+EP+CE) pump V
020.1167.1	KA - 4x8 (PVDF+FP+CE) pump V
020.1198.1	KA - 4x8 (PVDF+EP+CE) pump V

020.1287.1	KA - 4x8 (PVDF+WAX+CE) pump V
020.1924.1	KA - 4x8 (PP+EP+CE) pump V
020.1265.1	KA - 6x8 (PVDF+FP+CE) pump V
020.0015.1	KA - 6x8 (PVDF+EP+CE) pump V
020.1702.1	KA - 6x8 (PVDF+WAX+CE) pump V
020.1925.1	KA - 6x8 (PP+EP+CE) pump V
020.1129.1	LA – 4X6 (PVDF+ EP+CE) pump K
020.1130.1	LA – 4X6 (PVDF+ FP+CE) pump K
020.1144.1	LA - 4x6 (PVDF+WAX+CE) pump K
020.1926.1	LA - 4x6 (PP+EP+CE) pump K
020.1320.1	LA – 4X6 (PVDF+ FP+CE) renforced for pump mod. K
020.1321.1	LA – 4X6 (PVDF+ EP+CE) renforced for pump mod. K
020.1199.1	LA - 4x6 (PVDF+WAX+CE) renforced for pump mod. K
020.1597.1	LA - 4x6 (PP+EP+CE) renforced for pump mod. K
020.1131.1	MA – 6X8 (PVDF+ EP+CE) pump K
020.1132.1	MA – 6X8 (PVDF+ FP+CE) pump K
020.1162.1	IA - 4x6 (PVDF+FP+CE) renforced for pump mod. K
020.1163.1	IA - 4x6 (PVDF+EP+CE) renforced for pump mod. K
020.1625.1	IA - 4x6 (PVDF+WAX+CE) pump K
020.1701.1	IA - 4x6 (PVDF+FP+CE) pump K
020.1262.1	IA - 4x6 (PVDF+EP+CE) pump K
020.1526.1	IA - 4x6 (PVDF+WAX+CE) renforced for pump mod. K
020.2052.1	IA - 4x6 (PP+EP+CE) pump K
020.1928.1	IA - 4x6 (PP+EP+CE) renforced for pump mod. K
020.1196.1	JA - 4x8 (PVDF+FP+CE) pump V
020.1197.1	JA - 4x8 (PVDF+EP+CE) pump V
020.2050.1	JA - 4x8 (PVDF+WAX+CE) pump V
020.1646.1	LA - 4x6 (PVDF+FP+CE) renforced for AMS/T pump
020.1647.1	LA - 4x6 (PVDF+EP+CE) renforced for AMS/T pump
020.2057.1	LA - 4x6 (PVDF+WAX+CE) renforced for AMS/T pump
020.1929.1	LA - 4x6 (PP+EP+CE) renforced for AMS/T pump
020.1648.1	MA - 4x6 (PVDF+FP+CE) renforced for AMS/T pump
020.1649.1	MA - 4x6 (PVDF+EP+CE) renforced for AMS/T pump
020.2062.1	MA - 4x6 (PVDF+WAX+CE) renforced for AMS/T pump
020.1930.1	MA - 4x6 (PP+EP+CE) renforced for AMS/T pump
020.1650.1	MA - 6x8 (PVDF+FP+CE) renforced for AMS/T pump
020.1651.1	MA - 6x8 (PVDF+EP+CE) renforced for AMS/T pump
020.2061.1	MA - 6x8 (PVDF+WAX+CE) renforced for AMS/T pump
020.1931.1	MA - 6x8 (PP+EP+CE) renforced for AMS/T pump
020.2058.1	MA - 6x8 (PVDF+WAX+CE) pump K
020.1927.1	MA - 6x8 (PP+EP+CE) pump K
020.1652.1	NA - 6x8 (PVDF+FP+CE) pump AMS/T
020.1653.1	NA - 6x8 (PVDF+EP+CE) pump AMS/T
020.2063.1	NA - 6x8 (PVDF+WAX+CE) pump AMS/T
020.1932.1	NA - 6x8 (PP+EP+CE) pump AMS/T
020.1530.1	SA 8X10 (injection) - 8X12 (suction) (PVDF+FP+CE)
020.1531.1	SA 8X10 (injection) - 8X12 (suction) (PVDF+EP+CE)
020.1933.1	SA 8X12 (PP+EP+CE) pump AMS/T
020.1796.1	TA 8X10 (injection) - 8X12 (suction) (PVDF+FP+CE)
020.1797.1	TA 8X10 (injection) - 8X12 (suction) (PVDF+EP+CE)
020.1934.1	TA 8X12 (PP+EP+CE) pump AMS/T
020.1567.1	TA 13X16 (injection) - 12X18 (suction) (PVDF+FP+CE)
020.1798.1	TA 13X16 (injection) - 12X18 (suction) (PVDF+EP+CE)
020.1799.1	TA 12X18 (PVDF+FP+CE) pump AMS/T
020.1800.1	TA 12X18 (PVDF+EP+CE) pump AMS/T

ORING

026.0042.0	or 5-212 VITON 3/8"
026.0045.0	or 5-212 EPDM 3/8"
026.0150.0	or 2-111 VITON 1/2"
026.0143.0	or 2-111 EPDM 1/2"
026.0053.0	or 2-119 FKM B 23,47 x 2,62 pump head i/j/a
026.0059.0	or 2-119 epdm 23,47x2,62 pump head i/j/a
026.0009.0	or 2-127 FKM B 36,17x2,62 pump head k/l/pcs/b/r
026.0007.0	or 2-127 epdm 36,17x2,62 pump head k/l/pcs/b/r
026.0013.0	or 2-134 FKM B 47,29x2,62 pump head c
026.0002.0	or 2-134 epdm 47,29x2,62 pump head c
026.0054.0	or 2-135 FKM B 48,90x2,62 pump head m
026.0058.0	or 2-135 epdm 48,90x2,62 pump head m
026.0220.0	or 2-144 FKM B 63,17x2,62 pump head n/d
026.0223.0	or 2-144 epdm 63,17x2,62 pump head n/d
026.0416.0	or 2-234 FKM B 75,79x3,53 pump head e/s
026.0027.0	or 2-234 epdm 75,79x3,53 pump head e/s
026.0117.0	or 2-237 FKM B 85,32x3,53 pump head t/f
026.0119.0	or 2-237 epdm 85,32x3,53 pump head t/f

DIAPHRAGM

018.0001.0	DIAPHRAGM (PTFE) for pump head "PCS" / "K" (pump F/C/V)
110.0733.1	DIAPHRAGM (PTFE) for pump head "K"
018.0030.0	DIAPHRAGM (PTFE) for pump head"G" (pump H/K)
018.0027.0	DIAPHRAGM (PTFE) for pump head "A" / "I" / "J" (pump H/G/K/V/F)
018.0033.0	DIAPHRAGM (PTFE) for pump head "B" / "L" (pump CMS/G/H/K/AMS/T)
018.0004.0	DIAPHRAGM (PTFE) for pump head "C" / "M" (pump CMS/G/K/H/F/AMS/T)
018.0022.0	DIAPHRAGM (PTFE) for pump head "D" / "N" (pump CMS/G/AMS/T)
018.0003.0	DIAPHRAGM (PTFE) for pump head "E" / "S" (pump CMS/G/AMS/T)
018.0028.0	DIAPHRAGM (PTFE) for pump head "F" (pump CMS/G)
018.0045.0	DIAPHRAGM (PTFE) for pump head "T" (pump AMS/T)
018.0005.0	DIAPHRAGM for pump head "NM" (PRIUS) / AMS AC / T AC

AXIAL FOOT FILTER

074.0570.1	Axial foot filter 1/2" 4x6 (PVDF+FP+CE)
074.0571.1	Axial foot filter 1/2" 4x6 (PVDF+EP+CE)
074.0572.1	Axial foot filter 1/2" 4x6 (PVDF+WAX+CE)
074.0666.1	Axial foot filter 1/2" 4x6 (PP+EP+CE)
074.0576.1	Axial foot filter 1/2" 4x8 (PVDF+FP+CE)
074.0596.1	Axial foot filter 1/2" 4x8 (PVDF+EP+CE)
074.0643.1	Axial foot filter 1/2" 4x8 (PVDF+WAX+CE)
074.0704.1	Axial foot filter 1/2" 4x8 (PP+EP+CE)
074.0577.1	Axial foot filter 1/2" 6x8 (PVDF+FP+CE)
074.0597.1	Axial foot filter 1/2" 6x8 (PVDF+EP+CE)
074.0640.1	Axial foot filter 1/2" 6X8 (PVDF+WAX+CE)
074.0687.1	Axial foot filter 1/2" 6X8 (PP+EP+CE)
074.0578.1	Axial foot filter 1/2" 8x10 (PVDF+FP+CE)
074.0598.1	Axial foot filter 1/2" 8x10 (PVDF+EP+CE)
074.0739.1	Axial foot filter 1/2" 8X10 (PVDF+WAX+CE)
074.0689.1	Axial foot filter 1/2" 8X10 (PP+EP+CE)
074.0579.1	Axial foot filter 1/2" 8x12 (PVDF+FP+CE)
074.0599.1	Axial foot filter 1/2" 8x12 (PVDF+EP+CE)
074.0740.1	Axial foot filter 1/2" 8X12 (PVDF+WAX+CE)
074.0696.1	Axial foot filter 1/2" 8X12 (PP+EP+CE)
074.0600.1	Axial foot filter 1/2" 12x18 (PVDF+FP+CE)
074.0601.1	Axial foot filter 1/2" 12x18 (PVDF+EP+CE)
074.0741.1	Axial foot filter 1/2" 12X18 (PVDF+WAX+CE)
074.0705.1	Axial foot filter 1/2" 12X18 (PP+EP+CE)
074.0655.1	Axial foot filter 1/2" 13X16 (PVDF+FP+CE)
074.0726.1	Axial foot filter 1/2" 13X16 (PVDF+EP+CE)
074.0736.1	Axial foot filter 1/2" 13X16 (PP+EP+CE)

HOSE HOLDING KIT

110.6843.1	3/8" 4X6 PUMP HEAD J/K/L/M PVDF
110.0979.1	3/8" 4X6 PUMP HEAD J/K/L/M PP
110.6844.1	1/2" 4X6 FILTER/INJECTION PVDF
110.0990.1	1/2" 4X6 FILTER/INJECTION PP
110.0974.1	1/2" 6X8 PUMP HEAD N-NA PVDF
110.1016.1	1/2" 6X8 PUMP HEAD N-NA PP
110.1028.1	1/2" 8X10 PUMP HEAD S-T PVDF
110.1107.1	3/4" 8X10 PUMP HEAD S-T PP
110.1021.1	3/4" 8X12 PUMP HEAD S-T PVDF
110.1039.1	3/4" 8X12 PUMP HEAD S-T PP
110.1023.1	3/4" 12X18-13X16 PUMP HEAD T PVDF
110.1068.1	3/4" 12X18-13X16 PUMP HEAD T PP
110.1025.1	1/2" 12X18-13X16 FILTER PVDF
110.1072.1	1/2" 12X18-13X16 FILTER PP

SELF VENTING KITS

025.0601.1	PCS 4x6 (PP+FP+CE)
025.0454.1	PCS 4x6 (PP+EP+CE)
025.0675.1	PCS 4x6 (PVDF+FP+CE)
025.0576.1	for pump head mod. B-C (PP+FP+CE)
025.0603.1	for pump head mod. B-C (PP+EP+CE)
025.0674.1	for pump head mod. B-C (PVDF+FP+CE)
025.0577.1	for pump head mod. D-E-F (PP+FP+CE)
025.0650.1	for pump head mod. D-E-F (PP+EP+CE)
025.0658.1	for pump head mod. D-E-F (PVDF+FP+CE)
025.0894.1	for pump head mod. I/L/M/J/K (PVDF + FP)
025.0895.1	for pump head mod. I/L/M/J/K (PVDF + EP)
025.1268.1	for pump head mod. I/L/M/J/K (PP + EP)
025.1315.1	for pump head mod. N/P/S/T (PP + EP)
025.1316.1	for pump head mod. N/P/S/T (PVDF + FP)
025.1317.1	for pump head mod. N/P/S/T (PVDF + EP)

LEVEL PROBE

076.0149.1	Axial level filter ½" (PVDF + FP)
076.0150.1	Axial level filter ½" (PVDF + EP)
076.0147.1	Level probe with axial foot filter ½" 4x6 N.O. contact (PVDF+FP+CE)
076.0148.1	Level probe with axial foot filter ½" 4x6 N.O. contact (PVDF+EP+CE)
076.0182.1	Level probe with axial foot filter 1/2" 4X6 (PVDF+WAX+CE) N.O.
076.0339.1	Level probe with axial foot filter 1/2" 4X6 (PP+EP+CE) N.O.
076.0198.1	Level probe with axial foot filter ½" 4x8 N.O. contact (PVDF+FP+CE)
076.0199.1	Level probe with axial foot filter ½" 4x8 N.O. contact (PVDF+EP+CE)
076.0218.1	Level probe with axial foot filter 1/2" 4X8 (PVDF+WAX+CE) N.O.
076.0367.1	Level probe with axial foot filter 1/2" 4X8 (PP+EP+CE) N.O.
076.0200.1	Level probe with axial foot filter ½" 6x8 N.O. contact (PVDF+FP+CE)
076.0201.1	Level probe with axial foot filter ½" 6x8 N.O. contact (PVDF+EP+CE)
076.0166.1	Level probe with axial foot filter ½" 6X8 (PVDF+WAX+CE) N.O.
076.0344.1	Level probe with axial foot filter ½" 6X8 (PP+EP+CE) N.O.
076.0202.1	Level probe with axial foot filter ½" 8x10 N.O. contact (PVDF+FP+CE)
076.0203.1	Level probe with axial foot filter ½" 8x10 N.O. contact (PVDF+EP+CE)
076.0408.1	Level probe with axial foot filter ½" 8x10 N.O. contact (PP+EP+CE)
076.0496.1	Level probe with axial foot filter ½" 8X10 (PVDF+WAX+CE) N.O.
076.0204.1	Level probe with axial foot filter ½" 8x12 N.O. contact (PVDF+FP+CE)
076.0205.1	Level probe with axial foot filter ½" 8x12 N.O. contact (PVDF+EP+CE)
076.0497.1	Level probe with axial foot filter ½" 8X12 (PVDF+WAX+CE) N.O.
076.0158.1	Level probe with axial foot filter ½" 8X12 (PP+EP+CE) N.O.
076.0206.1	Level probe with axial foot filter ½" 12x18 N.O. contact (PVDF+FP+CE)
076.0207.1	Level probe with axial foot filter ½" 12x18 N.O. contact (PVD+ EP+CE)
076.0498.1	Level probe with axial foot filter ½" 12X18 (PVDF+WAX+CE) N.O.
076.0331.1	Level probe with axial foot filter ½" 12X18 (PP+EP+CE) N.O.
076.0310.1	Level probe with axial foot filter ½" 13X16 (PVDF+FP+CE) N.O.
	Extraprice cable per meter

HOSES

049.0217.0	4x6	PE	2 mt
049.0042.0	4x6	PE	5 mt
049.0244.0	4x6	PE	10 mt
049.0496.0	4x6	PE	25 mt
049.0332.0	4x6	PE	50 mt
049.0331.0	4x6	PE	100 mt
049.0337.0	4x6	PE	200 mt
049.0241.0	6x8	PE	2 mt
049.0045.0	6x8	PE	5 mt
049.0281.0	6x8	PE	10 mt
049.0269.0	6x8	PE	25 mt
049.0437.0	6x8	PE	50 mt
049.0380.0	6x8	PE	200 mt
049.0464.0	8x10	PE	2 mt
049.0480.0	8x10	PE	5 mt
049.0479.0	8x10	PE	10 mt
049.0548.0	8x10	PE	25 mt
049.0495.0	8x10	PE	50 mt
049.0497.0	8x10	PE	100 mt
049.0250.0	8x12	PE	2 mt
049.0477.0	8x12	PE	5 mt
049.0270.0	8x12	PE	10 mt
049.0520.0	8x12	PE	25 mt
049.0482.0	8x12	PE	50 mt
049.0508.0	8x12	PE	200 mt
049.0237.0	4x6	PVC	2 mt
049.0272.0	4x6	PVC	5 mt
049.0339.0	4x6	PVC	10 mt
049.0359.0	4x6	PVC	25 mt
049.0363.0	4x6	PVC	50 mt
049.0333.0	4x6	PVC	100 mt
049.0247.0	8x12	PVC	2 mt
049.0440.0	8x12	PVC	5 mt
049.0340.0	8x12	PVC	10 mt
049.0330.0	8x12	PVC	25 mt
049.0500.0	8x12	PVC	50 mt
049.0236.0	4x6	PVDF	2 mt
049.0284.0	4x6	PVDF	5 mt
049.0273.0	4x6	PVDF	10 mt
049.0446.0	4x6	PVDF	25 mt
049.0483.0	4x6	PVDF	50 mt
049.0343.0	4x6	PVDF	100 mt
049.0488.0	4x6	PVDF	200 mt
049.0254.0	6x8	PVDF	2 mt

049.0366.0	6x8	PVDF	5 mt
049.0275.0	6x8	PVDF	10 mt
049.0510.0	6x8	PVDF	25 mt
049.0436.0	6x8	PVDF	50 mt
049.0381.0	6x8	PVDF	200 mt
049.0253.0	8x10	PVDF	2 mt
049.0312.0	8x10	PVDF	5 mt
049.0282.0	8x10	PVDF	10 mt
049.0525.0	8x10	PVDF	25 mt
049.0499.0	8x10	PVDF	50 mt
049.0405.0	8x10	PVDF	100 mt

SUCTION/DELIVERY VALVES

025.0459.1	Suction-delivery valve 3/8" 4x6 (PP+FP+CE)
025.0436.1	Suction-delivery valve 3/8" 4x6 (PP+EP+CE)
025.0424.1	Suction-delivery valve 3/8" 4x6 (PVDF+FP+CE)
025.0512.1	Suction-delivery valve 3/8" 4x8 (PP+FP+CE)
025.0571.1	Suction-delivery valve 3/8" 4x8 (PP+EP+CE)
025.0541.1	Suction-delivery valve 1/2" 6x8 (PP+FP+CE)
025.0437.1	Suction-delivery valve 1/2" 6x8 (PP+EP+CE)
025.0552.1	Suction-delivery valve 1/2" 6x8 (PVDF+FP+CE)
025.0591.1	Suction-delivery valve 1/2" 8x12 (PP+FP+CE)
025.0614.1	Suction-delivery valve 1/2" 8x12 (PP+EP+CE)
025.0554.1	Suction-delivery valve 1/2" 8x10 (PVDF+FP+CE)
025.0608.1	Suction-delivery valve 1/2" 12x18 (PP+EP+CE)
025.0615.1	Suction-delivery valve 1/2" 12x18 (PP+FP+CE)
025.0628.1	Suction-delivery valve 1/2" 13x16 (PVDF+FP+CE)
025.0717.1	Delivery valve 3/8" 4x6 (SS+FP+SS) (AISI 316L)
025.0824.1	Delivery valve 1/2" 6x8 (SS+FP+SS) (AISI 316L)
025.0825.1	Suction-delivery valve 1/2" 6x8 (SS+FP+SS) (AISI 316L)
025.0812.1	Delivery kit pump head I/L/K/M/J 4x6 (PVDF + FP + CE)
025.0907.1	Delivery kit pump head I/L/K/M/J 4x6 (PVDF + EP + CE)
025.0915.1	Delivery kit pump head J/K 4x8 (PVDF + FP + CE)
025.0916.1	Delivery kit pump head J/K 4x8 (PVDF + EP + CE)
025.1257.1	Delivery kit pump head M/K 6x8 (PVDF + FP + CE)
025.1258.1	Delivery kit pump head M/K 6x8 (PVDF + EP + CE)
025.0605.1	Delivery valve 3/8" 4x8 (FP+CE+SPRING)
025.0533.1	Delivery valve 3/8" 4x8 (EP+CE+SPRING)
025.0599.1	Delivery valve 1/2" 6x8 (FP+CE+SPRING)
025.0653.1	Delivery valve 1/2" 6x8 (EP+CE+SPRING)
025.0124.1	Suction-delivery valve 1/2" 8X12 (FP+CE+SPRING)
025.0826.1	Delivery valve 1/2" 8X12 (EP+CE+SPRING)
025.0811.1	Suction kit pump head I/L/K 4x6 (PVDF+FP+CE)
025.0906.1	Suction kit pump head I/L/K 4x6 (PVDF+EP +CE)
025.0913.1	Suction kit pump head J/K/L/M 4x8 (PVDF+FP+CE)
025.0914.1	Suction kit pump head J/K/L/M 4x8 (PVDF+EP+CE)
025.1255.1	Suction kit pump head I/J/L/M/K 6x8 (PVDF+FP+CE)
025.1256.1	Suction kit pump head M/K 6x8 (PVDF+EP+CE)
025.1042.1	Delivery kit pump head IA/LA/KA/MA/JA 4x6 (PVDF+F-P+CE+SPRING)
025.1259.1	Delivery kit pump head IA/LA/KA/MA/JA 4x6 (PVD-F+EP+CE+SPRING)
025.0927.1	Delivery kit pump head JA/KA 4x8 (PVDF+FP+CE+SPRING)
025.1260.1	Delivery kit pump head JA/KA 4x8 (PVDF+EP+CE+SPRING)
025.1261.1	Delivery kit pump head MA 6x8 (FP+CE+SPRING)
025.1358.1	Delivery kit pump head MA 6x8 (PVDF+FP+CE)
025.1262.1	Delivery kit pump head MA 6x8 (PVDF+EP+CE+SPRING)
025.1318.1	Suction kit pump head N/P 6x8 (PVDF+FP+CE)
025.1319.1	Suction kit pump head N/P 6x8 (PVDF+EP+CE)
025.1320.1	Suction kit pump head S/T 8x12 (PVDF+FP+CE)
025.1321.1	Suction kit pump head S/T 8x12 (PVDF+EP+CE)
025.1322.1	Suction kit pump head S/T 12x18 (PVDF+FP+CE)
025.1323.1	Suction kit pump head S/T 12x18 (PVDF+EP+CE)
025.1324.1	Delivery kit pump head N 6x8 (PVDF+FP+CE)
025.1325.1	Delivery kit pump head N 6x8 (PVDF+EP+CE)
025.1326.1	Delivery kit pump head NA 6x8 (PVDF+FP+CE+C276)
025.1327.1	Delivery kit pump head NA 6x8 (PVDF+EP+CE+C276)
025.1330.1	Delivery kit pump head S/T 8x10 (PVDF+FP+CE)
025.1331.1	Delivery kit pump head S/T 8x10 (PVDF+EP+CE)
025.1344.1	Delivery kit pump head S/T 12x18/13x16 (PVDF+FP+CE)
025.1345.1	Delivery kit pump head S/T 12x18/13x16 (PVDF+EP+CE)
025.1583.1	Suction kit pump head NM 12x18/13x16 (PVDF+FP+CE)
025.1584.1	Suction kit pump head NM 12x18/13x16 (PVDF+EP+CE)
025.1585.1	Suction kit pump head NM 8x12 (PVDF+FP+CE)
025.1586.1	Suction kit pump head NM 8x12 (PVDF+EP+CE)
025.1587.1	Suction kit pump head TM 12x18/13x16 (PVDF+FP+CE)
025.1588.1	Suction kit pump head TM 12x18/13x16 (PVDF+EP+CE)
025.1589.1	Suction kit pump head TM 18x22 (PVDF+FP+CE)
025.1590.1	Suction kit pump head TM 18x22 (PVDF+EP+CE)
025.1806.1	Suction-delivery kit pump head UM 1-1/2" (PVC+FP+GL)
025.1592.1	Delivery kit pump head NM 12x18/13x16 (PVDF+FP+CE)
025.1593.1	Delivery kit pump head NM 12x18/13x16 (PVDF+EP+CE)
025.1594.1	Delivery kit pump head NM 8X10 (PVDF+FP+CE)
025.1595.1	Delivery kit pump head NM 8X10 (PVDF+EP+CE)
025.1596.1	Delivery kit pump head TM 12x18/13x16 (PVDF+FP+CE)
025.1597.1	Delivery kit pump head TM 12x18/13x16 (PVDF+EP+CE)
025.1598.1	Delivery kit pump head TM 18x22 (PVDF+FP+CE)
025.1599.1	Delivery kit pump head TM 18x22 (PVDF+EP+CE)

