





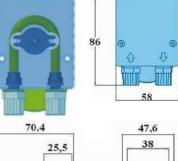
# **PRODUCT SPECIFICATIONS**

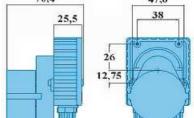


MP1

Compact **Peristaltic Pump** With Fixed Flow

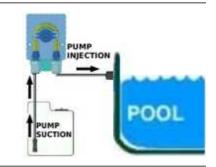
# PUMP VIEW (mm)





# INSTALLATION EXAMPLES

PUMP INJECTIO PUMP SUCTION



COMPONENT	STANDARD	OPTIONAL		
INNER TUBE	Santoprene 4x7	Silicon		
FETTINGS	PP (30% TALK)			
PACKAGE	(cm / Kg)			
A		kG		
For Pump: 12	x 18 x 12	0,35 🛦		
Multipack(9	OPsz): 55 x 39 x 38	32,00 ▲		

#### NOTES

- **MADE IN ITALY**
- 100% Tested before delivery
- **Produced conform to CE laws**

- **Compact Peristaltic Fixed flow pump** •
- **Very Small dimensions**
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Sicurity and reliability.
- Policarbonate front panel.
- **Panel Mounted**
- **Roller holder in PBT** .
- **Rollers in Derlin (self lubricant)**
- Standard Power Supply 240VAC 24VDC

# **Optional:**

- Different power supply 110VAC or other upon request. •
- Hand screws (Plastic Covered)
- **Different Case Color (to be examined case by case)**
- Front polycarbonate panel personalization (customer's logo)
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

#### TECHNICAL INFORMATION Outer Inner CODE Lt/h ml/min Bar Rom/min Watt Power Tube Tube P01AA0106000 SAN, 4x7 4x6 MM 0.6 9 h 10 3.5 230 VAC P01AA0112000 1.2 18.6 20 3.5 230 VAC SAN. 4x7 4x6 MM 1 P01AA0118000 28 30 3.5 230 VAC SAN. 4x7 4x6 MM 1.8 1 P01AA0124000 2.4 230 VAC SAN. 4x7 4x6 MM 40 40 5 h P01AD0124000 40 40 3.5 24 VDC SAN. 4x7 4x6 MM 2.4 1

# **Optional:** • Other Flow-Rates on request

#### rev 2.0 APPLICATIONS

Technical Datasheet

- **Chemical industries** 
  - **Medical industries**
- Laboratories and analysis
- Detergency .
- Disinfection
- **Food industries**





# PRODUCT SPECIFICATIONS





Peristaltic Pump With Fixed Flow

- Peristaltic Fixed flow pump
- Small dimensions
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Sicurity and reliability.
- Policarbonate front panel.
- Panel Mounted
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply 240VAC 24VDC

#### **Optional:**

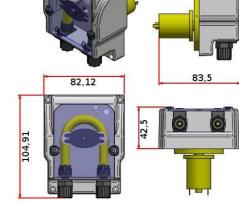
- Different power supply 110VAC or other upon request.
- Hand screws (Plastic Covered)
- Different Case Color (Microdos Standard is Blue)
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

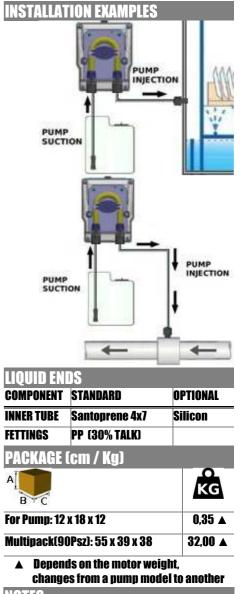
#### **TECHNICAL INFORMATION**

CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	inner Tube	Outer Tube
P01AA0106000	0,6	9	1	10	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0112000	1,2	18,6	1	20	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0118000	1,8	28	1	30	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0124000	2,4	40	1	40	5	230 VAC	SAN. 4x7	4x6 MM
P01AD0124000	2,4	40	1	40	3,5	24 VDC	SAN. 4x7	4x6 MM

#### **Optional:** • Other Flow-Rates on request

- - Chemical industries
  - Medical industries
  - Laboratories and analysis
     Food industries
- Detergency
- Disinfection
- Swimming pools





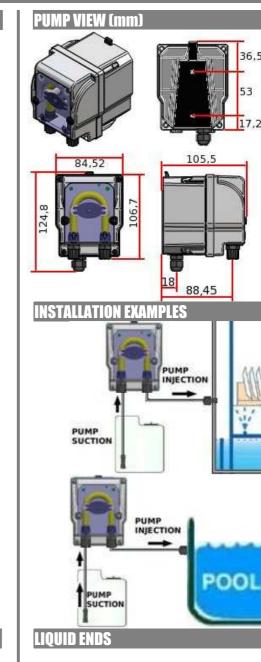
## NOTES

- MADE IN ITALY
- 100% Tested before delivery
  - Produced conform to CE laws









COMPOMENT	MATERIAL
INNER TUBE	SANTOPRENE/SILICON
FETTINGS	POLYPROPILENE

PACKAGE (cm / Kg)	
A	
Pump: 12 x 18 x 12	

Pump: 12 X 18 X 12	U,/U
Multipack (27Psz): 55 x 39 x 38	19,00
PUMPS/PALLET (216 Psz): 80x120x175	160,00

# NOTES

- MADE IN ITALY
- **100% Tested before delivery**
- **Produced conform to CE laws**

- **Peristaltic Fixed flow pump**
- **Small dimension**
- Easy installation and minimal maintenance
- PP box reinforced 30% talk
- **IP 55 protection**
- **Automatic priming**
- Sicurity and reliability
- **Polycarbonate front panel**
- Wall mounting with stirrup
- **Roller holder in PBT**
- **Rollers in Derlin (self lubricant)**
- 2.5 mt power supply cable

# **OPTIONAL:**

- Other Flowrates ( Different than the standard indicated below )
- 110VAC or other tensions upon request
- **Different color (Microdos standard color is Blue)**
- Pump Personalization (Logo Serigraph, Barcode, manuals)
- Extra Installation KIT. injection valves. Foot filters. tube fettings....
- **Hostaform Tube Connection Fettings (Food Applications)**

# INSTALLATION KIT



<b>Mounting Brack</b>	et	Suction 1	ſube	2mt PVC	In	j.Tube 2mt l	PE	
<b>TECHNICAL I</b>	NFOR	MATION						
CODE	Lt/h	ml/min	Bai	Rpm/min	Watt	Power	Inner Tube	Outer Tube
P03AA0115000	1,5	25	1	10	3,5	230VAC	San	4x6
P03AA0103000	3	50	1	20	3,5	230VAC	San	4x6
P03AA0104000	4	72	1	30	3,5	230VAC	San	4x6
P03BD0301200	1	16,7	3	30	3,5	24VDC	Sil	4x6
P03AD0104000	4	75	1	31	3,5	24VDC	San	4x6
P03AD0106000	6	95	1	40	3,5	24VDC	San	4x6
P03AD0112000	12	200	1	105	3,5	24VDC	San	4x6
APPLICATION	S					, i construction of the second s		
• Chem	ical in	dustries			•	Deterge	ncy	
• Medic	al ind	ustries			•	Disinfec	tion	
		s and anal	ysis		•	Swimmi	ng pools	
• Food i	ndust	ries						

MP2-B

**Peristaltic Pump** With Fixed Flow







MP2-R

**Peristaltic Pump** With Speed **Adjustable Flow** 

- Peristaltic Pump with Speed adjustable flow
- **Small dimensions**
- Easy installation and minimal maintenance
- PP box reinforced 30% talk
- **IP 55 protection**
- **Automatic priming** •
- Sicurity and reliability
- **Polycarbonate front panel**
- Wall mounting with stirrup
- **Roller holder in PBT**
- **Rollers in Derlin (self lubricant)**
- 2,5 mt power supply cable .

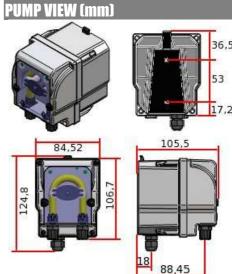
#### **OPTIONAL:**

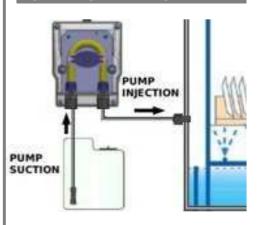
- Other Flowrates ( Different than the standard indicated below )
- **Different color (Microdos standard color is Blue)**
- Pump Personalization (Logo Serigraph, Barcode, manuals)
- Extra Installation KIT. injection valves. Foot filters. tube fettings....
- Hostaform Tube Connection Fettings (Food Applications)
- Low Level Switch sendor (Only on the 240VAC series)

# INSTALLATION KIT

Detergent	Brack	(et V	alve	2mt	PVC	Tube PVC			
For Rinse-Aid	Mount Brack	-		Inj.T 2m		Suction Tube PVC	Foot Filter	Tub Plug PP	
TECHNICA	L INFO	RMATION							
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	Inner Tube	Outer Tube	
P04CM03012	00 1	16,6	3	30	3,5	20-260VAC	Silicon	4x6	
P04AM01041	DO 4	75	1	31	3,5	20-260VAC	Santoprene	4x6	
P04AM01061	DO 6	95	1	40	3,5	20-260VAC	Santoprene	4x6	
P04CA03012	DO 1	16,6	3	30	3,5	240VAC	Silicon	4x6	
P04AA010410	0 4	75	1	31	3,5	240VAC	Santoprene	4x6	
P04AA010610	0 6	95	1	40	3,5	240VAC	Santoprene	4x6	
APPLICATI	ONS	1							
• Lab		ndustries es and anai tries	lysis		•	Detergend Disinfectio Swimming	DN		







INSTALLATION EXAMPLES

LIQUID END	S		
COMPOMENT	STANDARD MATERIAL		OPTIONAL MATERIAL
INNER TUBE	SANTOPRENE /Silicon		
FETTINGS	POLYPROPILENE		
Foot filter	AISI 316		
Injection valve	AISI 316-Viton	AISI (	316-Dutral
PACKAGE (	cm / Kg)		
A			KG
Pump: 12 x 18 )	(12		0,90
Multipack (27	Psz): 55 x 39 x 38		24,30
<b>PUMPS/PALLET</b>	(216 Psz): 80x120	x175	194,50
NOTES			
	N ITALY Cested hefore deli	verv	