EMPTY VALVES

025.0266.1	1/2" 4x6 PP+FP
025.0006.1	1/2" 6x8 PP+FP
025.0251.1	1/2" 8x12 PP+FP
025.0567.1	1/2" 4x6 PVDF+FP
025.0486.1	1/2" 6x8 PVDF+FP
025.1303.1	1/2" 8x12 PVDF+FP

SELF-VENTING KIT

025.0587.1	PCA (PP+FP+CE)
025.0586.1	PCA (PP+EP+CE)
025.0829.1	for pump head mod. A/AA 4x8 (PP+FP+PTFE)
025.0830.1	for pump head mod. A/B/C (PP+EP+CE)
025.0721.1	for pump head mod. BA/CA 4x6 (PP+FP+CE)
025.0827.1	for pump head mod. BA/CA 4x6 (PP+EP+CE)
025.0679.1	for pump head mod. DA (PP+FP+CE)
025.0708.1	for pump head mod. DA (PP+EP+CE)
025.0594.1	for pump head mod. EA/FA 8X10 (PVDF+FP+CE)
025.0828.1	for pump head mod. EA/FA (PP+EP+CE)
025.0926.1	for pump head mod. IA/LA/KA/MA/JA 4x6 (PVDF+FP+CE)
025.0910.1	for pump head mod. IA/LA/KA/MA/JA 4x6 (PVDF+EP+CE)
025.0909.1	for pump head mod. JA/KA 4x8 (PVDF+FP+CE)
025.1263.1	for pump head mod. JA/KA 4x8 (PVDF+EP+CE)
025.1266.1	for pump head mod. KA/MA 6x8 (PVDF+FP+CE)
025.1267.1	for pump head mod. MA 6x8 (PVDF+EP+CE)
025.1328.1	for pump head mod. NA 6x8 (PVDF+FP+CE)
025.1329.1	for pump head mod. NA 6x8 (PVDF+EP+CE)
025.1581.1	for pump head mod. SA/TA (PVDF+FP+CE)
025.1582.1	for pump head mod. SA/TA (PVDF+EP+CE)

INJECTION VALVE

073.0888.1	Injection valve 1/2" 4x6 (SS+FP+SS) (AISI 316L)

073.0889.1	Injection valve 1/2" 6x8 (SS+FP+SS) (AISI 316L)
073.1062.1	Complete injection valve 1/2" 4x6 (PVDF+FP+CE+C276)
073.1065.1	Complete injection valve 1/2" 4x6 (PVDF+EP+CE+C276)
073.1111.1	Complete injection valve 1/2" 4X6 (PVDF+WAX+CE)0,3 BAR
073.1390.1	Complete injection valve 1/2" 4X6 (PP+EP+CE)0,3 BAR
073.1078.1	Complete injection valve 1/2" 4x8 (PVDF+FP+CE+C276)
073.1137.1	Complete injection valve 1/2" 4x8 (PVDF+EP+CE+C276)
073.1167.1	Complete injection valve 1/2" 4X8 (PVDF+WAX+CE)0,3 BAR
073.1541.1	Complete injection valve 1/2" 4X8 (PP+EP+CE)0,3 BAR
073.1079.1	Complete injection valve 1/2" 6x8 (PVDF+FP+CE+C276)
073.1112.1	Complete injection valve 1/2" 6x8 (PVDF+EP+CE+C276)
073.1189.1	Complete injection valve 1/2" 6X8 (PVDF+WAX+CE)0,3 BAR
073.1495.1	Complete injection valve 1/2" 6X8 (PP+EP+CE)0,3 BAR
073.1080.1	Complete injection valve 1/2" 8x10 (PVDF+FP+CE+C276)
073.1135.1	Complete injection valve 1/2" 8x10 (PVDF+EP+CE+C276)
073.1337.1	Complete injection valve 1/2" 8X10 (PVDF+WAX+CE)0,3 BAR
073.1524.1	Complete injection valve 1/2" 8X10 (PP+EP+CE)
073.1081.1	Complete injection valve 1/2" 8x12 (PVDF+FP+CE+C276)
073.1136.1	Complete injection valve 1/2" 8x12 (PVDF + EP + CE + C276)
073.1606.1	Complete injection valve 1/2" 8X12 (PVDF+WAX+CE)0,3 BAR
073.1405.1	Complete injection valve 1/2" 8X12 (PP+EP+CE)0,3 BAR
073.1132.1	Complete injection valve 1/2" 12x18 (PVDF+FP+CE+C276)
073.1133.1	Complete injection valve 1/2" 12x18 (PVDF+EP+CE+C276)
073.1607.1	Complete injection valve 1/2" 12X18 (PVDF+WAX+CE)0,3 BAR
073.1542.1	Complete injection valve 1/2" 12X18 (PP+EP+CE)0,3 BAR
073.1214.1	Complete injection valve 3/4" 13x16 (PVDF+FP+CE+C276)
073.1215.1	Complete injection valve 3/4" 13x16 (PVDF+EP+CE+C276)
073.4618.1	Complete injection valve 3/4" 13x16 (PP+EP+CE) 0,3 BAR
073.1212.1	Complete injection valve 3/4" 8x10 (PVDF+FP+CE+C276)
073.1213.1	Complete injection valve 3/4" 8x10 (PVDF+EP+CE+C276)
073.1608.1	Complete injection valve 3/4" 8X10 (PVDF+WAX+CE) 0,3 BAR
073.4786.1	Complete injection valve 3/4" 8X10 (PP+EP+CE) 0,3 BAR
073.1292.1	Complete injection valve 3/4" 8X12 (PVDF+FP+CE) 0,3 BAR
073.1344.1	Complete injection valve 3/4" 8X12 (PVDF+EP+CE) 0,3 BAR
073.1543.1	Complete injection valve 3/4" 8X12 (PP+EP+CE) 0,3 BAR
073.0008.1	Complete injection valve 3/4" 12X18 (PVDF+FP+CE)
073.0009.1	Complete injection valve 3/4" 12X18 (PVDF+EP+CE)
073.1609.1	Complete injection valve 3/4" 12X18 (PVDF+WAX+CE)
073.1394.1	Complete injection valve 3/4" 12X18 (PP+EP+CE) 0,3 BAR
073.1610.1	Complete injection valve 3/4" 13X16 (PVDF+WAX+CE) 0,3 BAR

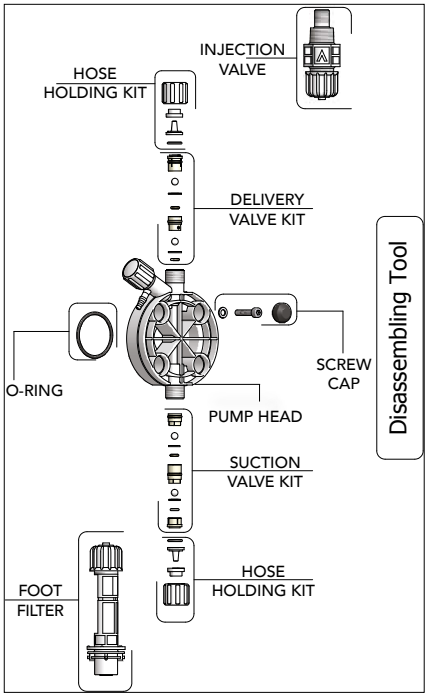
NB: Standard injection valves are tested to operate at 0,3 bar. Ask dealer for different values.

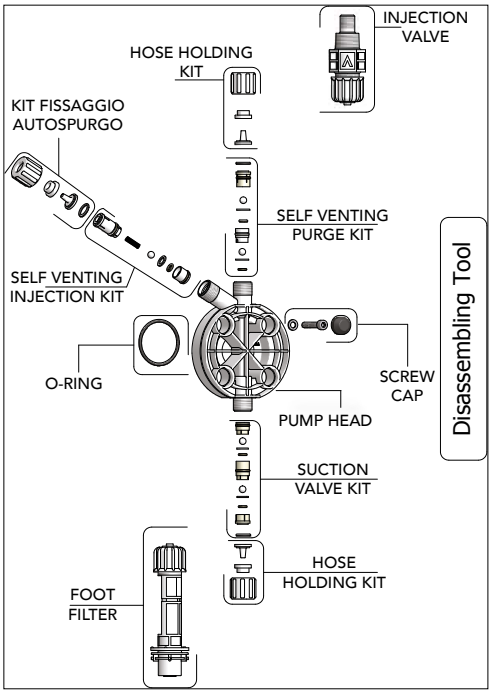
COMPLETE PUMP HEAD MAINTENANCE KITS

Use pump head code to order complete replacement kits. Kits are supplied into blistered packaging.

PVDF MAINTENANCE KIT	
110.0620.1	"J" PVDF+EP 4X8 V ASS.
110.0907.1	"J" PVDF+FP 4X8 V ASS.
110.0622.1	"JA" PVDF+EP 4X8 V ASS.
110.0623.1	"JA" PVDF+FP 4X8 V ASS.
110.0624.1	"K" PVDF+EP 4X6 V ASS.
110.0625.1	"K" PVDF+FP 4X6 V ASS.
110.6682.1	"K" PVDF+EP 6X8 V ASS.
110.0876.1	"K" PVDF+FP 6X8 V ASS.
110.0626.1	"KA" PVDF+EP 4X6 V ASS.
110.0627.1	"KA" PVDF+FP 4X6 V ASS.
110.6683.1	"KA" PVDF+FP 6X8 V ASS.
110.6684.1	"KA" PVDF+EP 6X8 V ASS.
110.9068.1	"I" PVDF+FP 4X6 K ASS.
110.0659.1	"I" PVDF+EP 4X6 K ASS. + RENFORCED
110.0658.1	"I" PVDF+FP 4X6 K ASS. + RENFORCED
110.0730.1	"IA" PVDF+EP 4X6 K ASS.+ RENFORCED
110.0680.1	"IA" PVDF+FP 4X6 K ASS.+ RENFORCED
110.0661.1	"L" PVDF+EP 4X6 K ASS.
110.0660.1	"L" PVDF+FP 4X6 K ASS.
110.6685.1	"L" PVDF+EP 4X6 K ASS. + RENFORCED
110.0955.1	"L" PVDF+FP 4X6 K ASS. + RENFORCED
110.0675.1	"L" PVDF+EP 4X6 AMS ASS. RENFORCED
110.0863.1	"L" PVDF+FP 4X6 AMS ASS. RENFORCED
110.0681.1	"L" PVDF+EP 4X6 T ASS. RENFORCED
110.0682.1	"L" PVDF+FP 4X6 T ASS. RENFORCED
110.0672.1	"LA" PVDF+EP 4X6 K ASS.
110.0664.1	"LA" PVDF+FP 4X6 K ASS.
110.0676.1	"LA" PVDF+EP 4X6 K ASS. RENFORCED
110.0677.1	"LA" PVDF+FP 4X6 K ASS. RENFORCED
110.0678.1	"LA" PVDF+EP 4X6 AMS ASS. RENFORCED
110.0679.1	"LA" PVDF+FP 4X6 AMS ASS. RENFORCED
110.0684.1	"LA PVDF+EP 4X6 T ASS. RENFORCED
110.0685.1	"LA PVDF+FP 4X6 T ASS. RENFORCED
110.0663.1	"M" PVDF+EP 6X8 K ASS
110.0662.1	"M" PVDF+FP 6X8 K ASS
110.0683.1	"M" PVDF+EP 4X6 AMS ASS + RENFORCED
110.0686.1	"M" PVDF+FP 4X6 AMS ASS + RENFORCED
110.0920.1	"M" PVDF+EP 6X8 AMS ASS + RENFORCED
110.0836.1	"M" PVDF+FP 6X8 AMS ASS + RENFORCED
110.0959.1	"MA" PVDF+EP 6X8 K ASS.
110.0665.1	"MA" PVDF+FP 6X8 K ASS
110.0687.1	"MA" PVDF+EP 4X6 AMS ASS. + RENFORCED
110.0864.1	"MA" PVDF+FP 4X6 AMS ASS. + RENFORCED
110.0688.1	"MA" PVDF+EP 6X8 AMS ASS. + RENFORCED
110.0914.1	"MA" PVDF+FP 6X8 AMS ASS. + RENFORCED
110.0689.1	"N" PVDF+EP 6X8 AMS/T
110.0690.1	"N" PVDF+FP 6X8 AMS/T
110.0865.1	"NA" PVDF+EP 6X8 AMS/T
110.0957.1	"NA" PVDF+FP+CE 6X8 AMS/T
110.0925.1	"S" PVDF+EP 8X10/8X12 AMS/T
110.0924.1	"S" PVDF+FP 8X10/8X12 AMS/T
110.0691.1	"SA" PVDF+EP 8X10/8X12 AMS/T
110.0692.1	"SA" PVDF+FP 8X10/8X12 AMS/T
110.0693.1	"T" PVDF+EP 8X10/8X12 AMS
110.0694.1	"T" PVDF+FP 8X10/8X12 AMS
110.0695.1	"TA" PVDF+EP 8X10/8X12 AMS
110.0696.1	"TA" PVDF+FP 8X10/8X12 AMS

PP MAINTENANCE KIT	
110.0514.1	"PCS" PP+FP
110.0532.1	"PCS" PP+EP
110.0538.1	"BA" PP+FP 4x6 H/K pump
110.0556.1	"BA" PP+EP 4x6 H/K pump
110.0611.1	"PCS" PP+WAX
110.0728.1	"G" PP+FP 6x8 H/K pump
110.0936.1	"I" PP+EP 4X6 K ASS. + RENFORCED
110.0954.1	"L" PP+EP 4X6 K ASS.
110.0958.1	"LPV" PP+FP 8X12
110.0969.1	"LA" PP+EP 4X6 K ASS. + RENFORCED
110.6227.1	"IA" PP+EP 4X6 K ASS. + RENFORCED
110.6676.1	"M" PP+EP 6X8 K ASS.
110.6678.1	"K" PP+EP 4X6 V ASS.
110.6679.1	"B" PP+FP 4X6 H/K ASS.
110.6699.1	"K" PP+EP+SS 4X6 V ASS.
110.6711.1	"L" PP+WAX+SS 4X6 K ASS.
110.6720.1	"T" PP+EP 12X18 AMS
110.6757.1	"N" PP+EP 8X12 AMS/T
110.6761.1	"K" PP+WAX 4X6 V ASS.
110.6764.1	"N" PP+EP 6X8 AMS/T
110.6782.1	"L" PP+EP 4X6 K ASS. + RENFORCED
110.6813.1	"T" PP+EP 12X18 AMS
110.6821.1	"T" PP+EP 8X12 AMS
110.6827.1	"S" PP+EP 8X12 AMS/T
110.6837.1	"I" PP+EP 4X8 K ASS. + RENFORCED
110.8035.1	"LA" PP+EP 4X6 K ASS.
110.9042.1	"I" PP+FP 4X8 K + RENFORCED
110.9043.1	"L" PP+FP 4X6 K ASS. + RENFORCED
110.9044.1	"I" PP+FP 4X6 K ASS. + RENFORCED


INJECTION VALVE
HOSE HOLDING KIT
DELIVERY VALVE KIT
SCREW CAP
O-RING
PUMP HEAD
SUCTION VALVE KIT
HOSE HOLDING KIT
FOOT FILTER
Disassembling Tool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HOSE HOLDING KIT
KIT FISSAGGIO AUTOSPURGO
SELF VENTING PURGE KIT
SELF VENTING INJECTION KIT
O-RING
SCREW CAP
PUMP HEAD
SUCTION VALVE KIT
HOSE HOLDING KIT
FOOT FILTER
Disassembling Tool

Series\LOTUS MINI

Chlorine dioxide generator from 8 to 20 g/h

technical data
manuals
datasheets
exploded-views

LOTUS MINI system produces, doses and controls Chlorine Dioxide for water disinfection.
Chlorine Dioxide is produced from diluted base chemicals: Hydrochloric Acid (HCl 9%) and Sodium Chlorite ($NaClO_2$ 7,5%), react together in a reaction chamber to form the chlorine dioxide required.
Chlorine dioxide produced by LOTUS MINI is set to be proportional to the circulating water flow or based on a set-point – it is then dosed into the water flow. There is no storage of chlorine dioxide therefore there is no chlorine dioxide gas or concentrated solutions outside of the process application.
Multi function valves on the injection points ensure the security of the reaction chamber.
The base chemicals are stored in tanks and fed into the reaction chamber through suction lances. Integrated level switches automatically stop the pumps when the tanks are empty.

ERMES

Modbus

ALARMS

- sepr alarm
- chlorine dioxide sensor alarm
- reactor leakage alarm

INPUTS

- sefl input
- stand-by input
- levels inputs
- temperature input
- probes inputs

OUTPUTS

- pumps output
- RS485 output
- 0-4/20 mA output
- alarm output

FEATURES

- Instantaneous ClO_2 production
- ClO_2 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)
- Service due date
- LOTUS control instrument
- ClO_2 probe reading (LOTUS MINI SVCL2 - LOTUS MINI SVCL17)
- Temperature probe reading (probe and accessories not included)
- mV probe reading (LOTUS MINI ERH)
- HCl (red) and $NaClO_2$ (blue) metering pumps
- Pump for dilution water (grey)
- 3 SEFL flow sensors as security
- MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed valve
- PVC reaction chamber
- ASA (Acrylonitrile Styrene Acrylate) enclosure
- IP65 protection (NEMA4x) of LOTUS control instrument
- ENCODER wheel control
- Working temperature: 0-45°C (32-110°F)
- mA output

Series \ LOTUS MINI
Basic models

LOTUS MINI 8

Max capacity ClO_2
8 g/h

Max pressure
8 bar

Max chemical consumption
0.2 l/h / 0.2 l/h

LOTUS MINI 20

Max capacity ClO_2
20 g/h

Max pressure
8 bar

Max chemical consumption
0.5 l/h / 0.5 l/h

	B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■ LOTUS MINI 8 2 l configuration	■	■	■	■	■
■ LOTUS MINI 20	■	■	■	■	■

	GAS SENSOR option
	■

LOTUS MINI 8 WITH PROBE

2 | configuration

ERH PROBE				
B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

LOTUS MINI 20 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

Series\LOTUS MAXI

Chlorine dioxide generator from 80 to 1000 g/h

technical data
manuals
datasheets
exploded-views

LOTUS MAXI is the largest product of our Chlorine Dioxide generators, is used in all those cases in which there is need of a big production, such as large water treatment plants.
Chlorine Dioxide is produced from diluted base chemicals: Hydrochloric Acid (HCl 9%) and Sodium Chlorite ($NaClO_2$ 7,5%), react together in a reaction chamber to form the chlorine dioxide required.

There is no storage of chlorine dioxide therefore there is no chlorine dioxide gas or concentrated solutions outside of the process application.
Chlorine dioxide produced by LOTUS MAXI is set to be proportional to the circulating water flow or based on a setpoint, it is then dosed into the water flow.

ERMES

Modbus

ALARMS

- sepr alarm
- chlorine dioxide sensor alarm
- reactor leakage alarm

INPUTS

- sefl input
- stand-by input
- levels inputs
- temperature input
- probes inputs

OUTPUTS

- pumps output
- RS485 output
- 0-4/20 mA output
- alarm output

FEATURES

- Instantaneous ClO_2 production
- ClO_2 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)
- Service due date
- LOTUS control instrument
- HCl (red) and $NaClO_2$ (blue) metering pumps
- Pump for dilution water (grey)
- 3 SEFL flow sensors as security
- MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed valve
- PVC reaction chamber
- IP65 protection (NEMA4x) of LOTUS control instrument
- ENCODER wheel control
- Working temperature: 0-45°C (32-110°F)
- mA output
- ClO2 probe reading (LOTUS MAX SVCL2 - LOTUS MAXI SVCL17)
- Temperature probe reading (probe and accessories not included)
- mV probe reading (LOTUS MAXI ERH)

Series \ LOTUS MAXI
Basic models

LOTUS MAXI 80

ClO_2 max capacity
80 g/h

Max pressure
8 bar

Max chemical consumption
2 l/h - HCl
2 l/h - $NaClO_2$

LOTUS MAXI 160

ClO_2 max capacity
160 g/h

Max pressure
8 bar

Max chemical consumption
4 l/h - HCl
4 l/h - $NaClO_2$

LOTUS MAXI 240

ClO_2 max capacity
240 g/h

Max pressure
8 bar

Max chemical consumption
6 l/h - HCl
6 l/h - $NaClO_2$

LOTUS MAXI 400

ClO_2 max capacity
400 g/h

Max pressure
8 bar

Max chemical consumption
10 l/h - HCl
10 l/h - $NaClO_2$

LOTUS MAXI 600

ClO_2 max capacity
600 g/h

Max pressure
5 bar

Max chemical consumption
15 l/h - HCl
15 l/h - $NaClO_2$

LOTUS MAXI 1000

ClO_2 max capacity
1000 g/h

Max pressure
4 bar

Max chemical consumption
25 l/h - HCl
25 l/h - $NaClO_2$

	B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■ LOTUS MAXI 80 2 l configuration	■	■	■	■	■
■ LOTUS MAXI 160	■	■	■	■	■
■ LOTUS MAXI 240	■	■	■	■	■
■ LOTUS MAXI 400	■	■	■	■	■
■ LOTUS MAXI 600	■	■	■	■	■
■ LOTUS MAXI 1000	■	■	■	■	■

GAS SENSOR option
■

LOTUS MAXI 80 WITH PROBE

2 | configuration

ERH PROBE

B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

LOTUS MAXI 160 WITH PROBE

2 | configuration

ERH PROBE

■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

LOTUS MAXI 240 WITH PROBE

2 | configuration

ERH PROBE

■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

LOTUS MAXI 400 WITH PROBE

2 | configuration

ERH PROBE

■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

LOTUS MAXI 600 WITH PROBE

2 | configuration

ERH PROBE

■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

LOTUS MAXI 1000 WITH PROBE

2 | configuration

ERH PROBE

■	■	■	■	■

SVCL2 PROBE

■	■	■	■	■

SVCL17 PROBE

■	■	■	■	■

Series\LOTUS ULTRA

Chlorine dioxide generator from 1 to 4 Kg/h

technical data
manuals
datasheets
exploded-views

LOTUS ULTRA is the largest product of our Chlorine Dioxide generators, is used in all those cases in which there is need of a bigger production, such as very large water treatment plants.
Chlorine Dioxide is produced from concentrated base chemicals: Hydrochloric Acid (HCl 33%) and Sodium Chlorite ($NaClO_2$ 25%), react together in a reaction chamber to form the chlorine dioxide required. There is no storage of chlorine dioxide therefore there is no chlorine dioxide gas or concentrated solutions outside of the process application.
Chlorine dioxide produced by LOTUS ULTRA is set to be proportional to the circulating water flow or based on a setpoint, it is then dosed into the water flow.

ERMES

Modbus

ALARMS

- sepr alarm
- chlorine dioxide sensor alarm
- reactor leakage alarm

INPUTS

- sefl input
- stand-by input
- levels inputs
- temperature input
- probes inputs

OUTPUTS

- pumps output
- RS485 output
- 0-4/20 mA output
- alarm output

FEATURES

- Instantaneous ClO_2 production
- ClO_2 dosing in proportional mode
- Flow control input (flow alarm)
- Tank level controls (level alarms)
- Water meter input
- Stand-by input
- Real time production data
- ClO_2 probe reading (LOTUS ULTRA SVCL2 - LOTUS ULTRA SVCL17)
- Temperature probe reading (probe and accessories not included)
- mV probe reading (LOTUS ULTRA ERH)
- Pumps and SEFL flow sensors monitoring
- Permanent data storage with system data log (on Logbook menu)
- Service due date
- LOTUS control instrument
- HCl (red) and $NaClO_2$ (blue) metering pumps
- 2 pumps for dilution water (grey)
- 4 SEFL flow sensors as security
- MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed valve PVDF reaction chamber
- IP65 protection (NEMA4x) of LOTUS control instrument
- ENCODER wheel control
- Working temperature: 0-45°C (32-110°F)
- mA output

Series \ LOTUS ULTRA
Basic models

LOTUS ULTRA 1

ClO_2 max capacity
1000 g/h

LOTUS ULTRA 2

ClO_2 max capacity
2000 g/h

LOTUS ULTRA 3

ClO_2 max capacity
3000 g/h

LOTUS ULTRA 4

ClO_2 max capacity
4000 g/h

LOTUS ULTRA 1
2 l configuration

B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■	■	■	■	■
LOTUS ULTRA 2				
■	■	■	■	■
LOTUS ULTRA 3				
■	■	■	■	■
LOTUS ULTRA 4				
■	■	■	■	■

GAS SENSOR option
■

LOTUS ULTRA 1 WITH PROBE

2 | configuration

ERH PROBE				
B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

LOTUS ULTRA 2 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

LOTUS ULTRA 3 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

LOTUS ULTRA 4 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

GAS SENSOR option
■

Series\LOTUS AIR

Pressure-less chlorine dioxide generator from 10 to 60 g/h

technical data
manuals
datasheets
exploded-views

The LOTUS AIR pressure-less system produces, doses and controls Chlorine Dioxide for water disinfection basing on the circulating water.
It can be equipped with a ClO_2 probe (SVCL2 or SVCL17) or a mV probe (ERH), a probe holder and a filter.
There is no requirement to handle chlorine dioxide as a gas, but instead two diluted 'precursor' chemicals, Hydrochloric Acid (HCl 9%) and Sodium Chlorite ($NaClO_2$ 7,5%), react together in a reaction chamber to form the chlorine dioxide required. The reaction process of LOTUS AIR takes place at ATMOSPHERIC PRESSURE. Chlorine dioxide produced by LOTUS AIR is stocked into a tank and then dosed proportionally to the request. A multifunction valve guarantees the safety of the process.
Dosing is proportional to the volumetric flow rate. Chlorine dioxide is produced in a BATCH process.
An active carbon filter prevents from potential exhalations.

ERMES

Modbus

ALARMS

- product alarm
- product filling times alarm
- reactor levels alarm
- chlorine dioxide sensor alarm
- sepr alarm
- reading thresholds alarm

INPUTS

- water meter input
- stand-by input
- levels inputs
- 0-4/20 mA input
- probes inputs

OUTPUTS

- 0-4/20 mA output
- alarm output
- RS485 output

FEATURES

- BATCH chlorine dioxide production
- ClO_2 dosing in proportional mode
- Multi-point injection
- Alarms: products, water, emptying
- Water meter input
- Stand-by input
- Real time production data
- ClO_2 probe reading (LOTUS AIR SVCL2 - LOTUS AIR SVCL17)
- Temperature probe reading (probe and accessories not included)
- mV probe reading (LOTUS AIR ERH)
- Pumps and SEFL flow sensors monitoring
- Service due date
- LOTUS AIR control instrument
- ERMES communication ClO_2 concentration measure
- PVDF ball valve for reaction chamber empty
- ClO_2 concentration: 2 gr/l (0,2%)
- LOTUS AIR control instrument
- 3 metering pumps: red HCl pump, blue NaClO2 pump and grey
- ClO2 pump
- Multifunction valve (MFKT/V)
- Double chamber: reaction and storage
- ASA (Acrylonitrile Styrene Acrylate) or fiberglass (Lotus Air 30/60 models) enclosure
- IP65 protection (NEMA4x) of LOTUS control instrument
- ENCODER wheel control
- Working temperature: 0-45°C (32-110°F)

Series\LOTUS AIR
Basic models

LOTUS AIR 10

ClO_2 max capacity per hour
10 g/h

ClO_2 max capacity per day
240 g/die

Max chemicals consumption
0,250 l/h - HCl
0,250 l/h - $NaClO_2$

Dilution water consumption
5 l/h

Max pressure (feed water)
2 bar

Max pressure ClO_2 pump
8 bar

LOTUS AIR 30

ClO_2 max capacity per hour
30 g/h

ClO_2 max capacity per day
720 g/die

Max chemicals consumption
0,750 l/h - HCl
0,750 l/h - $NaClO_2$

Dilution water consumption
15 l/h

Max pressure (feed water)
3 bar

Max pressure ClO_2 pump
5 bar

LOTUS AIR 60

ClO_2 max capacity per hour
60 g/h

ClO_2 max capacity per day
1440 g/die

Max chemicals consumption
1,5 l/h - HCl
1,5 l/h - $NaClO_2$

Dilution water consumption
30 l/h

Max pressure (feed water)
3 bar

Max pressure ClO_2 pump
5 bar

- **LOTUS AIR 10**
  2 l configuration
- **LOTUS AIR 30**
- **LOTUS AIR 60**

B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
■	■	■	■	■
■	■	■	■	■
■	■	■	■	■

GAS SENSOR option
■

■ LOTUS AIR 10 WITH PROBE

2 | configuration

B - BASIC	E - ETHERNET	G - GSM	W - WIFI	S - MODBUS
ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

■ LOTUS AIR 30 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

■ LOTUS AIR 60 WITH PROBE

ERH PROBE				
■	■	■	■	■
SVCL2 PROBE				
■	■	■	■	■
SVCL17 PROBE				
■	■	■	■	■

GAS SENSOR option
■

Series\LOTUS EASY
Chlorine dioxide generator from 8 to 80 g/h

technical data
manuals
datasheets
exploded-views

LOTUS EASY system produces, doses and controls Chlorine Dioxide for water disinfection.
Chlorine Dioxide is produced from diluted base chemicals: Hydrochloric Acid (HCl 9%) and Sodium Chlorite ($NaClO_2$ 7,5%), react together in a reaction chamber to form the chlorine dioxide required.
Chlorine dioxide produced by LOTUS EASY is set to be proportional to the circulating water flow.
There is no storage of chlorine dioxide therefore there is no chlorine dioxide gas or concentrated solutions outside of the process application.
Multi function valves on injection points ensure security of the reaction chamber.

ALARMS

- sefl alarm
- bypass alarm
- acid/chlorine level alarm
- acid/chlorine sefl alarm

INPUTS

- mA input
- stand-by input
- acid/chlorine level input
- bypass input
- acid/chlorine sefl input
- water meter input

OUTPUTS

- alarm output

FEATURES

- Instantaneous ClO2 production
- ClO_2 dosing in PROPORTIONAL mode
- Level alarms
- Water meter input
- Stand-by input
- Real time production data
- Pumps and SEFL flow sensors monitoring
- Service due date
- Main voltage control
- Out of range voltage alarm
- By-pass input
- mA (0-20mA) input

Series\LOTUS EASY
Basic models

LOTUS EASY 8

ClO_2 max capacity
8 g/h

ClO_2 max capacity
192 g/die

Max chemicals consumption
0,2 l/h - HCl
0,2 l/h - $NaClO_2$

Max pressure
8 bar

LOTUS EASY 20

ClO_2 max capacity
20 g/h

ClO_2 max capacity
480 g/die

Max chemicals consumption
0,5 l/h - HCl
0,5 l/h - $NaClO_2$

Max pressure
8 bar

LOTUS EASY 40

ClO_2 max capacity
40 g/h

ClO_2 max capacity
960 g/die

Max chemicals consumption
1 l/h - HCl
1 l/h - $NaClO_2$

Max pressure
8 bar

LOTUS EASY 80

ClO_2 max capacity
80 g/h

ClO_2 max capacity
1920 g/die

Max chemicals consumption
2 l/h - HCl
2 l/h - $NaClO_2$

Max pressure
8 bar

- LOTUS EASY 8
- LOTUS EASY 20
- LOTUS EASY 40
- LOTUS EASY 80

LOTUS ACCESSORIES AND SPARE PARTS

CHLORINE DIOXIDE GAS SENSOR

code	model	description
10870671	**GAS SENSOR**	Sensor for chlorine dioxide gas detection.

STATIC MIXER

code	model	description
10860771	**MIX STATICO 1 1/4"**	PVC static mixer with PP mixing elements. 1 1/4" thread. Inspectionable. 1/2" injection valve - 4x6 / 0,3 bar.

SS FILTER

code	model	description
03300500	**SS FILTER**	1/2" stainless steel filter for hot water.

INJECTION VALVE

code	model	description
07310621	**INJECTION VALVE**	0,3 bar, PVDF body, FP oring, 1/2" 4x6
07310791	**INJECTION VALVE**	0,3 bar, PVDF body, FP oring, 1/2" 6x8

MULTIFUNCTION VALVE

code	model	description
10821551	**MFKTS/V**	PVDF body, FKM B oring, 1/2" 4x6 or 4x8
10870391	**MFKTS/V**	PVDF body, FKM B oring, 1/2" 6x8

SPARE VALVES FOR LOTUS AIR 10 G/H

code	model	description
02900671	**SPARE VALVES FOR LOTUS AIR 10 G/H**	3/8" empty valve PVDF+FP
02901781	**SPARE VALVES FOR LOTUS AIR 10 G/H**	3/8" delivery valve PVDF+FP+CE+spring
02900771	**SPARE VALVES FOR LOTUS AIR 30-60 G/H**	1/2" delivery valve PVDF+FP+CE 0,3 bar spring

SPARE VALVES FOR LOTUS AIR 30-60 G/H

code	model	description
02900661	**SPARE VALVES FOR LOTUS AIR 30-60 G/H**	1/2" empty valve PVDF+FP
02900771	**SPARE VALVES FOR LOTUS AIR 30-60 G/H**	1/2" delivery valve PVDF+FP+CE 0,3 bar spring

WATER SOLENOID VALVE

code	model	description
02300721	**WATER SOLENOID VALVE**	Stainless steel body, 1/4" N.C. 230 VAC Max pressure 10 bar.

CHLORINE DIOXIDE SOLENOID VALVE FOR LOTUS AIR

code	model	description
02300861	**LOTUS AIR 10G/H SOLENOID VALVE**	Chlorine dioxide solenoid valve for Lotus Air 10g/h: PVC body, 1/2"N.C. DN10, 230 VAC 50Hz coil - 9 V/A, Max pressure 10 bar
02300871	**LOTUS AIR 30-60G/H SOLENOID VALVE**	Chlorine dioxide solenoid valve for Lotus Air 30-60g/h: PVC body, 1/2"N.C. DN10, 230 VAC 50Hz-9 V/A, Max press. 10 bar

MAINTENANCE KITS

code	model	description
11092251	**MAINTENANCE KIT LOTUS AIR 10**	Maintenance kit for Lotus Air 10 model
11092271	**MAINTENANCE KIT LOTUS AIR 30**	Maintenance kit for Lotus Air 30 model
11092281	**MAINTENANCE KIT LOTUS AIR 60**	Maintenance kit for Lotus Air 60 model
11092771	**MAINTENANCE KIT LOTUS MAXI**	Maintenance kit for Lotus Maxi 80 / 160 / 240 models

FLOW SENSOR

code	model	description
SEFL V530020NX000	**SEFL/V**	Flow sensor for Lotus: PVDF body, FKM B oring.

ACTIVE CARBON FILTER

code	model	description
03300450	**CARBON FILTER**	Active carbon filter for reduction reaction gases. Connections: 1/4".

LEVEL PROBE

code	model	description
07603851	**LEVEL PROBE FOR STORAGE TANKS (10GR)**	Level probe for storage tanks (10gr)
07605451	**LEVEL PROBE FOR STORAGE TANKS (30GR)**	Level probe for storage tanks (30gr)
07605471	**LEVEL PROBE FOR STORAGE TANKS (60GR)**	Level probe for storage tanks (60gr)
07603841	**LEVEL PROBE KIT FOR REACTOR (10GR)**	Level probe kit for reactor (10gr)
07605441	**LEVEL PROBE KIT FOR REACTOR (30GR)**	Level probe kit for reactor (30gr)
07605461	**LEVEL PROBE KIT FOR REACTOR (60GR)**	Level probe kit for reactor (60gr)

SUPPORT FRAME

code	model	description
03107340	**SUPPORT FRAME**	Stainless steel support frame for Lotus Air 30-60g/h

NOTES

POWER SUPPLY

LD, J DIGITAL, JA and DIN are available with 230 VAC, 115 VAC and 24 VAC power supply without extra price.

MTOWER and LD ENCODER are available with 90-240 VAC. 12/24 VDC power supply extra price:
• for controllers with internal modem (GSM Configuration);
• for controllers without internal modem.

GALVANIC ISOLATION

All controllers have galvanic isolation on current output.

TEMPERATURE COMPENSATION

All controllers are provided with automatic or manual temperature compensation.

ERMES
EMEC online control system

technical data
manuals
datasheets
exploded-views

Web application ERMES allows plants remote control: read, analize and modify controllers parameters from PC, smartphone or tablet.

PLUS

- It reduces plant intervention and inspections.
- It reports on the current status of the network's devices and connections (probes, outputs, alarms, setpoints)
- It instantly gives notification of alarms by sms or email
- It generates an up to date report of all plant controllers
- It can display the controllers activity log as line graphs and charts and it can download it to your pc in excel or pdf format

HOW TO USE ERMES

Enter the website www.ermes-server.com and, after registration, set your plants.
EMEC controllers with ETHERNET or GSM/GPRS Configuration will be immediatly connected and available for remote control.
Furthermore, with ERMES you can receive alarm messages via email, with different report option on instrument status.
If your instrument has a GSM Configuration you can receive SMS report on your mobile.

CONFIGURATIONS

	PLUS	WHEN	REQUIREMENTS	FUNCTIONS
BASIC	/	For local control only	/	RS485 output to link other EMEC instruments or a PC
ADVANCED USB	USB output	You do not need a PC on your plant: you can download data log on a USB device	/	RS485 output to link other EMEC instruments or a PC Data Log on USB device
ETHERNET	LAN network between instrument and web	Remote control via WEB ERMES	LAN wiring (RJ-45)	RS485 output to link other EMEC instruments or a PC Web ERMES remote control (PC, smartphone or tablet) Alarm messages via email
GSM	GSM modem between instrument and web	Remote control via WEB ERMES	Network coverage	RS485 output to link other EMEC instruments or a PC Web ERMES remote control (PC, smartphone or tablet) Alarm messages via email Alarm messages via SMS
WIFI	WIFI network between instrument and web	Remote control via WEB ERMES	Network coverage	RS485 output to link other EMEC instruments or a PC Web ERMES remote control (PC, smartphone or tablet) Alarm messages via email
MODBUS	Connection to other devices (PLC) via RS485	PLC plant management	/	PLC connection output for reading and modifying parameters

You can **CUSTOMIZE** configurations adding external modules.

MIXED CONFIGURATIONS allows to connect controllers to ERMES software in multiple ways: directly, locally and remotely. Those configurations extend connection capacity.
If you already use EMEC controllers and you want use ERMES web application, contact our **customers service**.

Communication protocol for EMEC controllers with other devices

Modbus is a serial communication protocol for connecting emec controllers to other devices on RS485 network.
It has become a "de facto" standard in industrial communication, and is currently one of the most common protocols for electronic devices connection.
Modbus configuration must be requested when ordering.

Modems/External devices
Remote control

BT CEL / BT ETH / BT USB / BT WIFI / BT MODBUS
Modems (RS485 interface) for EMEC controllers. Indoor use. Place them close to Ethernet access point or under GSM or WIFI coverage.
BT CEL-2IN: GSM modem. Place it under GSM coverage.

model	description	12-24 VDC
BT CEL - 2IN [1]	GSM Modem with 2 input.	/
BT CEL GSM	Mobile modem module.	■
BT ETH	Ethernet module.	■
BT MODBUS	MODBUS module.	/
BT USB	USB module.	■
BT WIFI	WIFI module.	/

[1] GSM connection without data traffic (ERMES).

Series\LDS PLUS
Single reading system with PID regulation

technical data
manuals
datasheets
exploded-views

LDS PLUS control instruments are a series of single reading digital systems with PID regulation that meet a wide range of applications. LDS PLUS has: easy control by encoder wheel, flow control, local & remote control, ERMES web communication, permanent data storage with system log, PT100 temperature probe, stand-by input, water meter input, alarms, programmable delay at dosing start-up (up to 60 minutes), automatic temperature compensation, probe readout menu (LDSCDIND PLUS), different working modes (on/off, impulsive proportional, proportional PWM and fixed PWM, PID), automatic or manual dosing activity, mA output, mA water meter input (optional), probe cleaning and 5 relais (2 setpoint; alarm; probe cleaning; circulation).

ERMES

Modbus

ALARMS

- general alarm
- no water flow alarm
- out of range alarm
- level alarm
- max dosing alarm
- damaged probe alarm

INPUTS

- product level inputs
- flow input
- mA water meter input
- temperature probe input
- stand-by input

OUTPUTS

- alarm output
- mA outputs
- proportional outputs
- set points outputs
- relay outputs
- opto coupled output

SETTING p.124

2 | configuration

B - BASIC	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI	S - MODBUS
■	■	■	■	■	■

mA water meter input	12VDC or 24VDC power supply
■	■

LED strip
■

- input and output shown in red are to be considered as optional.

model	channel 1			
LDSPH PLUS				
1 | code **LDSPHP**	pH			
	6 | 1 probe | EPH	compensation | pH in Temperature - ECL6	range | 0-14 pH	p.174
LDSRH PLUS				
1 | code **LDSRHP**	ORP			
	6 | 2 probe | ERH	compensation | -	range | 0/1000 mV	p.175
LDSCL PLUS				
1 | code **LDSCLP**	Chlorine (total, free and combined)			
	6 | 4/T probe | ECL/SCL	compensation | Chlorine in Temperature	range | depending on probe	p.172/173
	Bromine			
	6 | T probe | SBR	compensation | Chlorine in Temperature	range | 0,20 ml/l	p.173
	Chlorine Dioxide			
	6 | T probe | SCL2	compensation | Chlorine in Temperature	range | depending on probe	p.173
	Hydrogen peroxyde			
	6 | T probe | SCL9	compensation | Chlorine in Temperature	range | depending on probe	p.173
	Ozone			
	6 | T probe | SCL10	compensation | Chlorine in Temperature	range | depending on probe	p.173
	Peracetic Acid			
	6 | T probe | SCL11	compensation | Chlorine in Temperature	range | depending on probe	p.173
LDSCD PLUS				
1 | code **LDSCDP**	Conductivity			
	6 | 5 probe | ECD/EICD	compensation | Conductivity in Temperature	range | 0/300,0 µS 0/3000 µS 0/30,00 mS 0/300,0 mS	p.176/179
LDSCDIND PLUS				
1 | code **LDSCDIP**	Inductive conductivity			
	6 | 8 probe | ECDIND	compensation | Conductivity in Temperature	range | 0/3,000 mS 0/30,00 mS 0/300,0 mS	p.180
LDSETORB2 PLUS				
1 | code **LDSTORP**	Turbidity			
	6 | R probe | ETORB2-A	compensation | -	range | 0/4000 NTU	p.182
LDSDO PLUS				
1 | code **LDSDOP**	Dissolved oxygen			
	6 | 7 probe | EOLUM	compensation | Temperature and pressure	range | 20 mg/l O_2	p.181
LDSTRC PLUS				
1 | code **LDSTRCP**	Tracers			
	6 | F probe | ETRC2	compensation | -	range | 0/9999,9 ppm	p.182
LDSFL PLUS				
1 | code **LDSFLP**	Fluoride			
	6 | P probe | EFL	compensation | Temperature	range | conc. 0/3,00 ppm (0,01 ppm) mV 0/1000,00 ppm (0,01 ppm)	p.180

Series\LDS
Single reading system with setpoints

technical data
manuals
datasheets
exploded-views

LDS control instruments are a series of single reading controllers that meet a wide range of applications.
LDS has: easy control by encoder wheel, flow control, local & remote control, ERMES web communication, permanent data storage with system log, PT100 temperature probe, stand-by input, alarms, programmable delay at dosing start-up (up to 60 minutes), automatic temperature compensation, probe readout menu (LD-SCDIND), different working modes (on/off, impulsive proportional, proportional PWM and fixed PWM), automatic or manual dosing activity and mA output (optional).