100% Tested before delivery

**Produced conform to CE laws** 







MP2-C

Peristaltic Pump Proportional to Conductivity

- Peristaltic pump proportional to conductivity
- 0 20000 µS Range
- K1 conductivity probe
- Small dimensions
- Easy installation and minimal maintenance
- PP box reinforced 30% talk
- IP 55 protection
- Automatic priming
- Sicurity and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- 2,5 mt power supply cable

#### **OPTIONAL:**

- Other Flowrates ( Different than the standard indicated below )
- Different color (Microdos standard color is Blue)
- Pump Personalization (Logo Serigraph, Barcode, manuals)

#### INSTALLATION KIT



TECHNICAL INFORMATION											
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	Inner Tube	Outer Tube			
P05AA0104100	4	75	1	31	3,5	230VAC	Santoprene	4x6			
P05AA0106100	6	95	1	40	3,5	230VAC	Santoprene	4x6			

## APPLICATIONS

Rev 3.0

Technical Datasheet

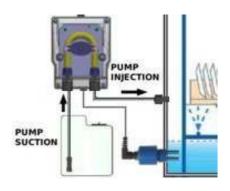
- Chemical industries
- Laboratories and analysis
- Food industries
- Detergency
- Disinfection
  - Swimming pools







# **INSTALLATION EXAMPLES**



LIQUID ENDS							
COMPOMENT	STANDARD Material		OPTIONAL Material				
INNER TUBE	SANTOPRENE /SILICON						
FETTINGS	POLYPROPILENE						
Foot filter	AISI 316						
Injection	AISI 316-Viton	AISI (	316-Dutral				
valve							
PACKAGE (c	:m / Kg)						
ABC			KG				
Pump: 12 x 18 x	12		0,90				
Multipack (27P	°sz): 55 x 39 x 38		24,30				
<b>PUMPS/PALLET</b>	(216 Psz): 80x120	x175	194,50				
NOTES							
<ul> <li>MADE IN ITALY</li> <li>100% Tested before delivery</li> <li>Produced conform to CE laws</li> </ul>							













- Peristaltic Fixed flow pump with compact dimensions
- Small dimensions
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Sicurity and reliability.
- Policarbonate front panel.
- Suitable for being mounted in Watertight Panels
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply 240VAC 24VDC

#### **Optional:**

- Different power supply 110VAC or other upon request.
- Hand screws (Plastic Covered)
- Different Case Color (Microdos Standard is Blue)
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

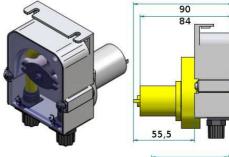
## TECHNICAL INFORMATION

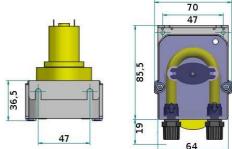
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	inner Tube	Outer Tube
P08CA0305200	0,5	8,3	3	5	8	230 VAC	SILICON	4x6 MM
P08AA0103100	3	50	1	20	8	230 VAC	SANTOPRENE	4x6 MM
P08AD0104000	4	75	1	31	3,5	24 VDC	SANTOPRENE	4x6 MM
P08AD0106000	6	95	1	40	3,5	24 VDC	SANTOPRENE	4x6 MM
P08AD0112000	12	200	1	105	5,5	24 VDC	SANTOPRENE	4x6 MM
P08AD0116000	16	266	1	120	5,5	24 VDC	SANTOPRENE	4x6 MM

#### 2.0 APPLICATIONS

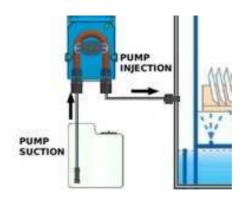
Datas

- Chemical industries
- Medical industries
- Laboratories and analysis
  - Food industries
- Detergency
- Disinfection
- Swimming pools





# INSTALLATION EXAMPLES



COMPONENT	OMPONENT STANDARD						
INNER TUBE	Santoprene 4x7	Silicon					
FETTINGS	PP (30% TALK)						
PACKAGE	(cm / Kg)						
A		KG					
For Pump: 12	0,35 🔺						
	0Psz): 55 x 39 x 38	32,00 🔺					

Depends on the motor weight, changes from a pump model to another

NOTES

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws







70,5

INSTALLATION EXAMPLES

72

MP3-B

Peristaltic Pump With Fixed Flow

- Peristaltic Fixed flow pump with compact dimensions
- Small dimensions
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Sicurity and reliability.
- Policarbonate front panel.
- Boxed with IP54 Protection
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply 240VAC 24VDC

#### **Optional:**

- Different power supply 110VAC or other upon request.
- Hand screws (Plastic Covered)
- Different Case Color (Microdos Standard is Blue)
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

#### **TECHNICAL INFORMATION** Inner Outer CODE Lt/h ml/min Bar Rpm/min Watt Power Tube Tuhe P14CA0305200 0,5 8,5 3 5 8 230 VAC SILICON 4x6 MM P14CA0301200 16,6 3 10 8 230 VAC SILICON 4x6 MM 1 P14CA0115200 4x6 MM 1.5 24,9 1 15 8 230 VAC SANTOPRENE P14CA0103200 3 50 30 230 VAC SANTOPRENE 4x6 MM 1 8 P14CA0104200 4 66 1 40 8 230 VAC SANTOPRENE 4x6 MM

## APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
  - **Food industries**

- Detergency
- Disinfection
  - Swimming pools



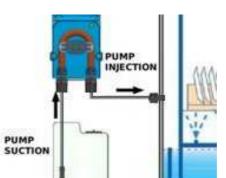
- For Pump: 12 x 18 x 12
   0,35 ▲

   Multipack(90Psz): 55 x 39 x 38
   32,00 ▲
- ▲ Depends on the motor weight, changes from a pump model to another

# NOTES

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws

Rev 2.0







MP3-T

**Peristaltic Pump ON-OFF** Time Adjustable Flow

- Peristaltic pump with adjustable flow in on-off time
- **Small dimension**
- **Easy installation**
- Minimal maintenance.
- **PP box reinforced 30% Talk**
- **IP 54 protection**
- **Automatic priming**
- Sicurity and reliability
- **Policarbonate front panel**
- Designed for being mounted inside the machine
- **Roller holder in PBT**
- **Rollers in Derlin (self lubricant)**

#### **Optional:**

- Hand screws (Plastic Covered)
- **Different Case Color (Microdos Standard is Blue)**
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below

## INSTALLATION KIT (OPTIONAL)

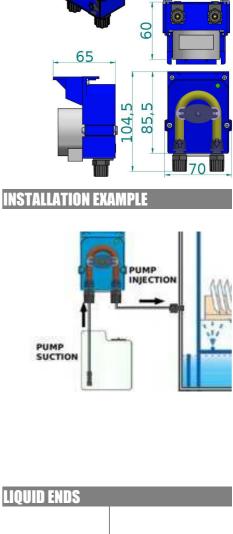


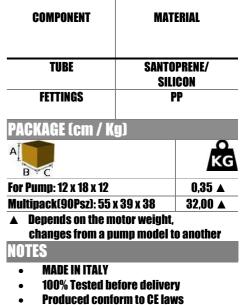
For Detergent	Inj.Tube			Sucti PVC	ion Tube	Foot Filter		
For Rinse-Aid					Suct PVC			Foot Filter
DETTAGLI TEC	NICI							
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	VAC	inner tube	Tube Diam.
P09CA0305200	0,5	8,3	3	5	3,5	230	Sil	4x6
P09AA0103100	3	50	1	20	3,5	230	San	4x6

#### Rev 3.0 APPLICATIONS

Datashee

- **Chemical industries**
- **Medical industries**
- Laboratories and analysis
  - **Food industries**
- Detergency .
- Disinfection
  - Swimming pools



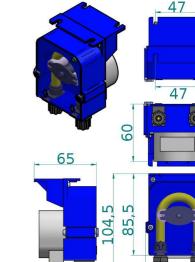


# PUMP VIEW (mm)

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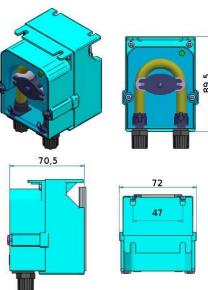




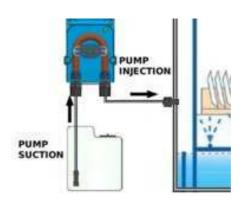








# **INSTALLATION EXAMPLES**



COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon/Tygon
FETTINGS	PP (30% TALK)	
PACKAGE	(cm / Kg)	
A		KG
For Pump: 12	x 18 x 12	0,35 🔺
	32,00 🔺	

Depends on the motor weight, changes from a pump model to another

NOTES

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws





Peristaltic Pump ON-OFF Time Adjustable Flow

- Peristaltic pump with adjustable flow in on-off time (Range of 8 Seconds)
- Small dimensions
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Sicurity and reliability.
- Policarbonate front panel.
- Boxed with IP54 Protection
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply 240VAC 24VDC

#### **Optional:**

- Different power supply 110VAC or other upon request.
- Hand screws (Plastic Covered)
- Different Case Color (Microdos Standard is Blue)
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

## TECHNICAL INFORMATION

CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	inner Tube	Outer Tube
P15CA0305200	0,5	8,5	3	5	8	230 VAC	SILICON	4x6 MM
P15CA0301200	1	16,6	3	10	8	230 VAC	SILICON	4x6 MM
P15CA0115200	1,5	24,9	1	15	8	230 VAC	SANTOPRENE	4x6 MM
P15CA0103200	3	50	1	30	8	230 VAC	SANTOPRENE	4x6 MM
P15CA0104200	4	66	1	40	8	230 VAC	SANTOPRENE	4x6 MM

#### 

Techn Datasl

- Chemical industries
  - **Medical industries**
- Laboratories and analysis
  - Food industries
- Detergency
- Disinfection
- Swimming pools











**Peristaltic Pump** With Adjustable Flow

70,5 72

# INSTALLATION EXAMPLES

PUMP INJECTION PUMP SUCTION

LIQUID EN	DS				
COMPONENT	STANDARD	OPTIONAL			
INNER TUBE	NNER TUBE Santoprene 4x7 S				
FETTINGS	PP (30% TALK)				
PACKAGE	(cm / Kg)				
A		KG			
For Pump: 12	x 18 x 12	0,35 ▲			
Multinack(0)	0Psz): 55 x 39 x 38	32,00 ▲			

- **MADE IN ITALY**
- 100% Tested before delivery
- **Produced conform to CE laws**

- Peristaltic pump with adjustable flow in ON time (after an electric signal)
- **Small dimensions**
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- **Automatic priming**
- Sicurity and reliability. •
- Policarbonate front panel.
- **Boxed with IP54 Protection**
- **Roller holder in PBT**
- **Rollers in Derlin (self lubricant)**
- Standard Power Supply 240VAC 24VDC

#### **Optional:**

- Different power supply 110VAC or other upon request. •
- Hand screws (Plastic Covered)
- **Different Case Color (Microdos Standard is Blue)**
- Front polycarbonate panel personalization (customer's logo)
- Personalized manuals and barcode label.
- Other Flowrates, different than the standard ones reported below
- Different motor type according to the application requests

## TECHNICAL INFORMATION

CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	inner Tube	Outer Tube
P16CA0305200	0,5	8,5	3	5	8	230 VAC	SILICON	4x6 MM
P16CA0301200	1	16,6	3	10	8	230 VAC	SILICON	4x6 MM
P16CA0115200	1,5	24,9	1	15	8	230 VAC	SANTOPRENE	4x6 MM
P16CA0103200	3	50	1	30	8	230 VAC	SANTOPRENE	4x6 MM
P16CA0104200	4	66	1	40	8	230 VAC	SANTOPRENE	4x6 MM

#### APPLICATIONS

Techn Datasl

- **Chemical industries**
- **Medical industries**
- Laboratories and analysis
  - **Food industries**
- Detergency •
- Disinfection
  - **Swimming pools**







ME2-CA

Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- Solenoid Constant Analogic pump
- Easy installation and minimal maintenance
- Frequency manual adjustment scale [ 0 to 100% ]
- ON / OFF function
- State led
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 54 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit:

Pyrex Ball version: Pyrex Ball injection valve,hastelloy spring Lip Version : Viton Lip valve, Viton fettings

#### **Optional:**

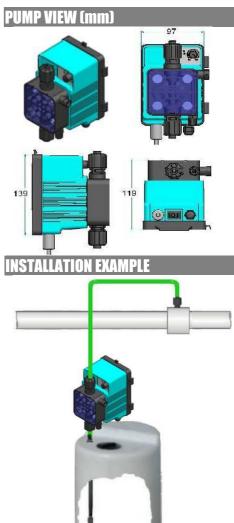
- Self Degassing Pump Head
- PVDF Pump Head

# INSTALLATION KIT

INSTALLATION	KIT							
		Ny)	C					0
Mounting Bracket+ Screws	Suctio 2mt PV	n Tube /C	lnj.Tu 2mt l		PP Injection Va Pyrex Ball-Vito		PP Foot Filter	1,5mt PVC bleed tube
<b>TECHNICAL INF</b>	ORM/	TION						
CODE: <i>LIP VALVE Version</i>	Lt/h	ML/Pu	ilse	Bar	Maximum Pulse/Min	Stroke	e Watt	Tube
E10AA0205300	5	0,69		2	120	1,3	50	4x6 mm
E10AA0504300	4	0,55		5	120	1,3	50	4x6 mm
E10AA0703300	3	0,41		1	120	1,3	50	4x6 mm
BALL VALVE Version	1							
E10CA1215300	1,5	0,21		12	120	1,1	50	4x6 mm
E10CA1215300	3	0,41		9	120	1,3	50	4x6 mm
E10CA1215300	5	0,69		5	120	1,3	50	4x6 mm
E10CA1215300	7	0,97		2	120	1,3	50	4x6 mm
APPLICATIONS								
<ul> <li>Chemica</li> <li>Laborato</li> <li>Water Tr</li> </ul>	l indus ries an	d analy	sis		• Disin	gency fection ming p	ools	



CE



# LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	

# PACKAGE (cm / Kg) A E B C Pump: 15,5 x 18 x 22 3,00 Multipack ( 9 Psz ): 50 x 25 x 57 27

#### NOTES

- MADE IN ITALY
- 100% Tested before delivery
  - Produced conform to CE laws





# **PRODUCT SPECIFICATIONS**



ME1-CA

Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- Solenoid Constant Analogic pump
- Easy installation and minimal maintenance
- Frequency regulated manually from 0 to 100%
- ON / OFF function
- Stand-by button
- State led [ ON Working Stand By ]
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 54 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

**Optional:** 

• Self Degassing Pump Head

Laboratories and analysis

Water Treatment

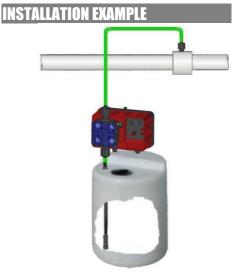
• PVDF Pump Head

**INSTALLATION KIT** 



Mounting Bracket+ Screws	Suctio 2mt Pl	n Tube /C	Inj.Tubo 2mt PE		ection Va Ball-Vito		PP Foot Filter	1,5mt PVC bleed tube
<b>TECHNICAL INI</b>	FORM <i>i</i>	TION						
Code	Lt/h	ML/Pu	lse Ba	<b>P</b>	kimum se/Min	Stroke	Watt	Tube
E04CA1202300	2	0,21	12	160		0,9	50	4x6 mm
E04CA1103300	3	0,31	11	160		0,9	50	4x6 mm
E04CA0905300	5	0,52	9	160		0,9	50	4x6 mm
E04CA0806300	6	0,62	8	160		1,1	50	4x6 mm
E04CA0508300	8	0,83	5	160		1,1	50	4x6 mm
E04CA0410300	10	1,04	4	160		1,3	50	4x6 mm
E04CA0215300	15	1,56	2	160		1,3	50	4x6 mm
E04CA0117300	17	1,77	1	160		1,3	50	4x6 mm
Optional: • Other	Flow-Ra	ates on I	request	i				I
APPLICATIONS								
<ul> <li>Chemica</li> <li>Medical</li> </ul>				•		ing Wat iection	er	

# 



# LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	

## PACKAGE (cm / Kg)

kG
3,50
21
1

Swimming pools Reverse Osmosis





# **PRODUCT SPECIFICATIONS**





Constant Digital Electromagnetic PumpWith Adjustable Flowrate

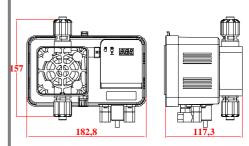
- Solenoid Constant Digital pump
- Easy installation and minimal maintenance
- Frequency regulation from 0 to 180 pulsations per minute
- ON / OFF function
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring Optional:
- Prearrangement for low level switch sensor
- Self Degassing Pump Head
- Other Flow-Rates ( different from the standard indicated below ) on request
   PVDF Pump Head

#### INSTALLATION KIT

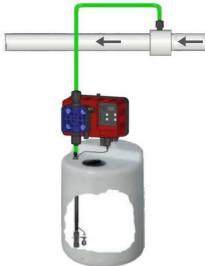


## TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E01CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E01CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E01CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E01CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E01CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E01CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E01CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E01CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm
APPLICATION	5						
• Medica	al indus I industi tories ar			• Disin	ting Wate fection iming poc	-	
<ul> <li>Water 1</li> </ul>	[reatme	nt		• Reve	rse Osmo	sis	



# INSTALLATION EXAMPLE



# LIQUID ENDS

Component	Standard	Optional
Pump head	PP	<b>PVC / PVDF</b>
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

A	kG
Pump: 15 x 23 x 28	3,50
Multipack ( 6 Psz ): 50 x 25 x 57	21
NOTES	
MADE IN ITALY     100% Tested before deliver:	

100% Tested before delivery

Produced conform to CE laws





# **PRODUCT SPECIFICATIONS**



ME1-i

**Proportional to** Impulses **Electromagnetic Digital Dosing Pump** 

- Solenoid digital pump, proportional to the external (tension free) impulses number received
- Easy installation and minimal maintenance
- Can also work as constant digital pump with pulsation adjustment 0-180
- Function of impulses division and multiply (1xN, 1/n)
- Function of multiplication with memory (1xN-M) .
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- **PP CASE and HEAD reinforced 30% talk**
- **IP 65 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2,5 mt power supply cable

Accessories Kit with ball injection valve, hastelloy spring

#### **Optional:**

- Prearrangement for low level switch sensor •
- Self Degassing Pump Head
- Impulse percentage control function
- Other Flow-Rates ( different than the standard ones indicated below ) on request **PVDF Pump Head**

# INSTALLATION KI



#### Bracket+ Screws 2mt PVC 2mt PE **Pyrex Ball-Viton OR** Filter TECHNICAL INFORMATION Maximum Lt/h **ML/Pulse** Stroke Watt Code Bar Pulse/Min E02CA1215300 0.14 12 180 0.9 50 1.5 E02CA1102300 0,18 180 2 11 0.9 50 E02CA0904300 4 0.37 9 180 0.9 50 0.46 E02CA0805300 5 8 180 1.1 50 5 E02CA0507300 0.65 180 1.1 50 0,74 180 E02CA0408300 8 4 1,3 50 E02CA0210300 180 10 0,92 2 1,3 50 E02CA0515300 15 1.39 0.5 180 1.3 50 PLICATIONS

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**Fechi** Datas

•	Chemical muustries
٠	Medical industries
•	Laboratories and analysis
•	Water Treatment

Obomical inductria

4x6 mm	Multipack ( 6 Psz ): 50 x 25 x 57	
4x6 mm		

- **Produced conform to CE laws**

**Drinking Water** 

**Swimming pools** 

**Reverse Osmosis** 

Disinfection

.