ERMES

Modbus

ALARMS

general alarm
no water flow alarm
out of range alarm
level alarm
max dosing alarm
damaged probe alarm

INPUTS

product level inputs
flow input
temperature probe input
stand-by input

OUTPUTS

alarm output
proportional outputs
relay outputs
mA output

SETTING p.124

2 | configuration

B - BASIC (+MODBUS)	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI
■	■	■	■	■

mA output	12VDC or 24VDC power supply	LED strip
■	■	■

- input and output shown in red are to be considered as optional.

model	channel 1			
LDSPH				
1 | code **LDSPH**	pH			
	6 | 1 probe | EPH	compensation | pH in Temperature - ECL6	range | 0-14 pH	p.172
LDSRH				
1 | code **LDSRH**	ORP			
	6 | 2 probe | ERH	compensation | -	range | 0/1000 mV	p.173
LDSCL				
1 | code **LDSCL**	Chlorine (total, free and combined)			
	6 | 4/T probe | ECL/SCL	compens. | Chlorine in Temperature	range | depending on probe	p.170/171
	Bromine			
	6 | T probe | SBR	compens. | Chlorine in Temperature	range | 0,20 ml/l	p.171
	Chlorine Dioxide			
	6 | T probe | SCL2	compens. | Chlorine in Temperature	range | depending on probe	p.171
	Hydrogen peroxyde			
	6 | T probe | SCL9	compens. | Chlorine in Temperature	range | depending on probe	p.171
	Ozone			
	6 | T probe | SCL10	compens. | Chlorine in Temperature	range | depending on probe	p.171
	Peracetic Acid			
	6 | T probe | SCL11	compens. | Chlorine in Temperature	range | depending on probe	p.171
LDSCD				
1 | code **LDSCD**	Conductivity			
	6 | 5 probe | ECD/EICD	compens. | Conductivity in Temperature	range | 0/300,0 µS 0/3000 µS 0/30,00 mS 0/300,0 mS	p.175
LDSCDIND				
1 | code **LDSCDI**	Inductive conductivity			
	6 | 8 probe | ECDIND	compens. | Conductivity in Temperature	range | 0/3,000 mS 0/30,00 mS 0/300,0 mS	p.178
LDSETORB2				
1 | code **LDSTORB**	Turbidity			
	6 | R probe | ETORB2	compens. | -	range | 0/4000 NTU	p.180
LDSDO				
1 | code **LDSDO**	Dissolved oxygen			
	6 | 7 probe | EOLUM	compens. | Temperature and pressure	range | 20 mg/l O_2	p.179
LDSTRC				
1 | code **LDSTRC**	Tracers			
	6 | F probe | ETRC2	compens. | -	range | 0/9999,9 ppm	p.180
LDSFL				
1 | code **LDSFL**	Fluoride			
	6 | P probe | EFL	compens. | Temperature	range | conc. 0/3,00 ppm (0,01 ppm) mV 0/1000,00 ppm (0,01 ppm)	

Series\LD Multichannel Plus

Multiple reading digital system with PID regulation

technical data
manuals
datasheets
exploded-views

LD MULTICHANNEL PLUS control instruments are a series of multiple reading digital systems with PID regulation that meets a wide range of applications.
They are multiple digital measuring systems for complete control of water treatment and chemicals dosage, ensuring, depending on model, the control on acid (pH) and on a second parameter (by customer request different parameters combination can be set).

ERMES

Modbus

ALARMS

- general alarm
- no water flow alarm
- out of range alarm
- level alarm
- max dosing alarm
- damaged probe alarm

INPUTS

- product level inputs
- flow input
- water meter input
- mA water meter input
- temperature probe input
- stand-by input

OUTPUTS

- alarm output
- probe cleaning output with ETORB2
- mA outputs
- proportional outputs
- set points outputs [on/off - PID - PWM]
- relay outputs
- flocculant pump output (LDPHCL PLUS)

SETTING p.124

2 | configuration

B - BASIC	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI	S - MODBUS
■	■	■	■	■	■

mA water meter input	12VDC or 24VDC power supply
■	■

LED strip
■

- input and output shown in red are to be considered as optional.

model	channel 1	channel 2

LDPHCL PLUS

1 | code **LDPHCLP**

pH

6 | 1 probe | EPH compensation | pH in Temperature - ECL6 p.172
range | 0-14 pH

Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temperature p.170/171
range | depending on probe

Bromine

6 | T probe | SBR compens. | Chlorine in Temperature p.171
range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temperature p.171
range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temperature p.171
range | depending on probe

Ozone

6 | T probe | SCL10 compens. | Chlorine in Temperature p.171
range | depending on probe

Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temperature p.171
range | depending on probe

LDPHRH PLUS

1 | code **LDPHRHP**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compensation | pH in Temperature

ORP

6 | 2 probe | ERH p.173
range | 0/1000 mV

LDPHCD PLUS

1 | code **LDPHCDP**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compensation | pH in Temperature

Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compens. Conductivity in Temperature

LDPHCDIND PLUS

1 | code **LDPHCDP**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compensation | pH in Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0/3,000 mS - 0/30,00 mS - 0/300,0 mS
compens. | Conductivity in Temperature

LDPHETORB2 PLUS

1 | code **LDPHT2P**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compensation | pH in Temperature

Turbidity

6 | R probe | ETORB2 p.180
range | 0/4000 NTU

LDPHTRC PLUS

1 | code **LDPHTRP**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compensation | pH in Temperature

Tracers

6 | F probe | ETRC2 p.180
range | 0/9999,9 ppm

LDPHFL PLUS

1 | code **LDPHFLP**

pH

6 | 1 probe | EPH compens. | pH in Temperature p.172
range | 0-14 pH

Fluoride

6 | P probe | EFL
range | conc. 0/3,00 ppm (0,01 ppm) - mV 0/1000,00 ppm (0,01 ppm)

Series\LD Multichannel
Multiple reading digital system

technical data
manuals
datasheets
exploded-views

LD MULTICHANNEL control instruments are a series of multiple reading digital systems that meet a wide range of applications. They are multiple digital measuring systems for complete control of water treatment and chemicals dosage, ensuring, depending on model, the control on acid (pH) and on a second parameter (by customer request different parameters combination can be set).

ERMES

Modbus

ALARMS

- general alarm
- no water flow alarm
- out of range alarm
- level alarm
- max dosing alarm
- damaged probe alarm

INPUTS

- product level inputs
- flow input
- temperature probe input
- stand-by input

OUTPUTS

- alarm output
- probe cleaning output with ETORB2
- proportional outputs
- relay outputs
- flocculant pump output (LDPHCL)
- mA outputs

SETTING p.124

2 | configuration

B - BASIC (+MODBUS)	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI
■	■	■	■	■

mA output	12VDC or 24VDC power supply	LED strip
■	■	■

- input and output shown in red are to be considered as optional.

model	channel 1	channel 2

LDPHCL

1 | code **LDPHCL**

pH

6 | 1 probe | EPH compens. | pH in Temperature - ECL6 p.172
range | 0-14 pH

Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temperature p.170/171
range | depending on probe

Bromine

6 | T probe | SBR compens. | Chlorine in Temperature p.171
range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temperature p.171
range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temperature p.171
range | depending on probe

Ozone

6 | T probe | SCL10 compens. | Chlorine in Temperature p.171
range | depending on probe

Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temperature p.171
range | depending on probe

LDPHRH

1 | code **LDPHRH**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compens. | pH in Temperature

ORP

6 | 2 probe | ERH p.173
range | 0/1000 mV

LDPHCD

1 | code **LDPHCD**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compens. | pH in Temperature

Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compens. | Conductivity in Temperature

LDPHCDIND

1 | code **LDPHCDI**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compens. | pH in Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0/3,000 mS - 0/30,00 mS - 0/300,0 mS
compens. | Conductivity in Temperature

LDPHETORB2

1 | code **LDPHTOR**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compens. | pH in Temperature

Turbidity

6 | R probe | ETORB2 p.180
range | 0/4000 NTU

LDPHTRC

1 | code **LDPHTOR**

pH

6 | 1 probe | EPH p.172
range | 0-14 pH
compens. | pH in Temperature

Tracers

6 | F probe | ETRC2 p.180
range | 0/999,9 ppm

LDPHFL

1 | code **LDPHFL**

pH

6 | 1 probe | EPH compens. | pH in Temperature p.172
range | 0-14 pH

Fluoride

6 | P probe | EFL
range | conc. 0/3,00 ppm (0,01 ppm) - mV 0/1000,00 ppm (0,01 ppm)

Series \ CENTURIO PRO
Complete control system

technical data
manuals
datasheets
exploded-views

CENTURIO control instruments are multiparameter measurement and regulation systems that combine an absolute control and an extreme ease of use with the elegance of the case created by Giugiaro Design.
CENTURIO PRO is a complete digital control instrument designed for managing water treatment plants, equipped with LINUX operating system, high-performance ARM A5 microprocessor and a large color touchscreen display. It can manage at the same time the main measurement parameters, read and regulate setpoints of the 6 channels and get real-time graphs. CENTURIO has also an high-capacity storage to archive data logs as well as download option via USB port.

ERMES

Modbus

FEATURES

For each reading channel:
2 digital setpoints (ON/OFF), 2 proportional setpoints (IS), 1 mA output setpoint, 1 temperature setpoint
6 timers with a maximum of 10 daily schedules each
Laser level output

INPUTS

8 product level inputs
flow input
2 water meter inputs
1 RS485 bus probe input
6 slots for channels reading

OUTPUTS

alarm output
8 proportional outputs
6 on/off outputs
2 freecontact on/off outputs
6 current outputs

SETTING p.124
2 | configuration

CENTURIO PRO

B - BASIC | ETHERNET - USB - MODBUS	A - GSM	W - WIFI
■	■	■

model

CHANNELS 1-2-3-4-5-6 TO CHOOSE BETWEEN THE MODULES BELOW

CENTURIO

1 | code

CENTP

pH

6 | 1 probe | EPH compensation | pH in Temperature - ECL6 p.172
range | 0-14 pH
compens. | Temperature

ORP

6 | 2 probe | ERH p.173
range | -999/+999 mV
compens. | Temperature

Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temper. p.170/171
range | depending on probe

Bromine

6 | T probe | SBR compensation | Chlorine in Temper. p.171
range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temper. p.171
range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temper. p.171
range | depending on probe

Ozone

6 | T probe | SCL10 compens. | Chlorine in Temper. p.171
range | depending on probe

Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temper. p.171
range | depending on probe

Tracers

6 | F probe | ETRC2 p.180
range | 0/999,9 ppm
compens. | Temperature

Corrosion

6 | F probe | ECORR p.179
range | 0.001/10 MPY
compens. | Temperature

Turbidity

6 | R probe | ETORB2 p.180
range | for complete parameter reading, connect directly to the probe bus
compens. | Temperature

mA input

6 | U
range | Analogic input module 0-20 mA

Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0.1µS-100mS (K=1)
0.01µS-10mS (K=01)
0.001uS-1mS (K=001)
1uS-1S (K=10)
compens. | Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0-3.000 µS
0-30.000 µS
compens. | Temperature

Potentiostatic probe

6 | 9 probe | EPS
range | 5 ppm

Dissolved oxygen

6 | 7 probe | EOLUM
range | 0-20 mg/l p.179
compens. | Temperature

Series \ CENTURIO TOWER

Complete control system for cooling towers

technical data
manuals
datasheets
exploded-views

CENTURIO control instruments are multiparameter measurement and regulation systems that combine an absolute control and an extreme ease of use with the elegance of the case created by Giugiaro Design.
CENTURIO TOWER is a digital control instrument designed for cooling tower water treatment and equipped with LINUX operating system, high-performance ARM A5 microprocessor and a large color touchscreen display. It can manage at the same time 5 measurement parameters, read and regulate setpoints of the 5 channels and get real-time graphs. CENTURIO has also an high-capacity storage to archive data logs as well as download option via USB port.

ERMES

Modbus

FEATURES

- Biocide programmable in 10 daily interventions
- Pre-bleed (water discharge before biocide dosing)
- Blow down (discharge control on conductivity values)
- Lockout (discharge valve locked for a settable time, after biocide dosing)

INPUTS

- 8 product level inputs
- flow input
- 2 water meter inputs
- 1 RS485 bus probe input
- 6 slots for channels reading

OUTPUTS

- alarm output
- 8 proportional outputs
- 6 on/off outputs
- 2 freecontact on/off outputs
- 6 current outputs

SETTING p.124

2 | configuration

CENTURIO TOWER - CONDUCTIVITY

B - BASIC | ETHERNET - USB - MODBUS	A - GSM	W - WIFI
■	■	■

CENTURIO TOWER - INDUCTIVE CONDUCTIVITY

B - BASIC | ETHERNET - USB - MODBUS	A - GSM	W - WIFI
■	■	■

Controller low-voltage 12/24VDC	Controller low-voltage + Modem 12/24VDC
■	■

model

CENTURIO

1 | code

CENT

Channel 1 to choose between conductivity and inductive conductivity

Conductivity

6 | 5 probe | ECD/EICD p.175

range | 0.1µS-100mS (K=1)
0.01µS-10mS (K=01)
0.001uS-1mS (K=001)
1uS-1S (K=10)

compens. | Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178

range | 0,1-3mS
0,3-30mS
0,3-300mS

compens. | Temperature

Channels 2-3-4-5-6 to choose between the 8 modules below

pH

6 | 1 probe | EPH compensation | pH in Temperature - ECL6 p.172

range | 0-14 pH

compens. | Temperature

ORP

6 | 2 probe | ERH p.173

range | -999/+999 mV

compens. | Temperature

Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temper. p.170/171

range | depending on probe

Bromine

6 | T probe | SBR compensation | Chlorine in Temper. p.171

range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temper. p.171

range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temper. p.171

range | depending on probe

Ozone

6 | T probe | SCL10 compens. | Chlorine in Temper. p.171

range | depending on probe

Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temper. p.171

range | depending on probe

Tracers

6 | F probe | ETRC2 p.180

range | 0/999,9 ppm

compens. | Temperature

Corrosion

6 | F probe | ECORR p.179

range | 0.001/10 MPY

compens. | Temperature

Turbidity

6 | R probe | ETORB2 p.180

range | for complete parameter reading, connect directly to the probe bus

compens. | Temperature

mA input

6 | U

range | Analogic input module 0-20 mA

Conductivity

6 | 5 probe | ECD/EICD p.175

range | 0.1µS-100mS (K=1)
0.01µS-10mS (K=01)
0.001uS-1mS (K=001)
1uS-1S (K=10)

compens. | Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178

range | 0-3.000 µS
0-30.000 µS

compens. | Temperature

Series\CENTURIO POOL

Complete control system for swimming pool

technical data
manuals
datasheets
exploded-views

CENTURIO POOL is a digital regulation and measurement system for multiparameter control in the treatment of water in swimming pools. It features a Linux os, a high-performance ARM A5 microprocessor and a large color touch display. It can be set to work with pH priority and can control flocculant output, shock chlorination and backwashing filters and manage up to 10 reading channels simultaneously. Download via USB. Import / export of data and settings (backup & restore) via USB port to other CENTURIO systems. Internet connection (WIFI, 3G or LAN). MODBUS serial communication protocol.

ERMES

Modbus

FEATURES

For each reading channel:
2 digital setpoints (ON/OFF), 2 proportional setpoints (IS), 1 mA output setpoint, 1 temperature setpoint
6 timers with a maximum of 10 daily schedules each
Laser level output

INPUTS

8 product level inputs
1 flow sensor input
2 water meter inputs
1 RS485 bus probe input
6 slots for channels reading

OUTPUTS

alarm output
8 proportional outputs
6 on/off outputs
2 freecontact on/off outputs
6 current outputs

SETTING p.124

2 | configuration

CENTURIO POOL

B - BASIC | ETHERNET - USB - MODBUS	A - GSM	W - WIFI
■	■	■

model

CHANNELS 1-2-3-4-5-6 TO CHOOSE BETWEEN THE MODULES BELOW

CENTURIO

1 | code

CENTPO

pH

6 | 1 probe | EPH compensation | pH in Temperature - ECL6 p.172
range | 0-14 pH
compens. | Temperature

ORP

6 | 2 probe | ERH p.173
range | -999/+999 mV
compens. | Temperature

Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temper. p.170/171
range | depending on probe

Bromine

6 | T probe | SBR compensation | Chlorine in Temper. p.171
range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temper. p.171
range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temper. p.171
range | depending on probe

Ozone

6 | T probe | SCL10 compens. | Chlorine in Temper. p.171
range | depending on probe

Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temper. p.171
range | depending on probe

Turbidity

6 | R probe | ETORB2 p.180
range | for complete parameter reading, connect directly to the probe bus
compens. | Temperature

mA input

6 | U
range | Analogic input module 0-20 mA

Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0.1µS-100mS (K=1)
0.01µS-10mS (K=01)
0.001uS-1mS (K=001)
1uS-1S (K=10)
compens. | Temperature

Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0-3.000 µS
0-30.000 µS
compens. | Temperature

Potentiostatic probe

6 | 9 probe | EPS
range | 5 ppm

Dissolved oxygen

6 | 7 probe | EOLUM
range | 0-20 mg/l p.179
compens. | Temperature

Series\MTOWER PLUS

Three parameters control system for cooling towers

technical data
manuals
datasheets
exploded-views

MTOWER PLUS control instruments are a series of fully feature control systems for cooling towers.
They manage simultaneously three parameters: pH or ORP, chlorine, conductivity or inductive conductivity (to specify on order) and temperature. Probes are not included.
They can be remotely controlled through the exclusive web management system ERMES.

ERMES

Modbus

ALARMS

- no water flow alarm
- 3 product levele alarms
- bleed timeout alarm

INPUTS

- 6 product level inputs
- 2 water meter inputs
- flow input
- temperature probe input
- stand-by input

OUTPUTS

- mA output

SETTING p.124

2 | configuration

B - BASIC	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI	S - MODBUS
■	■	■	■	■	■

mA output	12VDC or 24VDC power supply
■	■

- input and output shown in red are to be considered as optional.

model	channel 1	channel 2	channel 3

MTOWER PLUS CD/PH/CL

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175

compensation | Conductivity in Temperature

range | 0/300,0 µS
0/3000 µS
0/30,00 mS
0/300,0 mS

channel 2 — pH

6 | 1 probe | EPH p.172

compensation | pH in Temperature - ECL6

range | 0-14 pH

channel 3 — Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL p.170/171

compensation | Chlorine in Temperature

range | depending on probe

Bromine

6 | T probe | SBR p.171

compensation |

range | 0,20 ml/l

Chlorine Dioxide

6 | T probe | SCL2 p.171

compensation | Chlorine in Temperature

range | depending on probe

Hydrogen peroxyde

6 | T probe | SCL9 p.171

compensation | Chlorine in Temperature

range | depending on probe

Ozone

6 | T probe | SCL10 p.171

compensation | Chlorine in Temperature

range | depending on probe

Peracetic Acid

6 | T probe | SCL11 p.171

compensation | Chlorine in Temperature

range | depending on probe

MTOWER PLUS CD/PH/RH

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175

compensation | Conductivity in Temperature

range | 0/300,0 µS
0/3000 µS
0/30,00 mS
0/300,0 mS

Inductive conductivity

6 | 8 probe | ECDIND p.178

compensation | Conductivity in Temperature

range | 0/3,000 mS
0/30,00 mS
0/300,0 mS

channel 2 — pH

6 | 1 probe | EPH p.172

compensation | pH in Temperature - ECL6

range | 0-14 pH

channel 3 — ORP

6 | 2 probe | ERH p.173

compensation | -

range | 0/1000 mV

Series\MTOWER 2 CH

Two parameters control system for cooling towers

technical data
manuals
datasheets
exploded-views

MTOWER 2CH control instruments are a series of fully feature control systems for cooling towers.
They manage simultaneously two parameters: pH or ORP or chlorine, conductivity or inductive conductivity (to specify on order) and temperature. Probes are not included.
They can be remotely controlled through the exclusive web management system ERMES.

ERMES

Modbus

ALARMS

- no water flow alarm
- 2 product levele alarms
- bleed timeout alarm

INPUTS

- 6 product level inputs
- 2 water meter inputs
- flow input
- temperature probe input
- stand-by input

OUTPUTS

- mA output

SETTING p.124

2 | configuration

B - BASIC (+MODBUS)	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI
■	■	■	■	■

mA output	12VDC or 24VDC power supply	LED strip
■	■	■

- input and output shown in red are to be considered as optional.

model	channel 1	channel 2

MTOWER CD/PH

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 1 — Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0/3,000 mS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 2 — pH

6 | 1 probe | EPH compens. | pH in Temperature - ECL6 p.172
range | 0-14 pH

MTOWER CD/RH

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 1 — Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0/3,000 mS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 2 — ORP

6 | 2 probe | ERH p.173
range | 0/1000 mV

MTOWER CD/CL

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 2 — Chlorine (total, free and combined)

6 | 4/T probe | ECL/SCL compens. | Chlorine in Temper. p.170/171
range | depending on probe

channel 2 — Bromine

6 | T probe | SBR compens. | Chlorine in Temperature p.171
range | 0,20 ml/l

channel 2 — Chlorine Dioxide

6 | T probe | SCL2 compens. | Chlorine in Temperature p.171
range | depending on probe

channel 2 — Hydrogen peroxyde

6 | T probe | SCL9 compens. | Chlorine in Temperature p.171
range | depending on probe

channel 2 — Ozone

6 | T probe | SCL10 compens. | Chlorine in Temperature p.171
range | depending on probe

channel 2 — Peracetic Acid

6 | T probe | SCL11 compens. | Chlorine in Temperature p.171
range | depending on probe

MTOWER CD/TRC

1 | code **MTOWERN**

channel 1 — Conductivity

6 | 5 probe | ECD/EICD p.175
range | 0/300,0 µS - 0/3000 µS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 1 — Inductive conductivity

6 | 8 probe | ECDIND p.178
range | 0/3,000 mS - 0/30,00 mS - 0/300,0 mS
compensation | Conductivity in Temperature

channel 2 — Tracers

6 | F probe | ETRC2 p.180
range | 0/9999,9 ppm

Series\MTOWER
Single parameter control system for cooling towers

technical data
manuals
datasheets
exploded-views

MTOWER 1CH control instrument is a fully feature control systems for cooling towers.
It manages one parameter: conductivity or inductive conductivity (to specify on order) and temperature. Probes are not included.
It can be remotely controlled through the exclusive web management system ERMES.

ALARMS

- no water flow alarm
- level alarm
- bleed timeout alarm

INPUTS

- 6 product level inputs
- 2 water meter inputs
- flow input
- temperature probe input
- stand-by input

OUTPUTS

- mA output

SETTING p.124
2 | configuration

B - BASIC	U - ADVANCED USB	E - ETHERNET	A - GSM	W - WIFI	S - MODBUS
■	■	■	■	■	■

mA output	12VDC or 24VDC power supply
■	■

- input and output shown in red are to be considered as optional.

model	channel 1				
MTOWER CD					
1 I code					
MTOWERN	Conductivity				
	6 I 5	probe I ECD/EICD	compensation I Conductivity in Temperature	range I 0/9999 µS	p.175
	Inductive conductivity				
	6 I 8	probe I ECDIND	compensation I Conductivity in Temperature	range I 0/3000 mS 0/30000 mS	p.178

Series\LD LOG
Data log system

technical data
manuals
datasheets
exploded-views

LDLOG control instrument is a data log system for consumption of chemicals in a tank. Collected data are stored in a USB drive and secured against unauthorized access (log file format: CSV/EMC).
LDLOG permanently collects data by a maximum of three pulse emitter water meters and three flow sensors connected to the dosing pumps to record the chemical consumption and the amount of water treated. LDLOG displays daily, monthly and annual data and can be remotely controlled by web management system ERMES.

ERMES

Modbus

ALARMS

- set point on consumption (LDLOGmA)

INPUTS

- 4 mA inputs (LDLOGmA)
- 4 SEFL flow sensor inputs
- 3 water meter inputs

SETTING p.124
2 | configuration

LD LOG

U - ADVANCED USB	E - ETHERNET	A - GSM	S - MODBUS
■	■	■	■

LD LOG mA

U - ADVANCED USB	E - ETHERNET	A - GSM	S - MODBUS
■	■	■	■

Series\LDSPN PLUS
pH neutralization

technical data
manuals
datasheets
exploded-views

LDSPN PLUS control instrument is a pH neutralization system that meets a wide range of applications. It can be remotely controlled through the exclusive web management system ERMES.
LDSPN PLUS also has: easy control by encoder wheel, flow control, local & remote control, permanent data storage with system log, PT100 temperature probe, stand-by input, alarms, automatic temperature compensation, probe readout menu, impulsive proportional working mode, inlet, outlet and mixer control solenoid valves, 2 timer for set-point activation delay and mA output (optional).

INPUTS

- high level tank input
- low level tank input

OUTPUTS

- inlet solenoid valve output
- outlet solenoid valve output
- mixer output
- acid pump output
- base pump output

1 | code
LDSPNP

SETTING
2 | configuration

B - BASIC

■

12VDC or 24VDC power supply

■

Series\LDOSIN PLUS
Reverse osmosis controller

technical data
manuals
datasheets
exploded-views

Reverse osmosis controllers enables the process and control of osmosis in industrial plants.
LDOSIN PLUS main working modes are: continuous production without level control, one level control production, two levels control with manual hysteresis and production based on the amount set. Combined with probes and probe holders, they can be assembled on panels to have a complete turnkey control system. Temperature measurement, water meter input and water meter output.

ERMES

ALARMS

- general alarm
- out of range alarm
- max dosing alarm
- damaged probe alarm
- filter alarm
- temperature alarm
- pressure alarm

INPUTS

- 2 product level inputs
- 2 water meter inputs
- 2 mA inputs
- probe holder input
- 2 pressure inputs
- stand-by input

OUTPUTS

- alarm output
- 2 mA outputs
- 5 relay outputs
- freecontact output

1 | code
LDOSINP

SETTING p.124
2 | configuration

B - BASIC	E - ETHERNET	A - GSM	W - WIFI
■	■	■	■

OSMOSIS
Reverse osmosis controllers

technical data
manuals
datasheets
exploded-views

Reverse osmosis controllers enables the process and control of osmosis in industrial plants.
LDOSIN is a microprocessor based digital regulator for REVERSE OSMOSIS water production. The value readings are shown on a backlit LCD display that can be easily read even in very bright environments. The instrument is housed in a plastic container, can be wall-mounted and it is housed in a IP65 plastic box. The overall dimensions are 225x215x125mm. Available in rack mounting version (180x220x80mm).
OSIN DIG is a reverse osmosis controller. Panel mounted, it has led display.

OSIN DIG

- LED display
- Level control for collection tank
- Output conductivity reading
- Pump pressure reading

LDOSIN - LDOSIN RACK

- Command to control reverse osmosis systems
- Supplied without conductivity probe
- Microprocessor based
- LCD display
- IP65 housing or rack mounting dim.: 180x220x80 mm (LDOSIN RACK)
- Input/output conductivity reading
- Level control for collection tank
- Min and max pressure
- Membrane washing control
- Pressure pump heating control
- Softner stand-by

PRICES

OSIN DIG	LDOSIN	LDOSIN RACK
■	■	■

Series \ JA PRO

Rack mounting (96x96) single reading systems

technical data
manuals
datasheets
exploded-views

JA PRO control instruments are a series of rack mounting (96x96) single reading systems with temperature reading. On/Off, impulsive proportional and PID are main working modes.
It can set and monitor: pH, ORP, chlorine (depending on the probe: total chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid) and conductivity (uS/S - Ohm - TDS / PPM) with automatic range and probe / product selection (H3PO4 - H2SO4 - HNO3 - HCl - NaOH - NaCl). Probes are not included.

JA PRO has: 2 setpoints (on/off, proportional), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range, alarm output.
Avalilable low voltage 12VDC or 24VDC power supply. Available IP54 protection cover.
JA PRO is equipped with mA module and MODBUS serial communication to be connected to other devices on RS485 networks and TCP/IP MODBUS.

ALARMS

- general alarm
- no water flow alarm

INPUTS

- flow input
- temperature probe input
- probe input

OUTPUTS

- 2 proportional outputs
- 2 set points outputs (on/off, PWM)
- 2 relay outputs

ALARMS PRO

- no water flow alarm

INPUTS PRO

- flow input
- temperature probe input
- probe input
- stand-by input

OUTPUTS PRO

- alarm output
- 3 proportional outputs
- 2 set points outputs
- 2 relay outputs
- opto coupled output

SETTING p.124

2 | configuration

B - PRO
■

IP54 protection	12VDC or 24VDC power supply
■	■

model	channel 1				
JA PH					
1 I code			pH		
JAPHPRO	6 I 1	probe I EPH	compensation I pH in Temperature - ECL6	range I 0-14 pH	p.172
JA RH					
1 I code			ORP		
JARHPRO	6 I 1	probe I ERH	compensation I -	range I -999/+1999 mV	p.173
JA CL					
1 I code			Chlorine (total and free)		
JACLPRO	6 I 4/T	probe I ECL/SCL	compensation I Chlorine in Temperature	range I depending on probe	p. 152/153
			Bromine		
	6 I T	probe I SBR	compensation I Chlorine in Temperature	range I 0,20 ml/l	p.171
			Chlorine Dioxide		
	6 I T	probe I SCL2	compensation I Chlorine in Temperature	range I depending on probe	p.171
			Hydrogen peroxyde		
	6 IT	probe I SCL9	compensation I Chlorine in Temperature	range I depending on probe	p.171
			Ozone		
	6 I T	probe I SCL10	compensation I Chlorine in Temperature	range I depending on probe	p.171
			Peracetic Acid		
	6 I T	probe I SCL11	compensation I Chlorine in Temperature	range I depending on probe	p.171
JA CD					
1 I code			Conductivity		
JACDPRO	6 I 5	probe I ECD/EICD	compens. I Conductivity in Temperature	range I 0/9999 (nS/uS/mS/S) depending on probe	p.175
JACDIND					
1 I code			Inductive conductivity		
JACDINP	6 I 8	probe I ECDIND	compensation I Conductivity in Temperature	range I 0/3,000 mS 0/30,00 mS 0/300,0 mS	p.178

Series\J DIGITAL

Rack mounting (96x48) single reading systems

technical data
manuals
datasheets
exploded-views

J DIGITAL control instruments are a series of rack mounting (96x48) single reading systems that meets many applications.
It can set and monitor: pH, ORP, chlorine (depending on the probe: total chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid), conductivity, ozone, chlorine dioxide and temperature.

Probes are not included.
J DIGITAL models have: 2 setpoints (on/off), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range.
Available IP54 protection cover.

INPUTS

- flow input
- temperature probe input
- probe input

OUTPUTS

- opto coupled output
- 2 freecontact outputs

SETTING p.124
2 | configuration

B - BASIC	
■	
IP54 protection	12VDC or 24VDC power supply
■	■

model	channel 1				
J DIGITAL PH					
1 | code					
JPHDIG	pH				
	6 | 1	probe | EPH	compensation | pH in Temperature - ECL6	range | 0-14 pH	p.172
J DIGITAL RH					
1 | code					
JRHDIG	ORP				
	6 | 1	probe | ERH	compensation | -	range | -999/+999 mV	p.173
J DIGITAL CL					
1 | code					
JCLDIG	Chlorine (total and free)				
	6 | 4/T	probe | ECL/SVCL	compensation | Chlorine in Temperature	range | depending on probe	p.170/171
	Bromine				
	6 | T	probe | SBR	compensation | Chlorine in Temperature	range | 0,20 ml/l	p.171
	Hydrogen peroxyde				
	6 | T	probe | SVCL	compensation | Chlorine in Temperature	range | depending on probe	p.171
	Peracetic Acid				
	6 | T	probe | SVCL	compensation | Chlorine in Temperature	range | depending on probe	p.171
J DIGITAL CD					
1 | code					
JCDDIG	Conductivity				
	6 | 5	probe | ECD/EICD	compens. | Conductivity in Temperature	range | 0/1,999 µS 0/1999 µS 0/19,99 µS 0/19,99 mS 0/199,9 µS 0/199,99 mS	p.175
J DIGITAL O3					
1 | code					
JO3DIG	Ozone				
	6 | T	probe | SVCL	compensation | -	range | 0/1 mg/l O_3 0/10 mg/l O_3	p.171
J DIGITAL ClO2					
1 | code					
JCLO2DI	Chlorine Dioxide				
	6 | 8	probe | SVCL	compensation | -	range | 0/2 mg/l ClO_3 0/20 mg/l ClO_3	p.171
J DIGITAL TEMP					
1 | code					
JTEMDIG	Temperature				
	6 | V	probe | ETEHLP	compensation | -	range | 0/100 °C	p.180

Series\DIN DIGITAL

Rail mounting (6 modules) single reading systems

technical data
manuals
datasheets
exploded-views

DIN DIGITAL control instruments are a series of rail mounting (6 modules) single reading systems that meets many applications.
It can set and monitor: pH, ORP, chlorine (depending on the probe: totalchlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid), conductivity, ozone, chlorine dioxide and temperature. Probes are not included.
DIN DIGITAL models have: 2 setpoints (on/off, proportional), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range.

INPUTS

- flow input
- temperature probe input
- probe input

OUTPUTS

- opto coupled output
- 2 freecontact outputs

SETTING

p.124

2 | configuration

B - BASIC

■

12VDC or 24VDC power supply

■

model	channel 1				
DIN DIGITAL PH					
1 I code			pH		
DINPH	6 I 1	probe I EPH	compensation I pH in Temperature - ECL6	range I 0-14 pH	p.172
DIN DIGITAL RH					
1 I code			ORP		
DINRH	6 I 1	probe I ERH	compensation I -	range I -999/+999 mV	p.173
DIN DIGITAL CL					
1 I code			Chlorine (total and free)		
DINCL	6 I 4/T	probe I ECL/SVCL	compensation I Chlorine in Temperature	range I depending on probe	p.170/171
			Bromine		
	6 I T	probe I SBR	compensation I Chlorine in Temperature	range I 0,20 ml/l	p.171
			Hydrogen peroxyde		
	6 IT	probe I SVCL	compensation I Chlorine in Temperature	range I depending on probe	p.171
			Peracetic Acid		
	6 I T	probe I SVCL	compensation I Chlorine in Temperature	range I depending on probe	p.171
DIN DIGITAL CD					
1 I code			Conductivity		
DINCD	6 I 5	probe I ECD/EICD	compens. I Conductivity in Temperature	range I 0/1,999 µS 0/1999 µS 0/19,99 µS 0/19,99 mS 0/199,9 µS 0/199,99 mS	p.175
DIN DIGITAL O3					
1 I code			Ozone		
DINO3	6 I T	probe I SVCL	compensation I -	range I 0/1 mg/l O_3 0/10 mg/l O_3	p.171
DIN DIGITAL ClO2					
1 I code			Chlorine Dioxide		
DINCLO2	6 I 8	probe I SVCL	compensation I -	range I 0/2 mg/l ClO_3 0/20 mg/l ClO_3	p.171
DIN DIGITAL TEMP					
1 I code			Temperature		
DINTEMP	6 I V	probe I ETE	compensation I -	range I 0/100 °C	p.180

All-in-one solutions
Customized pre-assembled systems

technical data
manuals
datasheets
exploded-views

EMEC dosing pumps and measuring and control systems can be assembled with probes and accessories on panels according to specific combinations in order to offer turnkey all-in-one solutions.

Pre-assembled panels may have:
- pumps, instruments or elements owned by the client and assembled by EMEC
- customised logos
- backgrounds chosen by the customer
- customised sizes
- custom power panels

DRINKING WATER
600x800 mm

The proposed configuration for water drinking contemplates:
- disinfection with sodium hypochlorite or calcium hypochlorite

ANTI-LEGIONELLA
900x800 mm

The best answer to Legionella bacteria is prevention and efficient disinfection of the water:
- disinfection
- chlorine dioxide (stabilized) or sodium hypochlorite feeding
- filming chemical feed

COVER AND PANEL

description
PANEL
COVER[1]

[1] The cover can only be applied to a panel measuring 70x80 cm. Customization stickers require a minimum order (for quantities and prices, contact the sales office).

COOLING TOWERS
900x800 mm

Cooling water treatment is an operation that requires care and precision.

- biocide feeding
- activator biocide feeding
- inhibitors feeding
- oxidant feeding
- pH correction

description
400X400 BASE WITH WHITE BACKGROUND
400X600 BASE WITH WHITE BACKGROUND
500X600 BASE WITH WHITE BACKGROUND
500X700 BASE WITH WHITE BACKGROUND
600X600 BASE WITH WHITE BACKGROUND
600X650 BASE WITH WHITE BACKGROUND
500X800 BASE WITH WHITE BACKGROUND
600X700 BASE WITH WHITE BACKGROUND
600X800 BASE WITH WHITE BACKGROUND
600X900 BASE WITH WHITE BACKGROUND
800X800 BASE WITH WHITE BACKGROUND
800X900 BASE WITH WHITE BACKGROUND
800X1000 BASE WITH WHITE BACKGROUND
600X1150 BASE WITH WHITE BACKGROUND
800X1150 BASE WITH WHITE BACKGROUND
800X1200 BASE WITH WHITE BACKGROUND

COOLING TOWERS

description
400X400 BASE WITH COLOR BACKGROUND
400X600 BASE WITH COLOR BACKGROUND
500X600 BASE WITH COLOR BACKGROUND
500X700 BASE WITH COLOR BACKGROUND
600X600 BASE WITH COLOR BACKGROUND
600X650 BASE WITH COLOR BACKGROUND
500X800 BASE WITH COLOR BACKGROUND
600X700 BASE WITH COLOR BACKGROUND
600X800 BASE WITH COLOR BACKGROUND
600X900 BASE WITH COLOR BACKGROUND
800X800 BASE WITH COLOR BACKGROUND
800X900 BASE WITH COLOR BACKGROUND
800X1000 BASE WITH COLOR BACKGROUND
600X1150 BASE WITH COLOR BACKGROUND
800X1150 BASE WITH COLOR BACKGROUND
800X1200 BASE WITH COLOR BACKGROUND

BOX

Code	description
03605130	Box 800x1060x350 IP65
03605420	Box 585x800x300 IP65
03604340	Box 515x650x250 IP65

Series\POOLBRAVO
Swimming pool integrated system

technical data
manuals
datasheets
exploded-views

An all-in-one, easy to use, highly accurate solution For eliminating the need of manual interventions on swimming pool water and for reducing the consumption of the chemicals.

Moreover, its cover makes POOL BRAVO suitable for any installation context and, besides safeguarding from accidental liquid loss, preserves at the same time the cleanliness of the inner components and their integrity.

POOLBRAVO is a turnkey product that can be configured to immediately manage two of the main parameters concerning water treatment in swimming pools, in order to optimize the dosing of the needed chemicals.

A colored LED light is installed on PEF probe-holder in order to quickly signal, through an opening on the cover, specific operation statuses or possible alarms according to the color of the light. EMEC V series dosing pumps complete POOL BRAVO dosing system.

POOL BRAVO can connect to the internet (GSM, Ethernet or WIFI) and then be safely configured and managed with ERMES wherever you are by using any device and any browser.

ERMES

ALARMS

- main alarm

INPUTS

- Stand-by
- Flow
- pH level (+)
- pH level (-)
- Chlorine level
- pH probe
- Chlorine probe
- Temperature probe

OUTPUTS

- pulses proportional for pH
- pulses proportional for Chlorine
- Flocculant

POOL BRAVO ACID PUMP (V0310) AND CHLORINE PUMP (V0215)

OPEN AMPEROMETRIC CELL			CLOSED AMPEROMETRIC CELL		
■			■		
ETHERNET	**GSM**	**WIFI**	**ETHERNET**	**GSM**	**WIFI**
■	■	■	■	■	■

POOL BRAVO ACID PUMP (V0310), CHLORINE PUMP (V0215) AND FLOCCULANT PUMP (VCLG)

OPEN AMPEROMETRIC CELL			CLOSED AMPEROMETRIC CELL		
■			■		
ETHERNET	**GSM**	**WIFI**	**ETHERNET**	**GSM**	**WIFI**
■	■	■	■	■	■

POOL BRAVO ACID PUMP (V0310), CHLORINE PUMP (V0215) AND ANTI-ALGAE PUMP (VEN)

OPEN AMPEROMETRIC CELL			CLOSED AMPEROMETRIC CELL		
■			■		
ETHERNET	**GSM**	**WIFI**	**ETHERNET**	**GSM**	**WIFI**
■	■	■	■	■	■

Dosing stations
All in one solutions

technical data
manuals
datasheets
exploded-views

Dosing stations are assembled to include:

- Dosing pumps
- Suction lances
- Mixer
- Water makeup valve
- Water bleed valve

Dosing stations are complete solutions and only pump mounting, electric and piping operations are the responsibility of the client.

Models	Tanks	Pumps (mod.)	Mixers (mod.)	Suction lances
CNT50 [2]	50 litres	- V (with bracket) - K	- MIX MAN	- LASP4 - LASP5
CNT110 [1] [2]	110 litres	- V (with bracket) - K - A - T (with bracket)	- MIX8N - MIXV8N	- LASP4 - LASP5
CNT200 [1] [2]	200 litres	- V (with bracket) - K - A - T (with bracket)	- MIX8N - MIXV8N - MIX4N - MIXV4N - MIXV2N	- LASP4 - LASP5
CNT500 [1] [2]	500 litres	- V (with bracket) - K - A - T (with bracket) - PRIUS (with support)	- MIXV4N - MIX4N - MIXV2N	- LASP4 - LASP5
CNT1000 [1] [2] [3]	1000 litres	- V (with bracket) - K (with bracket) - A (with bracket) - T (with bracket) - PRIUS (with bracket)	- MIX4N - MIXV2N - MIX2	- LASP1 - LASP3

[1] Models suitable for mounting 2 suction lances.
[2] Models suitable for mounting 2 dosing pumps.
[3] Support for mixer/pump mounting.

Systems on skids or in custom-made cabins
All in one solutions

technical data
manuals
datasheets
exploded-views

The Stainless Steel or plastic skid is designed and built on client requirements.

In addition to the solution on skids, it is possible to create dosing plants in a cabin, screen guard or with window.

Electric control panels designed to control all the assembeld solution.

The final product includes electrical and piping hook-ups ready for installation.

technical data
manuals
datasheets
exploded-views

CTFI
Wet dial

model	description
CTFI 15	Fittings 1/2"
CTFI 20	Fittings 3/4"
CTFI 25	Fittings 1"
CTFI 30	Fittings 1.1/4"
CTFI 40	Fittings 1.1/2"
CTFI 50	Fittings 2"

MAX 30° C - 16 BAR
Cold water pulse emitting water meter.
2,5 m cable.

CTFIT
Wet dial

model	description
CTFIT 15	Fittings 1/2"
CTFIT 20	Fittings 3/4"
CTFIT 25	Fittings 1"
CTFIT 30	Fittings 1.1/4"
CTFIT 40	Fittings 1.1/2"

MAX 30°C - 16 BAR
Cold water pulse emitting water meter.
Internal and external PTFE coating.
2,5 m cable.

CATFI
Dry dial

model	description
CATFI 15	Fittings 1/2"
CATFI 20	Fittings 3/4"
CATFI 25	Fittings 1"
CATFI 30	Fittings 1.1/4"
CATFI 40	Fittings 1.1/2"
CATFI 50	Fittings 2"

MAX 30°C - 16 BAR
Cold water pulse emitting water meter.
2,5 m cable.

CATCI
Dry dial

model	description
CATCI 15	Fittings 1/2"
CATCI 20	Fittings 3/4"
CATCI 25	Fittings 1"
CATCI 30	Fittings 1.1/4"
CATCI 40	Fittings 1.1/2"
CATCI 50	Fittings 2"

MAX 90°C - 16 BAR
HOT water pulse emitting water meter.
2,5 m cable.

CATFIT
Dry dial

model	description
CATFIT 15	Fittings 1/2"
CATFIT 20	Fittings 3/4"
CATFIT 25	Fittings 1"
CATFIT 30	Fittings 1.1/4"
CATFIT 40	Fittings 1.1/2"

MAX 30°C - 16 BAR
Cold water pulse emitting water meter
Internal and external PTFE coating.
2,5 m cable.

CATCIT
Dry dial

model	description
CATCIT 15	Fittings 1/2"
CATCIT 20	Fittings 3/4"
CATCIT 25	Fittings 1"
CATCIT 30	Fittings 1.1/4"
CATCIT 40	Fittings 1.1/2"

MAX 90° C - 16 BAR
Cold water pulse emitting water meter.
Internal and external PTFE coating.
2,5m cable.

CWFA
Dry dial

model	description
CWFA 50	Flange 2"
CWFA 65	Flange 2.1/2"
CWFA 80	Flange 3"
CWFA 100	Flange 4"
CWFA 150	Flange 6"
CWFA 200	Flange 8"
CWFA 250	Flange 10"

MAX 60°C - 16 BAR
Woltman cold water pulse emitting water meter.
2,5 m cable.

CWCA
Dry dial

model (1 pulse /100 litres)	description
CWCA 50	Flange 2"
CWCA 65	Flange 2.1/2"
CWCA 80	Flange 3"
CWCA 100	Flange 4"
model (1 pulse/1000 litres)	description
CWCA 150	Flange 6"

MAX 130°C - 16 BAR
Woltman cold water pulse emitting water meter. 2,5 m cable.

CWFAT
Dry dial

model	description
CWFAT 50	Flange 2"
CWFAT 65	Flange 2.1/2"
CWFAT 80	Flange 3"
CWFAT 100	Flange 4"

MAX 60°C - 16 BAR
Woltman hot water pulse emitting water meter
Internal and external PTFE coating
2,5 m cable.

ACCESSORIES

model	description
EXTRA PER METER FOR CABLE	Extra price per meter for longer cable
10888301	Reed to plc interface
RIPFLOW	Pulse emitter water meter system connection to pumps or other devices (i.E. Plc). Galvanic isolation and relay output

TIMER

model	description
04106500	Timer ctfi15 1/2" 4i/l
04107811	Timer catfi 5 1/2" 4i/l
04108241	Timer catci15 1/2" 4i/l
04108001	Timer catfi20 3/4" 4i/l
04105751	Timer ctfi 20 3/4" 4i/l
04108251	Timer catci20 3/4" 4i/l
04106231	Timer catfi25 1" 4i/lt
04105921	Timer catfi30 1 1/4" 4i/l
04108281	Timer catci25 1" 4i/l
04108721	Timer catfi40 1-1/2" 4i/l
04108291	Timer catci30 1-1/4" 4i/l
04105761	Timer ctfi25 1" 4i/l
04108301	Timer catci40 1-1/2" 4i/l
04106151	Timer ctfi30 1" 1/4" 4i/l
04105781	Timer ctfi40 1 1/2" 4i/l
04107911	Timer catfi50 2" 4i/l
04108741	Timer catci50 2" 4i/l
04106221	Timer ctfi50 2" 4i/l
04106511	Timer cwfa50 2" 4i/10l
04106381	Timer cwfa65 2"1/2 4i/10l
04106211	Timer cwfa80 3" 4i/10l
04106241	Timer cwfa100 4" 4i/100l

GLASS

model	description
04106340	Cable+connector x catfi/catci 3mt
04503051	Glass ctci 15-20 sl+bnc
04500641	Glass ctfi 15-20 sl+bnc
04503011	Glass ctci 25-30 sl+bnc
04500531	Glass ctfi 25-30 sl+bnc
04500621	Glass ctfi 40-50 sl+bnc
04503031	Glass ctci 40-50 sl+bnc
04108700	Glass catfi/catci 15-20 1/2/4 pulses
04106860	Glass catfi/catci 15-20 35/70i
04107950	Glass catfi/catci 25-30-40-50 1/2/4 pulses
04500851	Glass wmc 1-2-4 pulses+bnc

ORING

model	description
04108470	Sliding spacer for 1/2"- 3/4" water meter
04108480	Sliding spacer for 1" - 1-1/4" water meter
04108490	Sliding spacer for 1-1/2" - 2" water meter
02600870	Black Oring ctfi25-30
02601260	Black Oring ctfi15-20
02602850	Black Oring ctfi40 1 1/2"
02600890	Black Oring ctfi50 2"

GENERAL NOTES

Woltmann meters and turbine without pulse launcher are available.