Tube

4x6 mm

4x6 mm

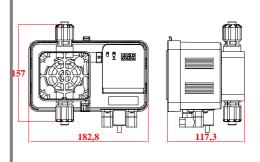
4x6 mm

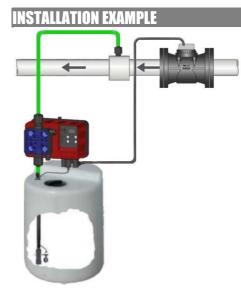
4x6 mm

4x6 mm

4x6 mm

# **PUMP VIEW (mm)**





# LIOUID ENDS

_		
Component	Standard	Optional
Pump head	PP	<b>PVC / PVDF</b>
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	<b>AISI 316</b>
	Pyrex	
PACKAGE (cm	/ Kg)	
A		KG
Pump: 15 x 23 x 28	}	3,50
Multipack ( 6 Psz)	): 50 x 25 x 57	21
NOTES		
MADE IN IT     100% Test	ALY ed before delive	ery





# **PRODUCT SPECIFICATIONS**





**Proportional to External** mA Signal **Electromagnetic Digital Dosing Pump** 

- Solenoid digital pump proportional to an electric 0 20 / 4 20 mA signal
- Programmable electric input magnitude, direct and inverse combined with an n" pump requested impulses.
- Easy installation and minimal maintenance
- Can also work as constant digital pump with pulsation adjustment 0-180
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- **PP CASE and HEAD reinforced 30% talk**
- **IP 65 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2.5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

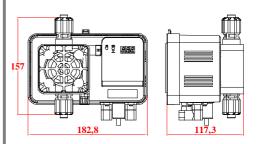
**Ontional:** 

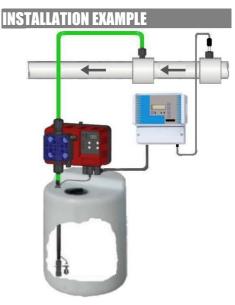
- Prearrangement for low level switch sensor
- Self Degassing Pump Head
- Other Flow-Rates ( Different than Standard indicated below ) on request
- **PVDF Pump Head**

## INSTALLATION KIT



<b>TECHNICAL IN</b>	FORM/	ATION					
Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E03CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E03CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E03CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E03CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E03CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E03CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E03CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E03CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm
APPLICATIONS	5						
• Chemic					ing Wate	r	
• Medica					fection		
		d analysis		-	ming poo	-	
<ul> <li>Water T</li> </ul>	reatmei	nt		<ul> <li>Reve</li> </ul>	rse Osmo	SIS	





# I IOIIID FNDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	

## PACKAGE (cm / Kg) A KG BYC 3.50 Pump: 15 x 23 x 28 Multipack ( 6 Psz ): 50 x 25 x 57 21 NOTES

- **MADE IN ITALY**
- 100% Tested before delivery
- Produced conform to CE laws







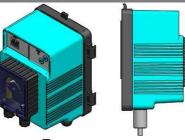
**IP 55 protection** 

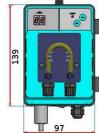
•

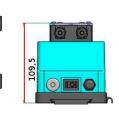
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrun
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software **Optional:**
- **On-Off Button**
- COMPLETE PACKAGE:
  - Upon request can be supplied complete with one pH Buffer Solution, pH electrode, electrode holder, Saddle Clamp, all packed in one box.

# INSTALLATION KIT ( Standard )

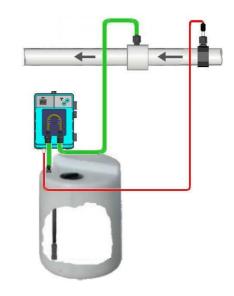
Mounting	Suctio	) <i>វ</i> n Tube  Inj.1	Tube	PP Injection V	alve P	)	er
Bracket+ Screws COMPLETE PAG	2mt PV CKAGE			onal )			
Electrode Hole		le of PP 30%		die Clamp for connection fo			fer solution
TECHNICAL INI	FORMA	TION				1	
Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S20AA0101300	1	0,56	1	30	16,7	8	4x6 mm
ADDUCATIONS							
		mming Pool	S				







INSTALLATION EXAMPLE



LIQUID ENDS		
Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot	PP-Viton	
filter		

KG
1,80
17

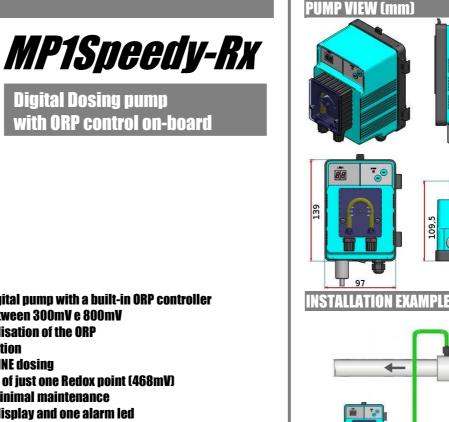
- **Produced conform to CE laws**



PRODUCT SPECIFICATIONS



97



- Compact Peristaltic digital pump with a built-in ORP controller
- Adjustable setpoint between 300mV e 800mV
- **Realtime display visualisation of the ORP**
- **Probe efficiency indication**
- **Prearranged for CHLORINE dosing**
- Automatioc calibration of just one Redox point (468mV)
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- **IP 55 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrun
- 2,5 mt power supply cable

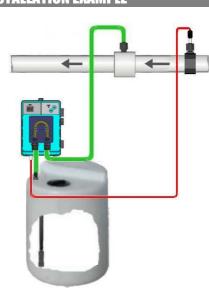
Level alarm and overdosing protection integrated in the software

- **Optional:**
- **On-Off Button**
- COMPLETE PACKAGE:

Upon request can be supplied complete with one ORP Buffer Solution, ORP electrode, electrode holder, Saddle Clamp, all packed in one box.

## INSTALLATION KIT ( Standard )

	C	) 🎒		$\mathcal{P}$			
Mounting Bracket+ Screws	Suctio 2mt PV		nj.Tube 2	2mt PE PI	Pinjection V	alve PP	Foot Filter
COMPLETE PAC			' ( Optic	onal )			
Electrode Hold (Short type) talk	ler, mai reinfor	le of PP 30% ced		dle Clamp fo ' connection			fer solution
TECHNICAL INI Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S21AA0118300	1,8	1	1	30	30	8	4x6 mm
APPLICATIONS <ul> <li>Residen</li> </ul>		mming Pool	S	·	·		·



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LIQUID ENDS		
Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection</b> fittings	PP	
Non return foot filter	PP-Viton	

9
KG
1,80
17

- **Produced conform to CE laws**







MP2Speedy-pH

**Digital Dosing pump** with pH control on-board

- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- **Probe efficiency indication**
- Standard dosing mode (pH-) ACID Dosing
- Automatioc calibration of just one pH point (pH7) using only one button!
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% Glass Fiber
- **IP 55 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software

#### **Optional:**

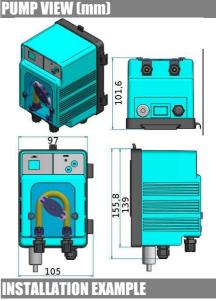
- **On-Off Button**
- COMPLETE PACKAGE:

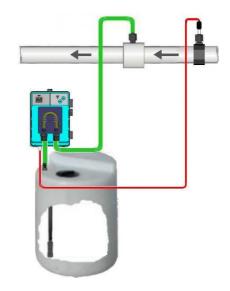
Unon request can be supplied complete with one pH Buffer Solution. pH electrode, electrode holder, Saddle Clamp, all packed in one box.

# **INSTALLATION KIT (Standard)**

Mounting	Suctio		Tube	PP Injection V	laive Pi	P Foot Filt	er
Bracket+ Screws COMPLETE PAC	2mt PV CKAGE			onal )			
Electrode Hold	-	le of PP 30%		die Clamp for " connection fo		-	fer solution
TECHNICAL INI	ORMA	TION	_				
Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S24AA0115300	1,5	2,5	1	10	25	8	4x6 mm
	1						
APPLICATIONS							
<ul> <li>Residen</li> <li>Water Ti</li> </ul>		mming Pool It	S				

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LIQUID ENDS		
Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot	PP-Viton	
filter		



**Produced conform to CE laws** 







Digital Dosing pump with ORP control on-board

- Compact Peristaltic digital pump with a built-in ORP controller
- Adjustable setpoint between 300mV e 800mV
- Realtime display visualisation of the ORP
- Probe efficiency indication
- Prearranged for CHLORINE dosing
- Automatioc calibration of just one Redox point (468mV)
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software

#### **Optional:**

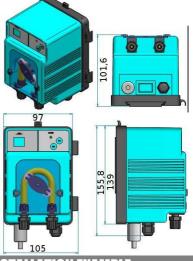
- On-Off Button
- <u>COMPLETE PACKAGE:</u>

Upon request can be supplied complete with one ORP Buffer Solution, ORP electrode, electrode holder, Saddle Clamp, all packed in one box.

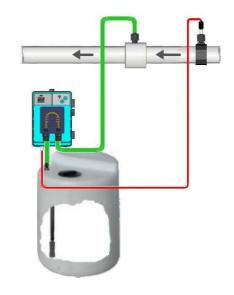
# INSTALLATION KIT ( Standard )

	C			$\varphi$		Ø		
Mounting Bracket+ Screws	Suction 2mt PV		1j.Tube 2	2mt PE	PP Inj	ection Va	ive PP F	oot Filter
COMPLETE PAC	KAGE	Extra KIT	( Opti	onal )				
Electrode Hold		ne Electrode le of PP 30% ced		' connectio				er solution
<b>TECHNICAL INI</b>	ORMA	TION						
Code	Lt/h	ML/RPM	Bar	RPM/M	in	ML/Min	Watt	Tube
S25AA0103300	3	1,5	1	30		50	8	4x6 mm
APPLICATIONS								
<ul><li>Residen</li><li>Water Ti</li></ul>		mming Pools It	S					





**INSTALLATION EXAMPLE** 



LIQUID ENDS		
Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	<b>4</b> x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot filter	PP-Viton	

PACKAGE (cm / Kg)		
A	kG	
Pump: 15,5 x 18 x 22	1,80	
Multipack ( 9 Psz ): 50 x 25 x 57	17	
NOTES		
<ul> <li>MADE IN ITALY</li> <li>100% Tested before delivery</li> </ul>		

Produced conform to CE laws

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Digital Dosing pump with pH control on-board

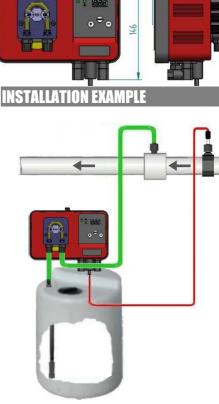
- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- Probe efficiency indication
- Standard dosing mode (pH-) ACID Dosing
- Automatioc calibration of just one pH point (pH7) using only one button!
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software
- **Optional:**
- On-Off Button
- <u>COMPLETE PACKAGE:</u>

Upon request can be supplied complete with one pH Buffer Solution, pH electrode, electrode holder, Saddle Clamp, all packed in one box.



	Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
	S08AA0101300	1	0,56	1	30	16,7	8	4x6 mm
ev .0								

APPLICA	TIONS
60	tesidential Swimming Pools Nater Treatment



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CERTIFIED-Nr.B01107

PUMP VIEW (mm)

## LIQUID ENDS

_		
Component	Standard	Optiona
Fettings	PP	
Tube	Santoprene	TYGON O
	4x7	Silicor
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot filter	<b>PP-Viton</b>	











Digital Dosing pump with ORP control on-board

- Compact Peristaltic digital pump with a built-in ORP controller
- Adjustable setpoint between 300mV e 800mV
- Realtime display visualisation of the ORP
- Probe efficiency indication
- Prearranged for CHLORINE dosing
- Automatioc calibration of just one Redox point (468mV)
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software
- **Optional:**
- On-Off Button
- <u>COMPLETE PACKAGE:</u>

Upon request can be supplied complete with one ORP Buffer Solution, ORP electrode, electrode holder, Saddle Clamp, all packed in one box.

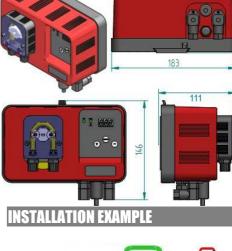
#### INSTALLATION KIT (Standard) Mounting **Suction Tube** PP Injection Valve PP Foot Filter Inj.Tube 2mt PE Bracket+ Screws 2mt PVC **COMPLETE PACKAGE Extra KIT (Optional)** 1 x $\frac{1}{2}$ " Pipeline Electrode 2 x Saddle Clamp for $\Phi$ 50 mm tubes, 1 x 50cc 468mV 1 x ORP Electrode Holder, made of PP 30% with $\frac{1}{2}$ " connection for electrode buffer solution (Short type) talk reinforced holder. bottie. TECHNICAL INFORMATION ML/RPM RPM/Min ML/Min Code Lt/h Bar Watt Tube S09AA0118300 1.8 1 30 30 8 4x6 mm 1

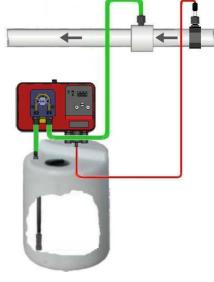
2.0		_
- <del>.</del>	APPLICATIONS	
Datasheet	Residential Swimming Pools	
atas	Water Treatment	
ے <sup>م</sup>		



PUMP VIEW (mm)

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# LIQUID ENDS

Component	Standard	Optiona
Fettings	PP	
Tube	Santoprene	TYGON o
	4x7	Silico
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot filter	PP-Viton	



Produced conform to CE laws



**PRODUCT SPECIFICATIONS** 





Digital Dosing pump with pH control on-board

- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint (Defined by user), 0 14 pH reading range
- Proportionality greatness field presetted to a value of 1 pH
- Realtime display visualisation of the pH
- Manual dosing selection for pH+ or pH-
- Probe efficiency indication
- Semi-automatic probe calibration
- Constant functioning mode.
- 5 state and programming leds.
- Accessories kit with a 1/2" injection valve
- Easy installation and minimal maintenance
- 3 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software

#### **Optional:**

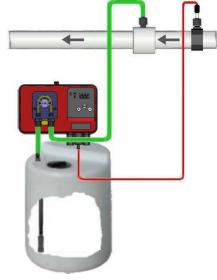
- Low Level Switch sensor
- Filtration pump dosing consence
- <u>COMPLETE PACKAGE:</u>

Upon request can be supplied complete with one pH Buffer Solution, pH electrode, electrode holder, Saddle Clamp, all packed in one box.

INSTALLATION	KIT ( S	Standard	]				
	C			$\mathcal{P}$ ,	2		
Mounting	Suctio		Tube	PP Injection V	laive P	P Foot Filt	ter
Bracket+ Screws	2mt PV						
<b>COMPLETE PAC</b>	CKAGE	Extra KIT	' ( Optic	onal )			
Electrode Hold		le of PP 30%	tubes,	dle Clamp for with ½" conne de holder.			cc pH 7 r solution <del>)</del> .
<b>TECHNICAL INI</b>	FORMA	TION					
Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S01AA0124300	2,4	1	1	40	40	3,5	4x6 mm
<b>APPLICATIONS</b>							
<ul> <li>Residential Swimming Pools</li> <li>Water Treatment</li> </ul>							







## LIOUID ENDS

Component	Standard	Optional
Fettings	PP	optional
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot filter	<b>PP-Viton</b>	

PACKAGE (cm / Kg)	
A	KG
Pump: 15 x 23 x 28	1,9
Multipack ( 6 Psz ): 50 x 25 x 57	12
NOTES	
MADE IN ITALY	
• 100% Tested before delivery	
Produced conform to CE laws	







MP1-Rx

Digital Dosing pump with ORP control on-board

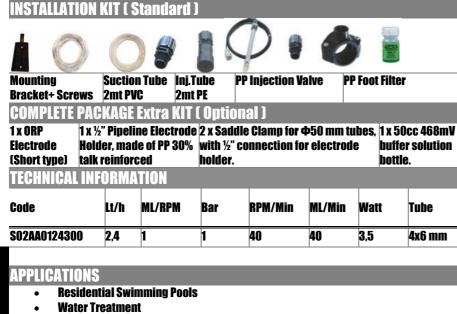
- Compact Peristaltic digital pump with a built-in ORP controller
- Pump proportionality with Pause/Work time, max 300 seconds
- Realtime display visualisation of the ORP value
- 0 999 mV reading range.
- Probe efficiency indication
- Proportionality greatness field presetted to a value of mV
- Semi-automatic probe calibration
- Constant functioning mode.
- 5 state and programming leds.
- Accessories kit with a 1/2" injection valve
- Easy installation and minimal maintenance
- 3 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software

#### **Optional:**

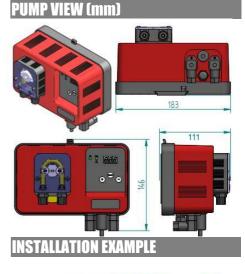
Rev 2.0

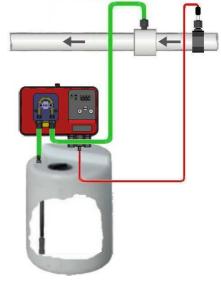
- Low Level Switch sensor
- Filtration pump dosing consence
- <u>COMPLETE PACKAGE:</u>

*Upon request can be supplied complete with one pH Buffer Solution, ORP electrode, electrode holder, Saddle Clamp, all packed in one box.* 



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#### LIOUID ENDS

Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot	<b>PP-Viton</b>	
filter		

PACKAGE (cm / Kg)	
A	KG
Pump: 15 x 23 x 28	1,9
Multipack ( 6 Psz ): 50 x 25 x 57	12
NOTES	
MADE IN ITALY	
• 100% Tested before delivery	
Produced conform to CE laws	1









Digital Dosing pump with pH control on-board

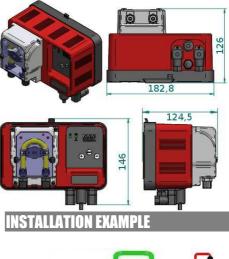
- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint (Defined by user), 0 14 pH reading range
- Proportionality greatness field presetted to a value of 1 pH
- Realtime display visualisation of the pH
- Manual dosing selection for pH+ or pH-
- Probe efficiency indication
- Semi-automatic probe calibration
- Constant functioning mode.
- 5 state and programming leds.
- Accessories kit with a 1/2" injection valve
- Easy installation and minimal maintenance
- 3 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software
- **Optional:**

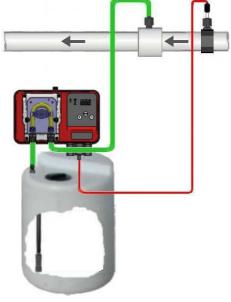
Rev 2.0

- Low Level Switch sensor
- Filtration pump dosing consence
  - <u>COMPLETE PACKAGE:</u> Upon request can be supplied complete with one pH Buffer Solution, pH electrode, electrode holder, Saddle Clamp, all packed in one box.

#### INSTALLATION KIT (Standard) Mounting Suction Tube Ini.Tube **PP Injection Valve PP Foot Filter** Bracket+ Screws 2mt PVC 2mt PE COMPLETE PACKAGE Extra KIT ( Optional ) 1 x $\frac{1}{2}$ " Pipeline Electrode 2 x Saddle Clamp for $\Phi$ 50 mm tubes. 1 x 50cc pH 7 1 x pH Holder, made of PP 30% with $\frac{1}{2}$ " connection for electrode Electrode buffer solution (Short type) talk reinforced holder. bottle. TECHNICAL INFORMATION RPM/Min ML/Min Watt Code Lt/h ML/RPM Bar Tube S03AA0104300 Δ 2,42 1 31 75 3,5 4x6 mm APPLICATIONS **Residential Swimming Pools** Water Treatment







# LIQUID ENDS

Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
Injection fittings	PP	
Non return foot	<b>PP-Viton</b>	
filter		

PACKAGE (cm / Kg)	
A	KG
Pump: 15 x 23 x 28	1,9
Multipack ( 6 Psz ): 50 x 25 x 57	12
NOTES	
MADE IN ITALY	
<ul> <li>100% Tested before delivery</li> </ul>	
<ul> <li>Produced conform to CE laws</li> </ul>	S





# PRODUCT SPECIFICATIONS





Digital Dosing pump with ORP control on-board

- Compact Peristaltic digital pump with a built-in ORP controller
- Pump proportionality with Pause/Work time, max 300 seconds
- Realtime display visualisation of the ORP value
- 0 999 mV reading range.
- Probe efficiency indication
- Proportionality greatness field presetted to a value of mV
- Semi-automatic probe calibration
- Constant functioning mode.
- 5 state and programming leds.
- Accessories kit with a 1/2" injection valve
- Easy installation and minimal maintenance
- 3 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% talk
- IP 55 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Level alarm and overdosing protection integrated in the software

#### **Optional:**

- Low Level Switch sensor
- Filtration pump dosing consence
  - <u>COMPLETE PACKAGE:</u> Upon request can be supplied complete with one pH Buffer Solution, ORP electrode, electrode holder, Saddle Clamp, all packed in one box.