Pulses per liter table for CWFA / CWFI								
	Water Meter Caliber							
	50 - 2″	65 - 2,5″	80 - 3″	100 - 4″	150 - 6″	200 - 8″	250 - 10″	300 - 12″
Pulses for 10 lt	1-2-4	1-2-4	1-2-4	n/a	n/a	n/a	n/a	n/a
Pulses for 100 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	n/a	n/a	n/a
Pulses for 1000 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 10000 lt	n/a	n/a	n/a	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4

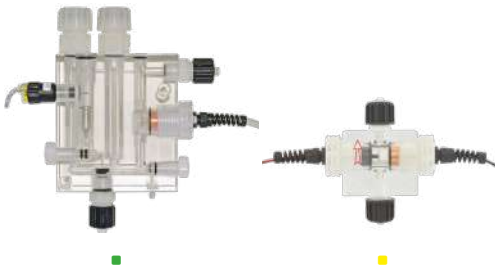
Pulses per liter table for CTFI / CTFIT						
	Water Meter Caliber					
	15	20	25	30	40	50
Pulses for 1 lt	35 - 70 - 140 1-2-4	22.5 - 90 1-2-4	12 - 24 48 1-2-4	12 - 24 48 1-2-4	4.5 - 9 18 1-2-4	1-2-4
Pulses for 10 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 100 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 1000 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4

Pulses per liter table for CATFI / CATCI						
	Water Meter Caliber					
	15	20	25	30	40	50
Pulses for 1 lt	35 - 1-2-4	22.5 - 90 1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 10 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 100 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4
Pulses for 1000 lt	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4	1-2-4

technical data
manuals
datasheets
exploded-views

ECL
Open amperometric cells

- Chlorine probes (hypochlorous acid)
- Probe holders can contain up to three probes (temperature, pH and ORP)
- The flow of water within this cell must remain constant and within 40 l/min. A pressure stabilizer is available for areas subject to sudden pressure changes
- Stable and reliable measurement even with low chlorine concentrations values
- Acrylic body
- Proximity flow sensor controlled (ECL6; ECL6/E; ECL7; ECL12; ECL12/E)
- 2 m cable (1 m if on panel)



model	measure	range	bar	temperature (°C)	fittings	flow level control	flow sensor	probe-holder
ECL20	free chlorine (organic and inorganic) for fresh water	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	-	-	-
ECL21	free chlorine (organic and inorganic) for salt water	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	-	-	-
ECL6/E	free chlorine (organic and inorganic)	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	■	■	Temp.
ECL12/E	free chlorine (organic and inorganic) for salt water	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	■	■	Temp.
ECL12	free chlorine (organic and inorganic) for salt water	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	■	■	Temp/pH/orp (pg13,5)
ECL7	free chlorine (organic and inorganic)	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	■	■	Temp/pH/orp (pg13,5)
ECL6	free chlorine (organic and inorganic)	0-10 mg/l [ppm] Cl_2	0,4-5	5-40	6x8	■	■	Temp/pH/orp

ELECTRODE

model	description
ELE/PR	ELE/PR (Pt / Cu) for ECL6 / ECL7 2MT 2 cables
ELE/PR BNC	ELE/PR (Pt / Cu) for ECL6 / ECL7 2MT BNC
ELE12 2 FILI	ELE12 (Ag / Pt) for ECL12 2MT 2 cables
ELE12 BNC	ELE12 (Ag / Pt) for ECL12 2MT BNC
ELE/P	ELE/P (Pt) for ECL20 2MT 1 cable
ELE/A	ELE/A (Ag) for ECL5 2MT 1 cable
ELE/R	ELE/R (Cu) for ECL20 2MT 1 cable

BALLS

model	description
BIG2	Glass balls ø2 for ECL4/5/6/7 (100PZ)

PROXIMITY SENSOR

model	description
SEPR	SEPR proximity sensor (2m)

LED STRIP

description
LED strip for ECL6

SCL
Closed amperometric cells

technical data
manuals
datasheets
exploded-views

- Chlorine probes for chlorine and chlorine bioxide measurement
- Stables and reliables measurement even for low chlorine concentration
- Low pH dependency for chlorine bioxide measurement
- They are equipped with a special membrane system, except for SCL17 and SCL 18. The probe has to be installed into a probe holder and connected to a measuring and control instrument
- 1 m cable

model	measure	range	bar	temperature (°C)
SCL2/0,5	chlorine dioxide	0-0,5 mg/l [ppm] ClO_2	0-1	1-40
SCL2/2	chlorine dioxide	0-2 mg/l [ppm] ClO_2	0-1	1-40
SCL2/20	chlorine dioxide	0-20 mg/l [ppm] ClO2	0-1	1-40
SCL3S/20	free chlorine (organic and inorganic)	0-20 mg/l [ppm] Cl_2	0-1	5-45
SCL3N/0,5	free chlorine (inorganic)	0-0,5 mg/l [ppm] Cl_2	0-1	1-40
SCL3N/2	free chlorine (inorganic)	0-2 mg/l [ppm] Cl_2	0-1	1-40
SCL3N/20	free chlorine (inorganic)	0-20 mg/l [ppm] Cl_2	0-1	1-40
SCL8/2	total chlorine	0-2 mg/l [ppm] Cl_2	0-1	1-40
SCL8/20	total chlorine	0-20 mg/l [ppm] Cl_2	0-1	1-40
SCL9/200	hydrogen peroxyde	0-200 mg/l [ppm] H_2O_2	0-1	1-40
SCL10/2	ozone	0-2 mg/l [ppm] O_3	0-1	1-40
SCL10/20	ozone	0-20 mg/l [ppm] O_3	0-1	1-40
SCL11/200	peracetic acid	0-200 mg/l [ppm] PAA	0-1	1-40
SCL11/2000	peracetic acid	0-2000 mg/l[ppm] PAA	0-1	1-40
SCL17/0,5	chlorine dioxide self cleaning	0-0,5 mg/l [ppm] ClO_2	0-8	5-70
SCL17/2	chlorine dioxide self cleaning	0-2 mg/l [ppm] ClO_2	0-8	5-70
SCL17/20	chlorine dioxide self cleaning	0-20 mg/l [ppm] ClO_2	0-8	5-70
SCL18/0,5	free chlorine (inorganic) self cleaning	0-0,5 mg/l [ppm] Cl_2	0-8	5-70
SCL18/2	free chlorine (inorganic) self cleaning	0-2 mg/l [ppm] Cl_2	0-8	5-70
SCL18/20	free chlorine (inorganic) self cleaning	0-20 mg/l [ppm] Cl_2	0-8	5-70
SBR/20	bromine	0-20 mg/l [ppm] br	0-1	1-40
SCT/2	chlorites	0-2 mg/l [ppm] ClO_2-	0-1	1-40

MEMBRANE

model	description
MESCL	MESCL MEMBRANE FOR SCL3S-SCL8/20-SCL8/2
MESCL3N	MESCL3N MEMBRANE FOR SCL-3N/2-SCL3N/20-SBR1/20
MESCL2	MESCL2 MEMBRANE FOR SCL2/2-SCL2/20-SCL10/2-SCL10/20
MESCL9	MESCL9 MEMBRANE FOR SCL9/50/200
MESCL11	MESCL11 MEMBRANE FOR SCL11/200

ELECTROLYTE

model	description
ELESCL	ELESCL ELECTROLYTE FOR SCL3S-SCL8/2-SCL8/20
ELESCL3N	ELESCL3N ELECTROLYTE FOR SCL-3N/2-SCL3N/20 100ml
ELESCL17/18	ELESCL17/18 ELECTROLYTE FOR SCL17/2-17/20-18/2-18/20 100ml
ELESCL2	ELESCL2 ELECTROLYTE FOR SCL2
ELESCL9	ELESCL9 ELECTROLYTE FOR SCL9/200
ELESCL10	ELESCL10 ELECTROLYTE FOR SCL10
ELESCL11	ELESCL11 ELECTROLYTE FOR SCL11
ELESBR	ELESBR ELECTROLYTE FOR SBR1/20

EPH
pH probes

- Probes for pH measurement
- Epoxy body
- Cable available in different length

technical data
manuals
datasheets
exploded-views

model	electrode	range	bar	temperature (°C)	connection	cable (m)	body	min conductivity
EPHS	pH combined	0 - 14 pH	0 - 7	0 - 70	bnc	1,5	epoxy	100 µS
EPHM	pH combined	0 - 14 pH	0-7	0 - 70	bnc	5	epoxy	100 µS
EPHL	pH combined	0 - 14 pH	0-7	0 - 70	bnc	15	epoxy	100 µS
EPHSN6	pH combined	0 - 14 pH	0 - 7	0 - 70	sn6/pg13,5	0	epoxy	100 µS
EPHMD	pH - double junction - combined	0 - 14 pH	0 - 7	0 - 70	bnc	5	epoxy	100 µS
EPHMD/100	pH - double junction - combined	0 - 14 pH	0 - 7	0-100	bnc	5	epoxy	100 µS
EPHMD/SN6	pH - double junction - combined	0 - 14 pH	0 - 7	0 - 70	sn6/pg13,5	0	epoxy	100 µS
EPHMD/LI	pH - double junction - combined for Low Ionic application (low conductivity)	0 - 14 pH	0 - 7	0 - 70	bnc	5	epoxy	3 µS
EPHSC	pH - double junction - combined - self cleaning	0 - 14 pH	0 - 7	0 - 70	bnc	5	epoxy	100 µS
EPHM/HF	pH - double junction - combined - fluoridric acid resistant (1%)	0 - 14 pH	0 - 7	0-70	bnc	0	epoxy	100 µS
EPHSC/SN6	pH - double junction - combined - self cleaning	0 - 14 pH	0 - 7	0 - 70	sn6/pg13,5	0	epoxy	100 µS
EPHSN6/GK	pH - High temperature (-5/135 °C) 0/14 pH	0 - 14 pH	0 - 10	-5 - 135	sn6/pg13,5	0	gl	150 µS

ACCESSORIES FOR PH/SN6 PROBES INSTALLATION

model	description
CASN6S	CASN6S BNC/SN6 CABLE 5MT X EPHSN6/ERHSN6
CASN6M	CASN6M-BNC/SN6 CABLE 10MT
CASN6L	CASN6L-BNC/SN6 CABLE 15MT
GHIERA PG13,5	PG13,5 thread nut for pH/ORP probes

BUFFER SOLUTIONS

model	description
BSA	BSA BUFFER SOLUTION PH4 - 50ML
BSB	BSB BUFFER SOLUTION PH7 - 50ML
BSC	BSC BUFFER SOLUTION PH9 - 50ML
BSP	BSP maintenance solution - 50ML

ERH
ORP probes

- Probes for ORP measurement
- Epoxy or glass body
- Cable available in different length

technical data
manuals
datasheets
exploded-views

model	electrode	range	bar	temperature (°C)	connection	cable (m)	body	min conductivity
ERHS	ORP - combined	-1000/+1000 mv	0-7	0-70	bnc	1,5	epoxy	100 µS
ERHM	ORP - combined	-1000/+1000 mv	0-7	0-70	bnc	5	epoxy	100 µS
ERHL	ORP - combined	-1000/+1000 mv	0-7	0-70	bnc	15	epoxy	100 µS
ERHSN6	ORP - combined	-1000/+1000 mv	0-7	0-70	sn6/pg13,5	0	epoxy	100 µS
ERHM/D	ORP - double junction - combined	-1000/+1000 mv	0-7	0-70	bnc	5	epoxy	100 µS
ERHMD/100	ORP - double junction - combined	-1000/+1000 mv	0-7	0-100	bnc	5	epoxy	100 µS
ERHSC	ORP - double junction - combined - self cleaning	-1000/+1000 mv	0-7	0-70	bnc	5	epoxy	100 µS
ERHHLB/SN6	ORP - combined for low Cl_2 concentration	-1000/+1000 mv	0-6	0-80	sn6/pg13,5	0	gl	100 µS
ERHSC/SN6	ORP - double junction - combined - self cleaning	-1000/+1000 mv	0-7	0-70	sn6/pg13,5	0	epoxy	100 µS

ACCESSORIES FOR ORP/SN6 PROBES INSTALLATION

model	description
CASN6S	CASN6S BNC/SN6 CABLE 5MT X EPHSN6/ERHSN6
CASN6M	CASN6M-BNC/SN6 CABLE 10MT
CASN6L	CASN6L-BNC/SN6 CABLE 15MT
GHIERA PG13,5	PG13,5 thread nut for pH/ORP probes

BUFFER SOLUTIONS

description
BSD BUFFER SOLUTION 650MV - 50ML

ECDH
High linearity conductivity probes

technical data
manuals
datasheets
exploded-views

- High linearity conductivity probes
- Epoxy body
- Platinum electrodes
- 5 m cable/connector

model	electrode	range	bar	temperature (°C)	temp. sensor	cable (m)	body
ECDHL/10	platinum k10	20-200 ms	0-7	0-70	-	5	epoxy
ECDHL/01	platinum k 0,1	0-200 µS	0-7	0-70	-	5	epoxy
ECDHL/1	platinum k 1	0.2-20 ms	0-7	0-70	-	5	epoxy
ECDHLC/01	platinum k 0,1	0-200 µS	0-7	0-70	ntc	5	epoxy
ECDHLC/10	platinum k10	20-200 ms	0-7	0-70	ntc	5	epoxy
ECDHLC/1	platinum k1	0.2-20 ms	0-7	0-70	ntc	5	epoxy
ECDHLCPT/1	platinum k1	0.2-20 ms	0-7	0-70	pt100	5	epoxy
ECDHLCPT/10	platinum k10	20-200 ms	0-7	0-70	pt100	5	epoxy
ECDHLCPT/01	platinum k0,1	0-200 µS	0-7	0-70	pt100	5	epoxy

BUFFER SOLUTIONS

model	description
BSI	BSI BUFFER SOLUTION CD 12880 µS - 50ML
BSE	BSE BUFFER SOLUTION CD1413 µS - 50ML
BSE84	BSE84 BUFFER SOLUTION 84µS - 50ML

CABLE

description
Extra price for each m cable.

ECDC
Conductivity probes with graphite electrode

technical data
manuals
datasheets
exploded-views

- Conductivity probes with graphite electrode
- PVDF body
- 5 m cable/connector (10 m / 15 m / 20 m also available)

model	electrode	range	bar	temperature (°C)	temp. sensor	fittings	cable (m)	body
■ **ECDC/1**	graphite k1	0-20 ms	0-7	0-60	-	R3/4" or G1/2"	5	PVDF
■ **ECDC/10**	graphite k10	0-200 ms	0-7	0-60	-	R3/4"	5	PVDF
■ **ECDCC/1**	graphite k1	0-20 ms	0-7	0-60	ntc	R3/4" or G1/2"	5	PVDF
■ **ECDCC/10**	graphite k10	0-200 ms	0-7	0-60	ntc	R3/4"	5	PVDF
■ **ECDCCPT/1**	graphite k1	0-20 ms	0-7	0-60	pt100	R3/4" or G1/2"	5	PVDF
■ **ECDCCPT/10**	graphite k10	0-200 ms	0-7	0-60	pt100	R3/4"	5	PVDF

Immersion models

model	electrode	range	bar	temperature (°C)	temp. sensor	fittings	cable (m)	body
■ **ECDCIM/1**	graphite k1	0-20 ms	0-7	0-60	-	R3/4" or G1/2"	5	PVDF
■ **ECDCCIM/1**	graphite k1	0-20 ms	0-7	0-60	ntc	R3/4" or G1/2"	5	PVDF
■ **ECDCCIMPT/1**	graphite k1	0-20 ms	0-7	0-60	pt100	R3/4" or G1/2"	5	PVDF
■ **ECDCIM/10**	graphite k10	0-200 ms	0-7	0-60	-	G3/4"	5	PVDF
■ **ECDCCIM/10**	graphite k10	0-200 ms	0-7	0-60	ntc	G3/4"	5	PVDF
■ **ECDCCPTIM/10**	graphite k10	0-200 ms	0-7	0-60	pt100	G3/4"	5	PVDF

BUFFER SOLUTIONS

model	description
BSI	BSI BUFFER SOLUTION CD 12880 µS - 50ML
BSE	BSE BUFFER SOLUTION CD1413 µS - 50ML
BSE84	BSE84 BUFFER SOLUTION 84 µS - 50ML

CABLE

description
Extra price for each m cable.

ECDI

Conductivity with stainless steel electrodes

technical data
manuals
datasheets
exploded-views

- Conductivity probes with SS (AISI 316) electrodes
- PVDF body
- Stainless steel (AISI 316) electrodes
- 5 m cable/connector (10 m / 15 m / 20 m also available)

model	electrode	range	bar	temperature (°C)	fittings	cable (m)	body	temp. sensor
ECDI/01	SS k0,1	0-200 µS	0-7	0-60	R3/4" or G1/2"	5	PVDF	-
ECDI/1	SS k1	0-5 mS	0-7	0-60	R3/4" or G1/2"	5	PVDF	-
ECDIC/1	SS k1	0-5 mS	0-7	0-60	R3/4" or G1/2"	5	PVDF	NTC
ECDIC/01	SS k0,1	0-200 µS	0-7	0-60	R3/4" or G1/2"	5	PVDF	NTC
ECDICPT/01	SS k0,1	0-200 µS	0-7	0-60	R3/4" or G1/2"	5	PVDF	PT100
ECDICPT/1	SS k1	0-5 mS	0-7	0-60	R3/4" or G1/2"	5	PVDF	PT100

Montaggio ad immersione

model	electrode	range	bar	temperature (°C)	cable (m)	body	temp. sensor
ECDIIM/1	SS k1	0-5 mS	0-7	0-60	5	PVDF	-
ECDIIM/01	SS k0,1	0-200 µS	0-7	0-60	5	PVDF	-
ECDICIM/1	SS k1	0-5 mS	0-7	0-60	5	PVDF	NTC
ECDICIM/01	SS k0,1	0-200 µS	0-7	0-60	5	PVDF	NTC
ECDICPTIM/1	SS k1	0-5 mS	0-7	0-60	5	PVDF	PT100
ECDICPTIM/01	SS k0,1	0-200 µS	0-7	0-60	5	PVDF	PT100

BUFFER SOLUTIONS

model	description
BSI	BSI BUFFER SOLUTION CD 12880 µS - 50ML
BSE	BSE BUFFER SOLUTION CD1413 µS - 50ML
BSE84	BSE84 BUFFER SOLUTION 84 µS - 50ML

CABLE

description
Extra price for each m cable.

technical data
manuals
datasheets
exploded-views

EICD
Stainless steel conductivity probes

- Conductivity probes with SS (AISI 316) electrodes
- Stainless steel (AISI 316) body
- Stainless steel (AISI 316) electrodes
- 5 m cable/connector (10 m / 15 m / 20 m also available)

model	electrode	range	bar	temperature (°C)	cable (m)	body	temp. sensor
■ **EICDC/1**	SS k1	0-20 mS	0-15	0-130	5	AISI 316	NTC
■ **EICDC/001**	SS k0,01	0-20 µS	0-15	0-130	5	AISI 316	NTC
■ **EICDC/01**	SS k0,1	0-200 µS	0-15	0-130	5	AISI 316	NTC
■ **EICDCPT/001**	SS k0,01	0-20 µS	0-15	0-130	5	AISI 316	PT100
■ **EICDCPT/1**	SS k1	0-20 mS	0-15	0-130	5	AISI 316	PT100
■ **EICDCPT/01**	SS k0,1	0-200 µS	0-15	0-130	5	AISI 316	PT100
■ **EICDHPT/1**	SS k1	0-20 mS	0-15	0-200	5	AISI 316	PT100
■ **EICDHPT/01**	SS k0,1	0-200 µS	0-15	0-200	5	AISI 316	PT100
■ **EICDHPT/001**	SS k0,01	0-20 µS	0-15	0-200	5	AISI 316	PT100

BUFFER SOLUTIONS

model	description
BSI	BSI BUFFER SOLUTION CD 12880 µS - 50ML
BSE	BSE BUFFER SOLUTION CD1413 µS - 50ML
BSE84	BSE84 BUFFER SOLUTION 84 µS - 50ML

CABLE

description
Extra price for each m cable.

ECDIND
Inductive conductivity probes

technical data
manuals
datasheets
exploded-views

- Inductive conductivity probe
- PEEK body
- Stable reading
- 4 m cable/connector
- Autorange

model	range	bar	temperature (°C)	cable (m)	body	compensation
■ **ECDINDPT**	0,1-3mS;0,3-30mS;0,3-300mS	0-8	0-85	4	peek	PT100

model	range	bar	temperature (°C)	cable (m)	body	compensation
■ **ECDSINDPT**	0,3-10 mS	0-8	0-85	4	peek	PT100

BUFFER SOLUTIONS

model	description
BSI	BSI BUFFER SOLUTION CD 12880 µS - 50ML
BSE	BSE BUFFER SOLUTION CD1413 µS - 50ML
BSE84	BSE84 BUFFER SOLUTION 84 µS - 50ML

CABLE

description
Extra price for each m cable.