INSTALLATION		standard					
0	C			$\mathcal{P}$ ,	2		
Mounting	Suctio	n Tube Inj.	Tube	<b>PP Injection V</b>	laive Pi	P Foot Filt	er
<b>Bracket+ Screws</b>	2mt Pl	<b>/C 2m</b>	t PE				
<b>COMPLETE PA</b>	CKAGE	<b>Extra KIT</b>	' ( Optio	onal )			
				die Clamp for	<b>Ф</b> 50 mm tı	ubes. 1 x :	50cc 468mV
	-			' connection fo			fer solution
(Short type) tall	c reinfor	ced	holder			bot	tie.
<b>TECHNICAL IN</b>	FORM <i>i</i>	ATION					
Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S04AA0104300	4	2,42	1	31	75	3,5	4x6 mm
APPLICATIONS	5						
<ul> <li>Resider</li> <li>Water T</li> </ul>		imming Pool nt	S				

# 



## LIQUID ENDS

_		
Component	Standard	Optional
Fettings	PP	
Tube	Santoprene	TYGON or
	4x7	Silicon
Internal lip valve	VITON	
<b>Injection fittings</b>	PP	
Non return foot	<b>PP-Viton</b>	
filter		

PACKAGE (cm / Kg)	
A	KG
Pump: 15 x 23 x 28	1,9
Multipack ( 6 Psz ): 50 x 25 x 57	12
NOTES	1
MADE IN ITALY	
<ul> <li>100% Tested before delivery</li> </ul>	
<ul> <li>Produced conform to CE laws</li> </ul>	S





# **PRODUCT SPECIFICATIONS**



ME2-pH

Digital Dosing pump with pH control on-board

- Compact Solenoid proportional digital pump with a built-in pH controller
- Adjustable Setpoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- Probe efficiency indication
- Standard dosing mode (pH-)
- Definition of the proportionality greatness range
- Automatioc calibration of just one pH point (pH7) using only one button!
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

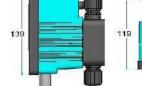
#### **Optional:**

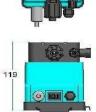
- Self Degassing Pump Head
- PVDF Pump Head
- pH+ Dosing mode
- <u>COMPLETE PACKAGE:</u>

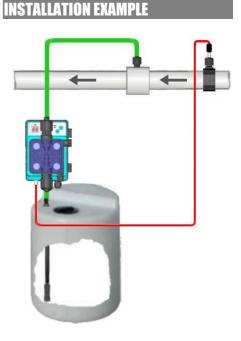
Upon request can be supplied complete with one pH Buffer Solution, pH electrode, electrode holder, Saddle Clamp, all packed in one box.

		Standard 1					_
	(			0.Q	)	0	
Mounting Bracket+ Scre		n Tube Inj.T IC 2mt		P Injection Va yrex Ball-Vito			5mt PVC leed tube
COMPLETE I				-	n on pinto		
				e Clamp for 4 onnection fo			OCC pH 7 er solution
	talk reinfor		holder.			bott	
TECHNICAL	INFORM <i>i</i>	TION					
Code	Lt/h	ML/Puise	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
Code 522CA020230		ML/Pulse 0,25	Bar 2		Stroke 1,3	Watt 50	Tube 4x6 mm
	0 2			Pulse/Min			
S22CA020230	0 2 0 5	0,25	2	Pulse/Min 120	1,3	50	4x6 mm









# LIQUID ENDS

Component	Standard	Optional
Pump head	PP	<b>PVC / PVDF</b>
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	<b>AISI 316</b>
	Pyrex	
PACKAGE (cm	/ Kg)	
		0

A	KG
Pump: 15,5 x 18 x 22	3,00
Multipack ( 9 Psz ): 50 x 25 x 57	27
NOTES	
MADE IN ITALY	
<ul> <li>100% Tested before delivery</li> </ul>	

100% rested before delivery
 Produced conform to CE laws





# PRODUCT SPECIFICATIONS



ME1S-pH

Digital Dosing pump with pH control on-board

- Solenoid proportional digital pump with a built-in pH controller
- Adjustable Setuoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- **Probe efficiency indication**
- Standard dosing mode (pH-)
- **Definition of the proportionality greatness range**
- Automatioc calibration of just one pH point (pH7) using only one button!
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display, Stand-by button and 1 alarm led
- Pump head with manual bleed for pressure priming
- **PP CASE and HEAD reinforced 30% talk**
- **IP 65 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2.5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring .

#### **Optional:**

- Self Degassing Pump Head
- pH+ Dosing mode
- **PVDF** Pump Head
- **Other Flowrates**

# INSTALLATION KI



TEGHNIGAL INF Code	Lt/h	ML/Puise	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
S10CA0202300	2	0,25	2	130	0,9	50	4x6 mm
S10CA0205300	5	0,64	2	130	1,1	50	4x6 mm

## APPLICATIONS

rev 2.0

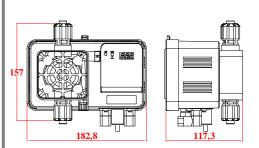
Technical Datasheet

- **Swimming pools**
- Water Treatment

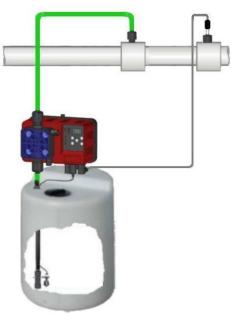
- Well Drinking Water pH Correction

- - Produced contorni to ge laws

# PUMP VIEW (mm)



# INSTALLATION EXAMPLE



# LIOUID ENDS

Component	Standard	Optional
Pump head	PP	<b>PVC / PVDF</b>
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
Injection fittings	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	<b>AISI 316</b>
	Pyrex	
PACKAGE (cm	/ Kg)	
A		KG
Pump: 15 x 23 x 28		3,50
Multipack ( 6 Psz )	: 50 x 25 x 57	21
NOTES		
MADE IN IT/		
	ed before delive	-
<ul> <li>Produced (</li> </ul>	conform to CE la	NS





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# PRODU<u>ct specifications</u>



ME1S-RX

Digital Dosing pump with ORP control on-board

- Solenoid proportional digital pump with a built-in ORP controller
- Adjustable Setpoint between 300mV and 800mV, Realtime display visualisation of the mV value
- Probe efficiency indication
- Definition of the proportionality greatness range
- Semi-automatic probe calibration, just one Redox point (468mV)
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display, Stand-by button and Level Alarm led
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring
- TAL Sicurity Time Alarm Option included

#### **Optional:**

- Self Degassing Pump Head
- PVDF Pump Head
- Other Flowrates

## **INSTALLATION KIT**



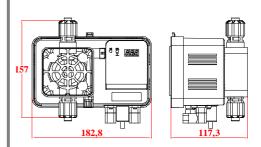
Mounting Bracket+ Screws	Suctio 2mt P		Inj.Tube 2mt PE	PP Injection V Pyrex Ball-Vite		Foot er	1,5mt PVC bleed tube
<b>TECHNICAL INI</b>	ORM/	ATION					
Code	Lt/h	ML/Pu	lse Bar	Maximum Pulse/Min	Stroke	Watt	Tube
S11CA0205300	5	0,64	2	130	1,1	50	4x6 mm
S11CA0210300	10	1,28	2	130	1,3	50	4x6 mm

#### **APPLICATIONS**

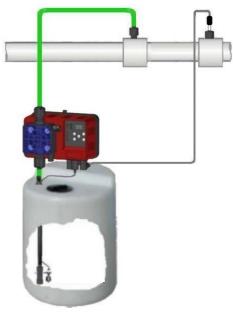
rev 2.0

Technical Datasheet

- Swimming pools
- Water Treatment



# **INSTALLATION EXAMPLE**



# LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	
PACKAGE (cm	/ Kg)	
A		KG
Pump: 15 x 23 x 28	l	3,50
Multipack ( 6 Psz )	): 50 x 25 x 57	21
NOTES		
MADE IN IT/	ALY	

- 100% Tested before delivery
- Produced conform to CE laws





CE

# PRODUCT SPECIFICATIONS





**Digital Dosing pump** with pH control on-board

- Solenoid proportional digital pump with a built-in pH controller
- 0 14 pH reading range. Realtime display visualisation of the pH
- **Probe efficiency indication**
- Automatic dosing choise with pH+ or pH-
- **Definition of the proportionality greatness range**
- Semi-automatic probe calibration
- Easy installation and minimal maintenance
- Can also work as constant digital pump with pulsation adjustment 0-180
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- **PP CASE and HEAD reinforced 30% talk**
- **IP 65 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

#### **Optional:**

- Prearrangement for low level switch sensor
- Self Degassing Pump Head
- TAL Time Alarm addition
- **Other Flow-Rates**
- Filtration nump Dosing Consence
- **PVDF Pump Head**





Mounting







Bracket+ Screws 2mt PVC

**TECHNICAL INFORMATION** 

**PP Injection Valve PP Foot Pyrex Ball-Viton OR Filter** 

bleed tube

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E05CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E05CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E05CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E05CA0210300	10	0,92	2	180	1,3	50	4x6 mm

#### APPLICATIONS

rev 2.0

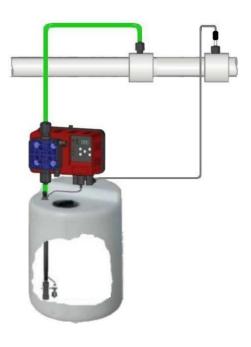
Technical Datasheet

- **Swimming pools**
- Water Treatment

- Well Drinking Water pH Correction
- **Produced conform to CE laws**

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# INSTALLATION EXAMPLE



# LIOUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection</b> fittings	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	

# PACKAGE LCM / KgJ

BC	KG
Pump: 15 x 23 x 28	3,50
Multipack ( 6 Psz ): 50 x 25 x 57	21
NOTES	
MADE IN ITALY	
• 100% Tested before delivery	

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# **PRODUCT SPECIFICATIONS**