EFL
Fluoride probes

technical data
manuals
datasheets
exploded-views

- Ion Selective Electrodes (ISE's) for Fluoride (F-)
- Stables and reliables measurement even for low chlorine concentration
- These electrodes use just one electrode to measure ppm of ions.

model	measure	isopotential point	pH range	concentration range	temperature (°C)	pressure (bar)	cable (m)
■ **EFL**	Fluoride (F-)	F- : 240 + = / -20mV	F-: 5-7 pH	F-= 1 x 10-5 to 1m	0-60	0-1	1 m

EOLUM
Dissolved oxygen probes

technical data
manuals
datasheets
exploded-views

- Dissolved oxygen probes
- Dissolved Oxygen probe based on fluorenscence quenching principle measurement
- Optical technology: low maintenance and high efficiency
- 15 m cable/connector

model	range	bar	temperature (°C)	fitting	cable (m)	compensation
■ **EOLUM**	0-20 mg/l O_2	0-10	-5 - 60	G1"	15	-

OPTIC MEMBRANE

model	
MEMBRANE FOR EOLUM OPTIC	

CABLE

description	
Extra price for each m cable	

ECORR
Corrosion

technical data
manuals
datasheets
exploded-views

- Corrosion rate sensor
- Anti-electromagnetic interference (anti-EMI) design with stainless steel sensor body
- RS-485 communication
- Three O-ring grooves positioned on the sensor body allow inser- tion depth control
- Ultra-low corrosion rate down to 0.001 MPY can be accurately measured
- Generalized Corrosion & Localized Corrosion Rate

model	general range	localized range	pressure	temperature °C	cable (m)	conductivity
■ **CR-300**	0.001 - 10 MPY	0 - 100 (304 stainless steel in 10% ferric chloride as 100)	0 - 7	-10 - 50	1,5	10 - 10,000 µS/cm

ELECTRODE

model	description
CE-01	STEEL ELECTRODE for ECORR CR-300 probe
CE-02	COPPER ELECTRODE for ECORR CR-300 probe
CE-03	304 SS ELECTRODE for ECORR CR-300 probe
CE-04	BRASS ELECTRODE for ECORR CR-300 probe
CE-05	6061 ALUMINIUM ELECTRODE for ECORR CR-300 probe

ETRC2
PTSA probes

technical data
manuals
datasheets
exploded-views

- Tracers probes
- PVC body
- LED signal source

model	measure	range	bar	temperature (°C)	cable (m)	compensation
ETRC2	tracers	1-300 ppb	0-7	0-50	0,8	-

BUFFER SOLUTION

description
BSTRC2 BUFFER SOLUTION - 500ML

ETORB2-A
Turbidity probes

technical data
manuals
datasheets
exploded-views

- Turbidity measurement system according to the 90° scattered light method
- Self-cleaning
- Inclined plain sensor surface
- Factory calibrated (“plug and play”)
- Cable/connector 5 m
- ETORB2-IM: immersion probe

model	measure	range	bar	temperature (°C)	cable (m)	compensation
ETORB2-IM	turbidity	0-4000 NTU	0-1	0-40	10	PT100
ETORB2-A	turbidity	0-4000 NTU	0-1	0-40	5	PT100

ETE
Temperature probes

technical data
manuals
datasheets
exploded-views

- Temperature probes
- PVDF body
- 5 m cable

model	electrode	range	bar	fittings	cable (m)	sensor
ETEP/CH18L	temperature compensation	0-100°C	0-10	G1/2”	5	NTC 10Kohm
ETEP/CH18	temperature compensation	0-100°C	0-10	G1/2”	5	NTC 10Kohm
ETEPT/CH18L	temperature compensation	0-100°C	0-10	G1/2”	5	PT100
ETEPT/CH18	temperature compensation	0-100°C	0-10	G1/2”	5	PT100

SLV
Visual level indicator

technical data
manuals
datasheets
exploded-views

› Visual level forCNT PD tanks

model	tank
■ **SLV50**	visual level indicator for 50 cnt pd
■ **SLV200**	visual level indicator for 200 cnt pd
■ **SLV110**	visual level indicator for 110 cnt pd
■ **SLV500**	visual level indicator for 500 cnt pd

■

CNT PD
Chemical tanks

- PE tanks for chemical mixing and dosing system with level indicator
- Tanks can be assembled with: metering pumps; suction lances; mixers; feed water valve; outgassing pump hose; outgassing valve on the higher top side; bleed water valve
- Dimensions: the dosing station footprint is only as large as the diameter of the chemical tank
- Mixers screwed on thread metal insert are tilted for better central mixing
- Dummy holes ensure chemical isolation
- Ready to be used with suction lances mod. LASP4 and LASP5 and SLL level laser sensors.

model	volume (l)	dimensions (mm) - Øxh	pumps	mixers
CNT PD50	50	420x505	V/K/Prisma	Mix man
CNT PD110	110	495x735	V/K/A/T/Prisma	Mix8n/mixv8n
CNT PD200	200	610x850	V/K/A/T/Prisma	Mix8n/mixv8n/mix4n/ mixv4n/mixv2n
CNT PD500	500	780x1200	V/K/A/T/Prius/Prisma	Mix4n/mixv4n/mixv2n
CNT PD1000	1000	1120x1240	V/K/A/T/Prius/Prisma	Mix4n/mixv2n/mix2n

[1] Models ready for 2 suction lances
[2] Support for mixer and pump mounting: RIN10N

BLUE OR YELLOW (CNT PD 50 and CNT PD 120) TANKS: 10% EXTRA PRICE.

SAFETY BUNDS

model	volume (l)	dimensions (mm) - Øxh	tanks
COS PD50	60	510	Cnt pd 50
COS PD110	120	545	Cnt pd 110
COS PD200	300	695	Cnt pd 200
COS PD500	600	840	Cnt pd 500
COS PD1000	1500	1240	Cnt pd 1000

BLUE OR YELLOW (COS PD 50 and COS PD 120) SAFETY BUNDS: 10% EXTRA PRICE

ACCESSORIES

model	description
10821321	Bleed water valve kit 1/2" cnt pd
10820691	Feed water valve kit 1/2" cnt pd
10868881	Feed and bleed kit 1" cnt pd500
RIN10	Support for mixer and pump mounting x cnt pd1000 PVC sp.=10mm

MIX

Mixers with monophase and triphase motors

- The mixer is used with size tank from 120 l to 1000 l
- Main axis in Stainless Steel PVC coated
- Different shaft height
- Tank fixing flange

model	description [1]	height (cm) [1]	tanks	impeller
■ **MIX2NMON 1100/65RPM**	0,37 kw / 65 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX2NMON 1100/200RPM**	0,37 kw / 200 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX2NMON 1100/400RPM**	0,37 kw / 400 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX2NTRI 1100/65RPM**	0,37 kw / 65 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX2NTRI 1100/200RPM**	0,37 kw / 200 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX2NTRI 1100/400RPM**	0,37 kw / 400 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NMON 730/65RPM**	0,18 kw / 65 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NMON 730/200RPM**	0,18 kw / 200 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NMON 730/400RPM**	0,18 kw / 400 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NMON 980/65RPM**	0,18 kw / 65 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NMON 980/200RPM**	0,18 kw / 200 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NMON 980/400RPM**	0,18 kw / 400 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NMON 1100/65RPM**	0,18 kw / 65 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NMON 1100/200RPM**	0,18 kw / 200 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NMON 1100/400RPM**	0,18 kw / 400 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NTRI 730/65RPM**	0,18 kw / 65 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NTRI 730/200RPM**	0,18 kw / 200 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NTRI 730/400RPM**	0,18 kw / 400 rpm	73	Cnt pd 200	4 blade d. 200 mm
■ **MIX4NTRI 980/65RPM**	0,18 kw / 65 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NTRI 980/200RPM**	0,18 kw / 200 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NTRI 980/400RPM**	0,18 kw / 400 rpm	98	Cnt pd 500	4 blade d. 200 mm
■ **MIX4NTRI 1100/65RPM**	0,18 kw / 65 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NTRI 1100/200RPM**	0,18 kw / 200 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX4NTRI 1100/400RPM**	0,18 kw / 400 rpm	110	Cnt pd 1000	4 blade d. 200 mm
■ **MIX8NMON 630/65RPM**	0,09 kw / 65 rpm	63	Cnt pd 110	3 blade d. 150 mm
■ **MIX8NMON 630/200RPM**	0,09 kw / 200 rpm	63	Cnt pd 110	3 blade d. 150 mm
■ **MIX8NMON 730/65RPM**	0,09 kw / 65 rpm	73	Cnt pd 200	3 blade d. 150 mm
■ **MIX8NMON 730/200RPM**	0,09 kw / 200 rpm	73	Cnt pd 200	3 blade d. 150 mm
■ **MIX8NTRI 630/65RPM**	0,09 kw / 65 rpm	63	Cnt pd 110	3 blade d. 150 mm
■ **MIX8NTRI 630/200RPM**	0,09 kw / 200 rpm	63	Cnt pd 110	3 blade d. 150 mm
■ **MIX8NTRI 730/65RPM**	0,09 kw / 65 rpm	73	Cnt pd 200	3 blade d. 150 mm
■ **MIX8NTRI 730/200RPM**	0,09 kw / 200 rpm	73	Cnt pd 200	3 blade d. 150 mm
■ **MIXV2NMON 730/1400RPM**	0,37 kw / 1400 rpm	73	Cnt pd 200	marine d. 90 mm
■ **MIXV2NMON 980/1400RPM**	0,37 kw / 1400 rpm	98	Cnt pd 500	marine d. 90 mm
■ **MIXV2NMON 1100/1400RPM**	0,37 kw / 1400 rpm	110	Cnt pd 1000	marine d. 90 mm
■ **MIXV2NTRI 730/1400RPM**	0,37 kw / 1400 rpm	73	Cnt pd 200	marine d. 90 mm
■ **MIXV2NTRI 980/1400RPM**	0,37 kw / 1400 rpm	98	Cnt pd 500	marine d. 90 mm
■ **MIXV2NTRI 1100/1400RPM**	0,37 kw / 1400 rpm	110	Cnt pd 1000	marine d. 90 mm
■ **MIXV4NMON 730/1400RPM**	0,18 kw / 1400 rpm	73	Cnt pd 200	marine d. 90 mm
■ **MIXV4NMON 980/1400RPM**	0,18 kw / 1400 rpm	98	Cnt pd 500	marine d. 90 mm
■ **MIXV4NTRI 730/1400RPM**	0,18 kw / 1400 rpm	73	Cnt pd 200	marine d. 90 mm
■ **MIXV4NTRI 980/1400RPM**	0,18 kw / 1400 rpm	98	Cnt pd 500	marine d. 90 mm
■ **MIXV8NMON 630/1400RPM**	0,09 kw / 1400 rpm	63	Cnt pd 200	marine d. 70 mm
■ **MIXV8NMON 730/1400RPM**	0,09 kw / 1400 rpm	73	Cnt pd 200	marine d. 70 mm
■ **MIXV8NTRI 630/1400RPM**	0,09 kw / 1400 rpm	63	Cnt pd 110	marine d. 70 mm
■ **MIXV8NTRI 730/1400RPM**	0,09 kw / 1400 rpm	73	Cnt pd 200	marine d. 70 mm

[1] Specify on order: rotation speed (rpm) and shaft height.

MIX MAN
Manual mixers

- Manual mixer suitable for chemical tanks: 50, 110, 200, 500 l
- PVC shaft
- 2-blade impeller

model	height (cm)	tanks	impeller
MIX WITH PISTON	45	Cnt pd 50	-
MIX MAN 45	45	Cnt pd 50	2 blades d. 130 mm
MIX MAN 65	65	Cnt pd 110	2 blades d. 130 mm
MIX MAN 77	77	Cnt pd 200	2 blades d. 130 mm
MIX MAN 110	110	Cnt pd 500	2 blades d. 130 mm

SOIM
Pulses dampeners

- Pulses dampeners without membrane
- Available with PVC or SS or PVDF head wetted parts

model	description	material	o-ring	volume (l)	temperature (°C)	pressure (bar)
SOIM3/D	Pulses dampener 3/8" 4x6	PVC	EPDM	0,09	25	10
SOIM3/V	Pulses dampener 3/8" 4x6	PVC	Fkm b	0,09	25	10
SOIM1/V	Pulses dampener 1/2" 4x6	PVC	Fkm b	0,5	25	5
SOIM1/D	Pulses dampener 1/2" 6x8	PVC	EPDM	0,5	25	5
SOIM1/V	Pulses dampener 1/2" 4x8	PVC	Fkm b	0,5	25	5
SOIM1/D	Pulses dampener 1/2" 8x12	PVC	EPDM	0,5	25	5
SOIM1/D	Pulses dampener 1/2" 8x10	PVC	EPDM	0,5	25	5
SOIM1/D	Pulses dampener 1/2" 4x8	PVC	EPDM	0,5	25	5
SOIM1/D	Pulses dampener 1/2" 4x6	PVC	EPDM	0,5	25	5
SOIM1/V	Pulses dampener 1/2" 12x18	PVC	Fkm b	0,5	25	5
SOIM1/V	Pulses dampener 1/2" 8x12	PVC	Fkm b	0,5	25	5
SOIM1/V	Pulses dampener 1/2" 8x10	PVC	Fkm b	0,5	25	5
SOIM1/V	Pulses dampener 1/2" 6x8	PVC	Fkm b	0,5	25	5
SOIM3K/V	Pulses dampener 3/8" 4x6 PVDF	PVDF	Fkm b	0,09	25	10
SOIM3K/D	Pulses dampener 3/8" 4x6 PVDF	PVDF	EPDM	0,09	25	10
SOIM2,5/V - 3/4"X18	Pulses dampener - 3/4"x18	PVC	Fkm b	2,5	25	10
SOIM2,5/V 3/4"X13	Pulses dampener 3/4"x13	PVC	Fkm b	2,5	25	10
SOIM2,5/D - 3/4"X18	Pulses dampener - 3/4"x18	PVC	EPDM	2,5	25	10
SOIM5/V - 1 1/4"X32	Pulses dampener - 1 1/4"x32	PVC	Fkm b	5	25	10
SOIM5/D - 1 1/4"X32	Pulses dampener - 1 1/4"x32	PVC	EPDM	5	25	10
SOIM1K/V	Pulses dampener PVDF 1/2" 6x8	PVDF	Fkm b	0,5	25	5
SOIM1K/V	Pulses dampener PVDF 1/2" 8x12	PVDF	Fkm b	0,5	25	5
SOIM1/SS/D - R1/2"	Pulses dampener r1/2"	SS	EPDM	0,5	130	10
SOIM1/SS/V - R1/2"	Pulses dampener r1/2"	SS	Fkm b	0,5	130	10

Suction lances

- With level probe, foot valve and height adjustment system
- For technical specifications refer to datasheet or contact technical support

model	material	o-ring	fitting		operating length (cm)
			suction	pipe	
■ **LASP4/D40**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	40
■ **LASP4/D40 TANK**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	40
■ **LASP4/D63**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	63
■ **LASP4/D63 TANK**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	63
■ **LASP4/D75**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	75
■ **LASP4/D95**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	95
■ **LASP4/D108**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	108
■ **LASP4/D122**	PVC	EPDM	1/2″ for hose 4x6	1 1/2″	122
■ **LASP4/V40**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	40
■ **LASP4/V40 TANK**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	40
■ **LASP4/V63**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	63
■ **LASP4/V63 TANK**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	63
■ **LASP4/V75**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	75
■ **LASP4/V95**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	95
■ **LASP4/V108**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	108
■ **LASP4/V122**	PVC	Fkm b	1/2″ for hose 4x6	1 1/2″	122
■ **LASP5/D40**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	40
■ **LASP5/D63**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	63
■ **LASP5/D75**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	75
■ **LASP5/D95**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	95
■ **LASP5/D108**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	108
■ **LASP5/D122**	PVC	EPDM	1/2″ for hose 6x8 or 8x12	1 1/2″	122
■ **LASP5/V40**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	40
■ **LASP5/V63**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	63
■ **LASP5/V75**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	75
■ **LASP5/V95**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	95
■ **LASP5/V108**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	108
■ **LASP5/V122**	PVC	Fkm b	1/2″ for hose 6x8 or 8x12	1 1/2″	122
■ **LASP6/V40**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	40
■ **LASP6/V63**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	63
■ **LASP6/V75**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	75
■ **LASP6/V95**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	95
■ **LASP6/V108**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	108
■ **LASP6/V122**	PVDF	Fkm b	3/8″ for hose 4x6	1 1/2″	122
■ **LASP6/D40**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	40
■ **LASP6/D63**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	63
■ **LASP6/D75**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	75
■ **LASP6/D95**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	95
■ **LASP6/D108**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	108
■ **LASP6/D122**	PVDF	EPDM	3/8″ for hose 4x6	1 1/2″	122

EXTRA

model
EXTRA PRICE FOR EACH M CABLE
EXTRA LASP DOUBLE SUCTION[1] (LASP4/LASP5)
EXTRA LASP DOUBLE LEVEL PROBE[2] (LASP4/LASP6)
EXTRA COLORED LASP

ACCESSORIES

model
KDPV

[1] Double suction requires KDPV kit.
[2] Specify, when ordering, the distance between the floatings
■ Model for 20 kg tank

MFKT
Multifunction valves

- Multifunction valve for pressure, safety, anti-syphon, bleed
- Fittings for different hose diameters
- Discharge hose fitting 4x6

model	material	o-ring	fittings	valves safety	valves pressure	bracket and hose fixing kit
■ **MFKT/V**	PVDF	Fkm b	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	-
■ **MFKT/D**	PVDF	EPDM	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	-
■ **MFKT/D**	PP	EPDM	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	-
■ **MFKT/V**	PP	Fkm b	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	-
■ **MFKTS/V**	PVDF	Fkm b	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	■
■ **MFKTS/D**	PVDF	EPDM	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	■
■ **MFKTS/V**	PP	Fkm b	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	■
■ **MFKTS/D**	PP	EPDM	1/2", 1/2", 3/8"	3-18 bar	1-5 bar	■

LEVEL LANCES
Lances for measuring liquid level


2 LEVELS 3 LEVELS

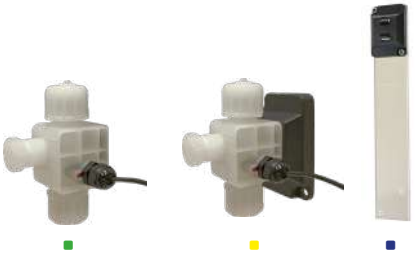
- Up to three level probes
- With height adjustment system

model	height (cm)	tanks	1 level	2 levels	3 levels
■ **LA LIV 40**	40	Cnt pd 50	■	■	■
■ **LA LIV 63**	63	Cnt pd 110	■	■	■
■ **LA LIV 75**	75	Cnt pd 200	■	■	■
■ **LA LIV 108**	108	Cnt pd 500	■	■	■
■ **LA LIV 122**	122	Cnt pd 1000	■	■	■

ACCESSORIES

description
Extra price for each m cable
Kit for connection of two proportional pumps to a pulse water meter. cable bnc/bnc (1m) and tbnc.

SEFL
Flow sensors



- With activity LED

model	material	o-ring	fitting	temperature (°C)	pressure (bar)	bracket and hose fixing kit
■ **SEFL/D**	PP	EPDM	1/2"- 3/8"	45	25	-
■ **SEFL/V**	PVDF	Fkm b	1/2"- 3/8"	45	25	-
■ **SEFL/V/LPV**	PVDF	Fkm b	1/2"- 3/8"	45	25	-
■ **SEFLS/D**	PP	EPDM	1/2"- 3/8"	45	25	■
■ **SEFLS/V**	PVDF	Fkm b	1/2"- 3/8"	45	25	■

PMMA BRACKETS

description
■ Bracket for mounting on KMS MF
■ Bracket for mounting on AMS MF

LINI
Injection lances

- Extension is available in three different length for all models

model	description	material	o-ring	ball valve	temperature (°C)	pressure (bar)
LINI-V 1/2" 4X6	Lini-v injection lance fp 1/2" 4x6	PVDF	Fkm b	-	25	16
LINI-V 1/2" 6X8	Lini-v injection lance fp 1/2" 6x8	PVDF	Fkm b	-	25	16
LINI-V 1/2" 8X12	Lini-v injection lance fp 1/2" 8x12	PVDF	Fkm b	-	25	16
LINI-V 1/2" 8X10	Lini-v injection lance fp 1/2" 8x10	PVDF	Fkm b	-	25	16
LINI-D 1/2" 4X6	Lini-d injection lance ep 1/2" 4x6	PP	EPDM	-	25	16
LINI-D 1/2" 6X8	Lini-d injection lance ep 1/2" 6x8	PP	EPDM	-	25	16
LINI-D 1/2" 8X12	Lini-d injection lance ep 1/2" 8x12	PP	EPDM	-	25	16
LINI-D 1/2" 8X10	Lini-d injection lance ep 1/2" 8x10	PP	EPDM	-	25	16
LINI-V 1/2" 4X8	Lini-v injection lance fp 1/2" 4x8	PVDF	Fkm b	-	25	16
LINIR-V 1/2" 4X8+RUB.	Linir-v injection lance fp 1/2" 4x8+ball valve	PVDF	Fkm b	PVC	25	16
LINIR-D 1/2" 8X12+RUB.	Linir-d injection lance ep 1/2" 8x12+ball valve	PP	EPDM	PVC	25	16
LINIR-D 1/2" 6X8+RUB.	Linir-d injection lance ep 1/2" 6x8+ball valve	PP	EPDM	PVC	25	16
LINIR-D 1/2" 4X8+RUB.	Linir-d injection lance ep 1/2" 4x8+ball valve	PP	EPDM	PVC	25	16
LINIR-D 1/2" 4X6+RUB.	Linir-d injection lance ep 1/2" 4x6+ball valve	PP	EPDM	PVC	25	16
LINIR-V 1/2" 8X12+RUB.	Linir-v injection lance fp 1/2" 8x12+ball valve	PVDF	Fkm b	PVC	25	16
LINIR-V 1/2" 6X8+RUB.	Linir-v injection lance fp 1/2" 6x8+ball valve	PVDF	Fkm b	PVC	25	16
LINIR-V 1/2" 8X10+RUB.	Linir-v injection lance fp 1/2" 8x10+ball valve	PVDF	Fkm b	PVC	25	16
LINIR-V 1/2" 4X6+RUB.	Linir-v injection lance fp 1/2" 4x6+ball valve	PVDF	Fkm b	PVC	25	16
LINIR-K 1/2" 4X6+RUB. PVDF	Linir-k injection lance fp 1/2" 4x6+ball valve PVDF	PVDF	Fkm b	PVDF	25	16
LINIR-K 1/2" 6X8+RUB. PVDF	Linir-k injection lance fp 1/2" 6x8+ball valve PVDF	PVDF	Fkm b	PVDF	25	16
LINI-SS-D 1/2" 4X6	Lini-ss-d injection lance 1/2" 4x6 ss+ep+ss	AISI 316	EPDM	-	150	25
LINI-SS-V 1/2" 4X6	Lini-ss-v injection lance 1/2" 4x6 ss+fp+ss	AISI 316	Fkm b	-	200	25
LINIR-V 3/4" 8X10/8X12	Linir-v 3/4" injection lance with ball valve	PVDF	Fkm b	PVC	25	10
LINIR-D 3/4" 8X10/8X12	Linir-d 3/4" injection lance with ball valve	PVDF	EPDM	PVC	25	10
LINIR-SS-V 1/2" 4X6 +RUB. SS	Linir-ss-v injection lance 1/2" 4x6 ss+f-p+ss+ball valve ss	AISI 316	Fkm b	AISI316	200	25

* LINI with extension

ACCESSORIES

description
Extension x lini/linir 5 cm PVDF +o-ring fp
Extension x lini/linir 5 cm PVDF +o-ring ep
Extension x lini/linir 10 cm PVDF +o-ring fp
Extension x lini/linir 10 cm PVDF +o-ring ep
Extension x lini/linir 15 cm PVDF +o-ring fp
Extension x lini/linir 15 cm PVDF +o-ring ep

ST
Mounting brackets

- Self-tapping screws included

model	mounting	pump models	material
STAMS	side	AMS	PVC
STAMS2	Frontal	AMS	PVC
STF	On tank	F/FMS	PP
STK1	On tank	K/KMS	PVC
STKN	Frontal	K/KMS	PP
STPRISMA	Frontal	Prisma	PP
STPRIUS	Frontal	Priusd/PriusP	PP
STPRIUS1	On tank	Priusd/PriusP	PVC
STPRIUS-SS	Frontal	Prius	AISI 304
STPRIUSMF	On tank	PriusDMF/PriusPMF	PVC
STPRIUSMF2	Frontal	PriusDMF/PriusPMF	PVC
STT	On tank	T/TMS	PVC
STT/P	On tank	T/TMS	PVC
STVN	On tank	V/VMS	PVC
STW	On tank	WDPHxx	PVC