**Digital Dosing pump** with **ORP** control on-board

- Solenoid proportional digital pump with a built-in ORP controller
- 0 999 mV reading range. Realtime display visualisation of the mV value
- **Probe efficiency indication**
- Definition of the proportionality greatness range
- Semi-automatic probe calibration
- Easy installation and minimal maintenance •
- Can also work as constant digital pump with pulsation adjustment 0-180
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- **PP CASE and HEAD reinforced 30% talk**
- **IP 65 protection**
- Sicurity and reliability
- **Policarbonate front panel**
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

#### **Optional:**

- Prearrangement for low level switch sensor •
- Self Degassing Pump Head
- Filtration pump Dosing Consence
- TAL Time Alarm addition
- **PVDF** Pump Head
- **Other Flowrates**

#### INSTALLATION KIT



Mounting Bracket+ Screws 2mt PVC

Suction Tube Ini.Tube 2mt PE TECHNICAL INFORMATION

**Pyrex Ball-Viton OR Filter** bleed tube

Code	Lt/h	ML/Puise	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E06CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E06CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E06CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E06CA0210300	10	0,92	2	180	1,3	50	4x6 mm

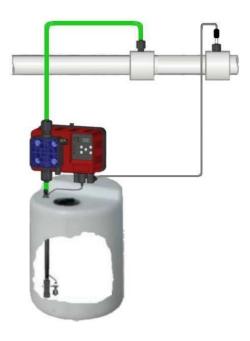
#### APPLICATIONS

rev 2.0

- **Swimming pools** 
  - Water Treatment

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# INSTALLATION EXAMPLE



# LIOUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 /
		Ceramic
<b>Injection fittings</b>	PP	
0 rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy /	AISI 316
	Pyrex	

#### PACKAGE (cm / Kg) o KG R Pump: 15 x 23 x 28 3,50 Multipack ( 6 Psz ): 50 x 25 x 57 21 NOTES **MADE IN ITALY**

- **100% Tested before delivery**
- **Produced conform to CE laws**







- Professional digital microprocessor based instrument with LCD display.
- Available in wall mounted or panel mounted versions.
- IP54 protection for the versions MSP (panel mounted) and IP66 for the MSB (wall mounted) version.
- Possibility to a temporary exclusion of the outputs (eg. For maintenance) using the ON-OFF button.
- N°2 Output Rele adjustable like the set-points or minimal and maximal alarms.
- N°1 Current output programmable on all the scale, with the possibility of recording or proportional adjustment.
- Galvanic separation on the mA current output to avoid disturbs due to the connection to a PC or PLC with earth referance.
- The instrument in the panel MSP version is complete with a connector on the back.
- Measuring range directly programmable on the instrument. Optional:

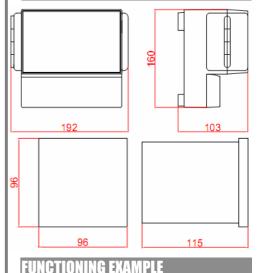
#### • RS 232 EXIT

<b>TECHNICAL INFO</b>	RMATION				
Power Supply	230V~ +/- 10% 50-60Hz standard, 115V~ , 24V~ +/- 10% 50-60Hz o 24V -				
	+/- 10% (Altre su richiesta)				
Power	5VA max (rele exit version)				
Fuse	24V~ => F250mA , 110V~ => F100mA , 230V~ (K1=relè) => F100mA				
Measuring range	0.00 : 14.00 pH / -1000 : +1000 mV				
Analogic inputs	Accuracy better than 1% on F.S. Repeatibility better than 0.2% on F.S.				
Digital inputs	N° 1 input OFF/LEV to disable the exits (OFF in the case of a standard K1 rele) Accepts pure contact (current free). Tension on the connectors 5V. max current 5mA.				
pH / Redox	On extractable connector (coaxial cable + reference). Input stiffness > 10^12 W				
Rele output	N° 2 independent . On a 5 pins extractable connector. Max range 250V~ 3 A resistive.				
Current exits	0/20 o 4/20 mA (adjustable from program) max charge 600 $\Omega$ . Max Err 0.5% on F.S.				
Climatic conditions	Storage Temperature -20+60 °C Working temperature -10+50 °C Max Humidity 90% condense free				
Termocompensation	With PT100 (optional)				
Container	Made of NORYL in the panel mounted version (MSP), and made of ABS in the wall mounted version (MSB)				
Protection	Panel version: IP 54, wall veriosn IP66				
Display	3 ½ Digit high contrast LCD, h = 12 mm				
APPLICATIONS					
Chemical i	ndustries • Drinking Water				
Medical in					
<ul> <li>Laboratorio</li> </ul>	es and analysis • Swimming pools				
<ul> <li>Water Treat</li> </ul>	tment				



PROFESSIONAL pH/Rx CONTROLLER SERIES

# VIEW (mm)





- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws
- FIUUUGU GUIIUIIII LU GE IAWS



titalia EN ISO 9001:2008 CERTIFIED-Nr B01107

# PRODUCT SPECIFICATIONS





- Professional digital microprocessor based instrument with LCD display. .
- Available in wall mounted or panel mounted versions. .
- IP54 protection for the versions MSP (panel mounted) and IP66 for the MSB • (wall mounted) version.
- Possibility to a temporary exclusion of the outputs (eg. For maintenance) . using the ON-OFF button.
- N°2 Output Rele adjustable like the set-points or minimal and maximal . alarms.
- N°1 Current output programmable on all the scale, with the possibility of recording or proportional adjustment.
- Galvanic separation on the mA current output to avoid disturbs due to the • connection to a PC or PLC with earth referance.
- The instrument in the panel MSP version is complete with a connector on the . back.
- Measuring range directly programmable on the instrument. **Ontional:**

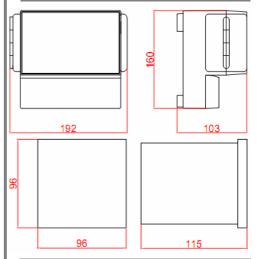
#### • RS 232 EXIT

<b>TECHNICAL INFO</b>	RMATION
Power Supply	230V~ +/- 10% 50-60Hz standard, 115V~ , 24V~ +/- 10% 50-60Hz o 24V -
	+/- 10% (Altre su richiesta)
Power	5VA max (rele exit version)
Fuse	24V~ => F250mA , 110V~ => F100mA , 230V~ (K1=relè) => F100mA
Measuring range	0,00 / 5,00 PPM Cl <sup>2</sup> – with galvanometric cell (CLE01DSP) gold or copper electrodes
Analogic inputs	Accuracy better than 1% on F.S. Repeatibility better than 0.2% on F.S.
Digital inputs	N° 1 input OFF/LEV to disable the exits (OFF in the case of a standard K1 rele) Accepts pure contact (current free). Tension on the connectors 5V, max current 5mA.
Chlorine	On a connector (cell copper or gold + shielding),Standard CLEO1D (other cells upon request)
Rele output	N° 2 independent . On a 5 pins extractable connector. Max range 250V~ 3 A resistive.
Current exits	0/20 o 4/20 mA (adjustable from program) max charge 600 $\Omega$ . Max Err. 0.5% on F.S.
Climatic conditions	Storage Temperature -20+60 °C Working temperature -10+50 °C Max Humidity 90% condense free
Termocompensation	With PT100 (optional)
Container	Made of NORYL in the panel mounted version (MSP), and made of ABS in the wall mounted version (MSB)
Protection	Panel version: IP 54, wall veriosn IP66
Display	3 ½ Digit high contrast LCD, h = 12 mm
APPLICATIONS	
Chemical in	ndustries • Drinking Water
<ul> <li>Medical ind</li> </ul>	
	es and analysis • Swimming pools
<ul> <li>Water Treat</li> </ul>	tment • Reverse Osmosis

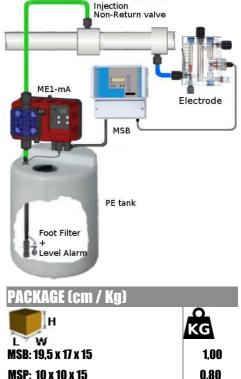


PROFESSIONAL **CLHLORINE CONTROLLER** SERIES

# VIEW (mm)







- NOTES
- **MADE IN ITALY**
- **100% Tested before delivery**
- Produced conform to CE laws



# PRODUCT SPECIFICATIONS





- Professional digital microprocessor based instrument with LCD display.
- Available in wall mounted or panel mounted versions.
- IP54 protection for the versions MSP (panel mounted) and IP66 for the MSB (wall mounted) version.
- Possibility to a temporary exclusion of the outputs (eg. For maintenance) using the ON-OFF button.
- N°2 Output Rele adjustable like the set-points or minimal and maximal alarms.
- N°1 Current output programmable on all the scale, with the possibility of recording or proportional adjustment.
- Galvanic separation on the mA current output to avoid disturbs due to the connection to a PC or PLC with earth referance.
- The instrument in the panel MSP version is complete with a connector on the back.
- Measuring range directly programmable on the instrument. Optional:

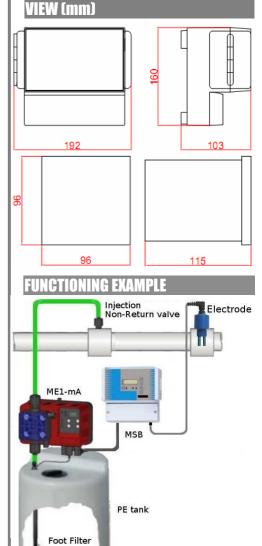
#### • RS 232 EXIT

<b>TECHNICAL INFO</b>	RMATION
Power Supply	230V~ +/- 10% 50-60Hz standard, 115V~ , 24V~ +/- 10% 50-60Hz o 24V - +/- 10% (Altre su richiesta)
Power	5VA max (rele exit version)
Fuse	24V~ => F250mA , 110V~ => F100mA , 230V~ (K1=relè) => F100mA
Measuring range	0 – 2000 mS Programable from instrument.
Analogic inputs	Accuracy better than 1% on F.S. Repeatibility better than 0.2% on F.S.
Digital inputs	N° 1 input OFF/LEV to disable the exits (OFF in the case of a standard K1 rele) Accepts pure contact (current free). Tension on the connectors 5V, max current 5mA.
Conductivity	On an extractable connector for two electrodes cells.
Rele output	N° 2 independent . On a 5 pins extractable connector. Max range 250V~ 3 A resistive.
Current exits	0/20 o 4/20 mA (adjustable from program) max charge 600 Ω. Max Err. 0.5% on F.S.
Container	Made of NORYL in the panel mounted version (MSP), and made of ABS in the wall mounted version (MSB)
Termocompensation	With PT100 (optional)
Climatic conditions	Storage Temperature -20+60 °C Working temperature -10+50 °C Max Humidity 90% condense free
Protection	Panel version: IP 54, wall veriosn IP66
Display	3 ½ Digit high contrast LCD, h = 12 mm
APPLICATIONS	·
Chemical industries         • Drinking Water	
<ul> <li>Medical ind</li> </ul>	lustries • Disinfection
	es and analysis • Swimming pools
<ul> <li>Water Treat</li> </ul>	tment • Reverse Osmosis