PEL
In-line probe holders

- PVDF, PVC, PP or Stainless steel body
- In-line, "T" or saddle connection

model	electrodes connection	fitting	material	temperature (°C)	pressure (bar)	installation
PEACH28	1 (diam.12)	1/2"	PVDF	90	7	in-line
PEACH28/PG 13,5 (SN6)	1 (diam.12-pg13,5)	1/2"	PVDF	90	7	in-line
PEB 3/4"	1 (diam.12)	3/4"	PP	40	7	in-line
PEL-E	Eolum	Pn16 diam.40	PVC	40	7	"T" connection
PEL-IND-SS	Ecdinpt	1 1/4"	SS	80	7	"T" connection
PEL-IND40	Ecdinpt	Pn16 diam.40	PVC	40	7	"T" connection
PEL-IND50	Ecdinpt	Pn16 diam.50	PVC	40	7	"T" connection
PEL-IND63	Ecdinpt	Diam. 63 / 1 1/2"	PVC	40	7	saddle connection
PEL-IND75	Ecdinpt	Diam. 75/ 1 1/2"	PVC	40	7	saddle connection
PEL-IND90	Ecdinpt	Diam. 90 / 1 1/2"	PVC	40	7	saddle connection
PEL-IND110	Ecdinpt	Diam. 110 / 1 1/2"	PVC	40	7	saddle connection
PEL-IND125	Ecdinpt	Diam. 125 / 1 1/2"	PVC	40	7	saddle connection
PEL-IND160	Ecdinpt	Diam. 160 / 1 1/2"	PVC	40	7	saddle connection
PEL-INDC	Ecdinpt	Pn16 diam.40	PVC-c	80	7	"T" connection
PEL/PG13,5	1 (diam.12-pg13,5)	1/2"	PVDF	90	7	"T" connection
PEL/PG13,5 3/4"	1 (diam.12)	3/4"	PVDF	90	7	"T" connection
PEL 1/2"	1 (diam.12)	1/2"	PVDF	90	7	"T" connection
PEL 3/4"	1 (diam.12)	3/4"	PVDF	90	7	"T" connection
PELC 1/2"	1 (diam.12)	1/2"	PVDF	90	7	saddle connection
PELC 3/4"	1 (diam.12)	3/4"	PVDF	90	7	"T" connection
PELS-IND	Ecdsinpt	Pn16 diam.40	PVC	40	7	"T" connection

NPED
Off-line probe holders

- SAN transparent or black body
- On request it is possible to have one or two additional holes (1/2" or 3/4")

model	electrodes connection	flow sensor	fitting	temperature (°C)	pressure (bar)
NPED-E	Eolum	-	6x8	50	5
NPED-E2	Etorb2	-	6x8	40	5
NPED-E2-EV	Etorb2+valv. mot. 3/4"	-	6x8	40	5
NPED-IND	Ecdindpt	-	6x8	40	5
NPED-IND PP	Ecdindpt	-	6x8	60	5
NPED-INDS	Ecdindspt	-	6x8	40	5
NPED1	2 (ø 12-pg13,5)	-	6x8	40	5
NPED2	2 (epoxy ø 12)	-	6x8	40	5
NPED4	2 (epoxy ø 12)	N.c.	6x8	40	5
NPED4-1/2	2 (epoxy ø 12) 1 (1/2")	N.o.	6x8	40	5
NPED4/2F	2 (epoxy ø 12)	2 wires for N.C. contact instrument	6x8	40	5

ACCESSORIES

description
Cleaning Kit for NPED-E2-EV

PEC
Immersion probe holders

- pH / Redox Ø 12 submersion probe-holder
- SN6 (pg13.5) available

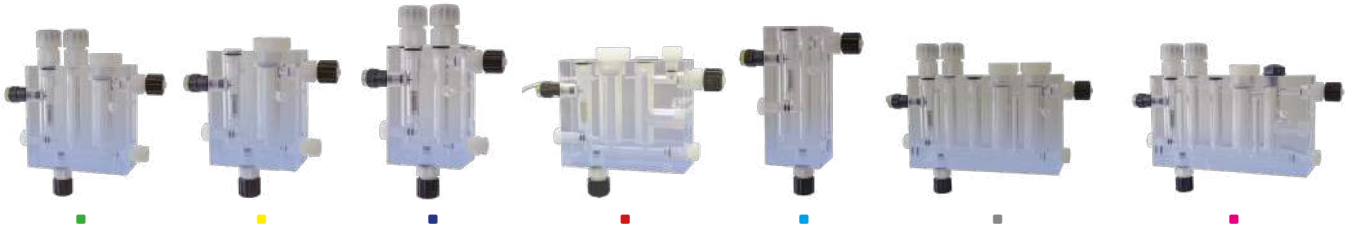
model	electrodes connection	material	length (m)	temperature (°C)	self cleaning
PEC-E	Eolum	PP	1	80	-
PEC	1 (ø 12)	PP	1	80	-
PEC/SN6	1 (sn6 ø 12-pg13,5)	PP	1	80	-
PECIMM	1 cd (3/4")	PP	1	80	-
PEC-IND	Ecdindpt	PVC	1	40	-
PECAP-E	Eolum	PVC	1	40	■
PEC-E2	Etorb2	PVC	1	40	-
PECAP/SN6	1 (sn6 ø 12-pg13,5)	PP/PVC	1	40	■
PEC2/PG13,5	2 (ø 12-pg13,5)	PVC	1	40	-
PECAP2/PG13,5	2 (ø 12-pg13,5)	PVC	1	40	■

FIXING FLANGES

description
PVC fixing flange for PEC-E or PECAP
PVC fixing flange for PEC/PECIM
PP fixing flange for PEC-IND

PEF
Off-line probe holders

- Off-line probe holders for closed amperometric cells
- With flow level control, proximity switch and capacity stabilizer (0,4 / 3 bar)
- PMMA body and PVDF fittings
- Off-line probe holders for membrane probes (SCL3, SCL2, SCL8, SCL9, SCL10, SCL11, SBR, SCT) have got an anti-vacuum device



model	electrodes connection	fitting	temperature (°C)	pressure (bar)	hose
PEF1R	1 x scl; 2 x ø 12; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF1ER	1 x scl; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF1ER/K	1 x scl; 1 x temp.	6x8 PVDF	80	5	4 m PVDF
PEF1R/K	1 x scl; 2 x ø 12; 1 x temp.	6x8 PVDF	80	5	4 m PVDF
PEF2	2 x ø 12; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF2/K	2 x ø 12; 1 x temp.	6x8 PVDF	80	5	4 m PVDF
PEF3	2 x ø 12 - pg13,5; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF5R	1 x scl; 2 x ø 12 - pg13,5; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF5R/K	1 x scl; 2 x ø 12 - pg13,5; 1 x temp.	6x8 PVDF	80	5	4 m PVDF
PEF22R	2 x scl; 2 x ø 12; 1 x temp.	6x8 PVDF	50	5	4 m pe
PEF23R	1 x scl; 2 x ø 12; 1 x temp.; 1 x cd (3/4")	6x8 PVDF	50	5	4 m pe
PEF24R	1 x efl	6x8 PVDF	50	5	4 m pe
PEF26R	1 x scl; 1 x efl	6x8 PVDF	50	5	4 m pe
PEF27R	1 x scl; 1 x cd (3/4")	6x8 PVDF	50	5	4 m pe

PROXIMITY SENSOR

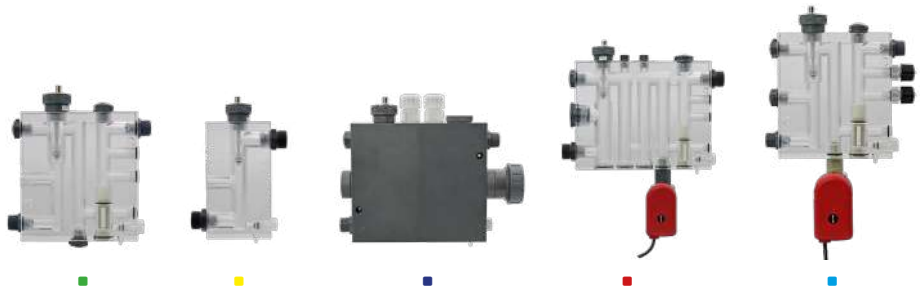
description
Inductive proximity sensor SEPR

LED STRIP

description
LED strip

MANIFOLD
Manifold with flow sensor

- PMMA standard (except for MAPLTR and MAPLTRE in PVC)
- On request available PVC manifold without extra price



model	power supply (VAC)	electrodes connection	temperature (°C)	pressure (bar)	injection points	valve		inductive probe version
						motorized	no-return	
MANIFOLD/1	-	Cd (3/4")	50	5	2	-	-	■
MANIFOLD/3	-	Cd (3/4")	50	5	2	-	-	■
MANIFOLD/E/1	-	Cd (3/4")	50	5	0	-	-	■
MANIFOLD/E/3	-	Cd (3/4")	50	5	0	-	-	■
MANIFOLD/EV/1	230	Cd (3/4")	50	5	2	1	■	■
MANIFOLD/EV/3	230	Cd (3/4")	50	5	2	3/4"	■	■
MANIFOLD/EV/PLUS/1	230	Cd (3/4"); 2 x ø 12	50	5	2	1	■	■
MANIFOLD/EV/PLUS/3	230	Cd (3/4"); 2 x ø 12	50	5	2	3/4"	■	■
MANIFOLD/EV/PLUS/3 115VAC	115	Cd (3/4"); 2 x ø 12	50	5	2	3/4"	■	
MAPLTR	-	ETRC2; 2 x ø 12	40	5	0	-	-	
MAPLTRE	-	ETRC2; ecdcc; 2 x ø 12	40	5	0	-	-	
MAPLTRI	-	ETRC2; ecdind; 2 x ø 12	40	5	0	-	■	
MAPLTRIS	-	ETRC2; ecdsind; 2 x ø 12	40	5	0	-	-	

ACCESSORIES

model	description
SF/2F	Manifold flow sensor with 2 wires instrument connection (2m)
SF/2F	Manifold flow sensor with 2 wires instrument connection (1m)
SF/BNC	Manifold flow sensor with BNC pump connection (2m)
SF/BNC	Manifold flow sensor with BNC pump connection (1m)
MOTORIZED VALVE 1"	Motorized valve 1" 230vac ip54
MOTORIZED VALVE 1" 24VAC	Motorized valve 1" 24vac ip54
MOTORIZED VALVE 1-1/2"	Motorized valve 1-1/2" 230vac ip54
MOTORIZED VALVE 1-1/4"	Motorized valve 1-1/4" 230vac
MOTORIZED VALVE 2"	Motorized valve 2" 230vac
MOTORIZED VALVE 3/4"	Motorized valve 3/4" 230vac ip54
MOTORIZED VALVE 3/4" 24VAC	Motorized valve 3/4" 24vac ip54

PIPELINE MANIFOLD

Pipeline manifold with flow sensor

- Motorized valve
- Ball valve water inlet
- Ball valve water outlet
- No-return valve
- Flow sensor
- 3 injection points
- Cross connection for conductivity and pH probe (Redox on request)
- Probes not included

model	description	hose
MANIFOLD/TUBI/EV 1"	Pipeline manifold 230vac probe ecdc	1
MANIFOLD/TUBI/EV 1"	Pipeline manifold 230vac probe ecdind	1
MANIFOLD/TUBI/EV 1-1/2"	Pipeline manifold 230vac probe ecdind	1 1/2"
MANIFOLD/TUBI/EV 1-1/4"	Pipeline manifold 230vac probe ecdind	1 1/4"
MANIFOLD/TUBI/EV 1-1/4"	Pipeline manifold 230vac probe ecdcc	1 1/4"
MANIFOLD/TUBI/EV 2"	Pipeline manifold 230vac probe ecdind	2
MANIFOLD/TUBI/EV 3/4"	Pipeline manifold 230vac probe ecdind	3/4"
MANIFOLD/TUBI/EV 3/4"	Pipeline manifold 230vac probe ecdc	3/4"

ACCESSORIES

model	description
SF/2F	Manifold flow sensor with 2 wires instrument connection (2m)
SF/2F	Manifold flow sensor with 2 wires instrument connection (1m)
SF/BNC	Manifold flow sensor with BNC pump connection (2m)
SF/BNC	Manifold flow sensor with BNC pump connection (1m)
MOTORIZED VALVE 1"	Motorized valve 1" 230vac ip54
MOTORIZED VALVE 1" 24VAC	Motorized valve 1" 24vac ip54
MOTORIZED VALVE 1-1/2"	Motorized valve 1-1/2" 230vac ip54
MOTORIZED VALVE 1-1/4"	Motorized valve 1-1/4" 230vac
MOTORIZED VALVE 2"	Motorized valve 2" 230vac
MOTORIZED VALVE 3/4"	Motorized valve 3/4" 230vac ip54
MOTORIZED VALVE 3/4" 24VAC	Motorized valve 3/4" 24vac ip54

STATIC MIXER

Static mixer

- Static mixing system
- PVC body.
- Filled with PP mixing elements

model	description	fitting
STATIC MIXER 1 1/2	PVC static mixer. Fitting 1 1/4". Inspectionable. 1/2" injection valve - 4x6 0,3 bar.	1-1/2"
STATIC MIXER 1 1/4"	PVC static mixer. Fitting 1 1/2". Inspectionable. 1/2" injection valve - 4x6 0,3 bar.	1-1/4"
STATIC MIXER 2	PVC static mixer. Fitting 2". Inspectionable. 1/2" injection valve - 4x6 0,3 bar.	2"

NFIL
Water filters with 6x8 hose fittings

- Simple installation
- Bracket for wall mounting
- Transparent cup (SAN housing)

model	filter	cartridge	fitting	temperature (°C)	pressure (bar)
■ **NFIL/100**	ø 5" 100 µ	wired PP	6x8	40	5
■ **NFILS/60**	ø 5" (per nped) 60 µ	PET (washable)	6x8	40	5
■ **NFIL/60**	ø 5" 60 µ	PET (washable)	6x8	40	5
■ **NFILS/100**	ø 5" (per nped) 100 µ	wired PP	6x8	40	5
■ **NFIL/60-10"**	ø 10" 60 µ	PET (washable)	6x8	40	5
■ **NFIL/CA**	ø 5"	activated carbon	6x8	30	5
■ **NFILTEMP**	ø 5" 70 µ	SS	6x8	80	5

ACCESSORIES

description
Filter cartridge for nfil/100
Key for nped/nfil
Key for nfiltemp
Filter cartridge for nfil/60
Filter cartridge for nfil/60-10
Filter cartridge for nfil/ca
Filter cartridge for nfil/temp

CORMIS
Corrosion control

- Pipeline corrosion control system
- 600x900 mm panel

model	description
CORMIS3	Cormis3 corrosion control 3 coupons with flow-meter
CORMIS3-E	Cormis3-e corrosion control 3 coupons
■ **CORMIS4**	Cormis4 corrosion control 4 coupons with flow-meter
■ **CORMIS4-E**	Cormis4-e corrosion control 4 coupons

PROXIMITY SENSORS
Water flow detection sensors

model	description
■ **SEPR**	Sepr inductive proximity sensor (2m)
■ **SEFTP**	Paddle flow-sensor for water flow detection on water pipes. Assembly on pipe with fitting.
■ **SEFTC**	Capacitive flow sensore for Saddle connection.

KDPV
Connection kit

model	description
KDPV	Connection kit to control two proportional pumps driven by one pulse emitter water meter. Cable BNC/BNC (1 m) and TBNC

CALIBRATION COLUMN
Calibration column

model	description
CALIBRATION COLUMN 100	100 ml PP calibration column (suction) 4x6
CALIBRATION COLUMN 100	100 ml PP calibration column (suction) 6x8
CALIBRATION COLUMN 250	250 ml PP calibration column (suction) 4x6
CALIBRATION COLUMN 250	250 ml PP calibration column (suction) 6x8
CALIBRATION COLUMN 1000	1000 ml PP calibration column (suction) 6x8

PIPE CUTTER

model	description
PIPE CUTTER	Plastic pipe cutter

12 VDC ACCESSORIES
12 VDC power supply accessories



model	description
■ **SUPP80**	Supp80 photovoltaic panel system support
■ **PAFO8**	Solar panel 12 Vdc - 80W. Dimensions 890 x 655 x 34 mm.
■ **BA55A**	Ba55a 12Vdc battery, 55Ah watertight lead.
■ **RECA**	Battery charge for solar panel (12 Vdc, 10A). IP65 housing.

ADI
Signal amplifier


model	description
■ **ADI1**	1 channel amplifier for pH/ORP electrodes with galvanic isolation. Max 150m.
■ **ADI2**	2 channels amplifier for pH/ORP electrodes with galvanic isolation. Max 150m.

Quick guide to chemical compatibility list

Solenoid driven metering pumps are widely used to dose chemical fluids and it is important that the most suitable material in contact with fluid is selected for each application. This compatibility table serves as a useful help in this respect. All the informations in this list are verified periodically and believed to be correct on the date of issuance. All the informations in this list are based on manufacturer's data and its own experience but since the resistance of any material depends by several factors this list is supplied only as an initial guide, in no way EMEC makes warranties of any matter respect to the informations provided in this list.

Resistance rating

Resistant	1
Fairly resistant	2
Not resistant	3
Not sufficient data	-

Product	Formula	Ceram.	PVDF	PP	PVC	SS 316	PMMA	Hastel.	PTFE	FPM	EPDM	WAX	PE
Acetic Acid, Max 75%	CH3COOH	2	1	1	1	1	3	1	1	3	1	3	1
Hydrochloric Acid, Concentrate	HCl	1	1	1	1	3	1	1	1	1	3	3	1
Hydrofluoric Acid 40%	H2F2	3	1	3	2	3	3	2	1	1	3	3	1
Phosphoric Acid, 50%	H3PO4	1	1	1	1	2	1	1	1	1	1	3	1
Nitric Acid, 65%	HNO3	1	1	2	3	2	3	1	1	1	3	3	2
Sulphuric Acid, 85%	H2SO4	1	1	1	1	2	3	1	1	1	3	3	1
Sulphuric Acid, 98.5%	H2SO4	1	1	3	3	3	3	1	1	1	3	3	3
Amines	R-NH2	1	2	1	3	1	-	1	1	3	3	1	1
Sodium Bisulphite	NaHSO3	1	1	1	1	2	1	1	1	1	1	1	1
Sodium Carbonate (Soda)	Na2CO3	2	1	1	1	1	1	1	1	2	1	1	1
Ferric Chloride	FeCl3	1	1	1	1	3	1	1	1	1	1	1	1
Calcium Hydroxide (Slaked Lime)	Ca(OH)2	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Hydroxide (Caustic Soda)	NaOH	2	3	1	1	1	1	1	1	2	1	2	1
Calcium Hypochlor.(Chlor.ted Lime)	Ca(OCl)2	1	1	1	1	3	1	1	1	1	1	3	1
Sodium Hypochlorite, 12.5%	NaOCl + NaCl	1	1	2	1	3	1	1	1	1	1	2	3
Potassium Permanganate, 10%	KMnO4	1	1	1	1	1	1	1	1	1	1	3	1
Hydrogen Peroxide, 30% (Perydrol)	H2O2	1	1	1	1	1	3	1	1	1	3	3	1
Aluminium Sulphate	Al2(SO4)3	1	1	1	1	1	1	1	1	1	1	1	1
Copper-II-Sulphate (Roman Vitriol)	CuSO4	1	1	1	1	1	1	1	1	1	1	1	1

Materials

Polyvinyldene fluoride	PVDF	Pump head, valve, fittings, hose
Polypropylene	PP	Pump head, valve, fittings, level floater
PVC	PVC	Hose
Stainless steel	SS 316	Pump head, valve
Polymethyl Metacril. (Acrylic)	PMMA	Pump head
Hastelloy C-276	Hastelloy	Injection valve spring
Polytetrafluoroethylene	PTFE	Diaphragm
Fluoroelastomer B (FKM B)	FPM	Sealings
Ethylene propylene	EPDM	Sealings
Nitrile	WAX	Sealings
Polyethylene	PE	Hose

Code builder

Within the EMEC product codes are encoded all the main characteristics that distinguish each dosing pump or control instrument. Through the encoder it is therefore possible to compose the code of a product, selecting the parts of the code, according to the specific requests, among those present for each model in the pricelist tables. Vice versa, starting from a product code, it is possible to decode all the features of the product to which the code refers.

Solenoid-driven, air compressed and stepper motor pumps

1	1	1	2	2	3	3	3	4	0	0	6	6	7

example: KMS 08 008 V 4H 00 G

1 Code	2 Bar	3 l/h	4 Hydraulic Parts	0 - Customization	6 - Power Supply	7 - Color
3 digits	*2 digits* completed with 0 01 - 99	*3 digits* completed with 0 001 - 999	*1 digit*	*2 digits*	*2 digits* 00 - 220 VAC 03 - 115 VAC	*1 digit* G - grey V - green B - blue N - black R - red Y - yellow

Motor-driven pump

1	1	1	1	2	2	2	3	3	3	4	5	6	7	0	0	8

example: PD00 002 M00 K D 1 2 00 N

1 Code	2 Bar	3 l/h	4 Hydraulic Parts	5 - O-ring	6 -Reduction	7 - Motor	0 - Customization	7 - Color
4 digits	*3 digits* 001 - 999	*3 digits* completed with 0 001 - 999 - M00 (1000 = M00)	*1 digit*	*1 digit* V - FKM B D - Dutral W Wax	*1 digit*	*1 digit*	*2 digits*	*1 digit* N - black

Instruments

1	1	1	1	1	1	1	2	3	4	4	5	0	0	6	6	6	6	6

example: LDPHCD B N 03 D 00 51000

1 Code	2 Configuration	3 mA output	4 Power Supply	5 - Color	0 - Customization	6 - Channels
7 digits completed with blank spaces	*1 digit*	*1 digit* S - Yes N - No X - mA output mA input Y - mA input	*2 digits* 0K - 9-240 03 - 115 VAC 04 - 24 VAC 05 - 12 VDC 07 - 24 VDC	*1 digit* A - orange B - blue E - beige G - grey N - black S - no case V - green Y - yellow	*2 digits*	*5 digits* completed with 0 60000 - 66000 - 66600 66660 - 66666

Centurio

1	1	1	1	1	1	2	3	4	4	5	0	0	6	6	6	6	6	6

example: CENT B S 0K V 00 51000

1 Code	2 Configuration	3 mA output	4 Power Supply	5 - Color	0 - Customization	6 - Channels
6 digits completed with blank spaces	*1 digit*	*1 digit* S - Yes X - mA output mA input Y - mA input	*2 digits* 0K - 9-240 03 - 115 VAC 04 - 24 VAC 05 - 12 VDC 07 - 24 VDC	*1 digit* B - blue V - green	*2 digits*	*6 digits* completed with 0 60000 - 66000 - 66600 66660 - 66666

emec®
SIMPLE AS WATER

cod. 20200970

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