CE

# PROFESSIONAL CONDUCTIVITY CONTROLLER SERIES





Level Alarm

Produced conform to CE laws







- Professional digital microprocessor based instrument with LCD display.
- Available in wall mounted or panel mounted versions.
- IP54 protection for the versions MSP (panel mounted) and IP66 for the MSB (wall mounted) version.
- Possibility to a temporary exclusion of the outputs (eg. For maintenance) using the ON-OFF button.
- N°2 Output Rele adjustable like the set-points or minimal and maximal alarms.
- N°1 Current output programmable on all the scale, with the possibility of recording or proportional adjustment.
- Galvanic separation on the mA current output to avoid disturbs due to the connection to a PC or PLC with earth referance.
- The instrument in the panel MSP version is complete with a connector on the back.
- Measuring range directly programmable on the instrument. Optional:

#### • RS 232 EXIT

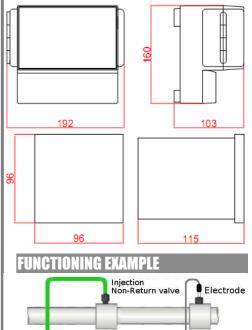
rec. Datas

• 110 2.02 6.01	
<b>TECHNICAL INFOR</b>	RMATION
Power Supply	230V~ +/- 10% 50-60Hz standard, 115V~ , 24V~ +/- 10% 50-60Hz o 24V -
	+/- 10% (Altre su richiesta)
Power	5VA max (rele exit version)
Fuse	24V~ => F250mA , 110V~ => F100mA , 230V~ (K1=relè) => F100mA
Measuring Range	0,00 / 20,00 ppM 0²
Analogic inputs	Accuracy better than 1% on F.S. Repeatibility better than 0.2% on F.S.
Digital inputs	N° 1 input OFF/LEV to disable the exits (OFF in the case of a standard K1 rele) Accepts pure contact (current free). Tension on the connectors 5V, max current 5mA.
Oxygen	On an extractable connector from a polarographic cell (COD92)
Rele output	N° 2 independent . On a 5 pins extractable connector. Max range 250V~ 3 A resistive.
Current exits	0/20 o 4/20 mA (adjustable from program) max charge 600 Ω. Max Err. 0.5% on F.S.
<b>Climatic conditions</b>	Storage Temperature -20+60 °C Working temperature -10+50 °C Max Humidity 90% condense free
Termocompensation	With PT100 (optional)
Container	Made of NORYL in the panel mounted version (MSP), and made of ABS in the wall mounted version (MSB)
Protection	Panel version: IP 54, wall veriosn IP66
Display	3 ½ Digit high contrast LCD, h = 12 mm
APPLICATIONS	
Chemical ir	ndustries • Drinking Water
<ul> <li>Medical ind</li> </ul>	lustries • Disinfection
<ul> <li>Laboratorie</li> </ul>	es and analysis • Swimming pools
Water Treat	tment • Reverse Osmosis



# PROFESSIONAL OXYGEN CONTROLLER SERIES

# VIEW (mm)







NOTES

LW

MSB: 19.5 x 17 x 15

MSP: 10 x 10 x 15

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws



# PRODUCT SPECIFICATIONS





- Professional digital microprocessor based instrument with LCD display.
- Available in wall mounted or panel mounted versions.
- IP54 protection for the versions MSP (panel mounted) and IP66 for the MSB (wall mounted) version.
- Possibility to a temporary exclusion of the outputs (eg. For maintenance) using the ON-OFF button.
- N°2 Output Rele adjustable like the set-points or minimal and maximal alarms.
- N°1 Current output programmable on all the scale, with the possibility of recording or proportional adjustment.
- Galvanic separation on the mA current output to avoid disturbs due to the connection to a PC or PLC with earth referance.
- The instrument in the panel MSP version is complete with a connector on the back.
- Measuring range directly programmable on the instrument. Optional:

#### • RS 232 EXIT

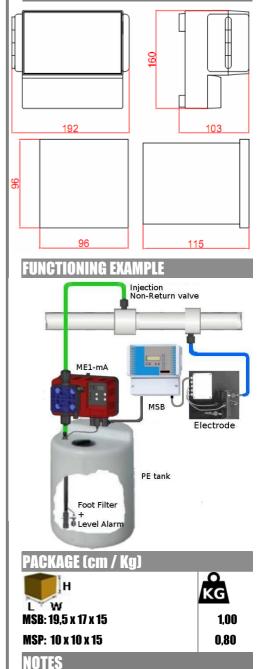
l ech Datas

• <i>N3 202 EATT</i>	
<b>TECHNICAL INFOI</b>	RMATION
Power Supply	230V~ +/- 10% 50-60Hz standard, 115V~ , 24V~ +/- 10% 50-60Hz o 24V -
	+/- 10% (Altre su richiesta)
Power	5VA max (rele exit version)
Fuse	24V~ => F250mA , 110V~ => F100mA , 230V~ (K1=relè) => F100mA
Measuring range	0,00 / 100.00 FTU (NTU), 0,00 / 500,0 FTU, other on request
Analogic inputs	Accuracy better than 1% on F.S. Repeatibility better than 0.2% on F.S.
Digital inputs	N° 1 input OFF/LEV to disable the exits (OFF in the case of a standard K1 rele) Accepts pure contact (current free). Tension on the connectors 5V, max current 5mA.
Torbidity	On extractable connector from torbidity cell (CTS96) max. 3 bar
Rele output	N° 2 independent . On a 5 pins extractable connector. Max range 250V~ 3 A resistive.
Current exits	0/20 o 4/20 mA (adjustable from program) max charge 600 Ω. Max Err. 0.5% on F.S.
<b>Climatic conditions</b>	Storage Temperature -20+60 °C Working temperature -10+50 °C Max Humidity 90% condense free
Termocompensation	With PT100 (optional)
Container	Made of NORYL in the panel mounted version (MSP), and made of ABS in the wall mounted version (MSB)
Protection	Panel version: IP 54, wall veriosn IP66
Display	3 ½ Digit high contrast LCD, h = 12 mm
APPLICATIONS	
Chemical in	ndustries • Drinking Water
<ul> <li>Medical ind</li> </ul>	
<ul> <li>Laboratorie</li> </ul>	es and analysis • Swimming pools
<ul> <li>Water Treat</li> </ul>	tment  • Reverse Osmosis



PROFESSIONAL TURBIDITY CONTROLLER SERIES

# VIEW (mm)



MADE IN ITALY

- 100% Tested before delivery
- Produced conform to CE laws



UNI EN ISO 9001:2008 CERTIFIED-Nr.B01107

## PRODUCT SPECIFICATIONS



- Two-sections measuring and control unit for the pH and the Redox .
- Wall mounting, IP67 protection
- Double LCD 3  $\frac{1}{2}$  digits display
- Electronic calibtrations and set-point definitions are simply adjustable by trimmer.
- 1 ON/OFF output for each measurement with the possibility to adjust the functioning hysteresis
- 1 output for each measurement 0/4 20 mA max charge 500 ohm
- Manual shunter for forcing the functioning of the output rele (ON or OFF)
- Compensation of the pH /Temperature with PT100 (optional)

#### **Optional:**

• RS 232 EXIT

#### **TECHNICAL INFORMATION**

Box	Made of self extinguishing Plastic
Holes	254 <sup>*</sup> 254 mm
Holes and brackets	294 * 254 (horizontal brackets) 254 * 294 (vertical brackets)
Protection degree	IP 67
Display	3 $\%$ digits LCD high contrast display
Rele outputs	1 power supplied exit for each measuring
mA Exit	0/20 or 4/20 mA max charge 500 ohm
pH rele hysteresis	Adjustable with a continuity from 0.1 to 1 pH
Rx rele hysteresis	Adjustable with a continuity from 1 to 10 mV
Accuracy	Minimal 1 % f.s.
Repeatibility	Minimal 0.5 % f.s.
Working Temperature	0 +50 °C
Power supply	220 - 110 - 24 Vac +/-10% 50-60 Hz 4 VA to be specified with the order

#### Note:

rev 2.1

Technical Datasheet The information regarding repeatibility and accuracy are related to the electronical side

.

# APPLICATIONS

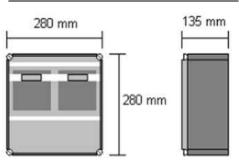
- Chemical industries
- Medical industries
- Laboratories and analysis
   Water Treatment
  - Rev
- Disinfection
  Swimming pools
  Reverse Osmosis
  - Keverse usmosis

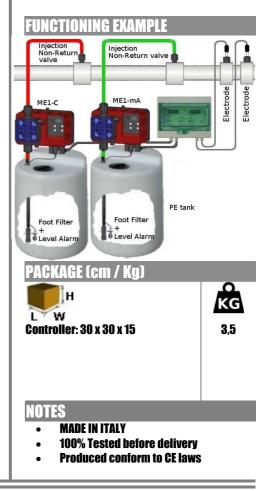
**Drinking Water** 



PROFESSIONAL pH and ORP DOUBLE CONTROLLER SERIES







MICRODOS Srl - Via maestri del lavoro, 5 - 02100 VAZIA (RI) - ITALY. Tel +39(0)746229064 - Fax +39(0)746221224 - Web: www.microdos.it



UNI EN ISO 9001:2008 CERTIFIED-Nr.B01107

## PRODUCT SPECIFICATIONS



- Professional microprocessor based digital Controller.
- Wall mounting, IP66 protection.
- Display LCD back-lighting 2 lines x 16 characters.
- Possible combinations : pH-Rx-T ; CL-pH-T ; pH-Rx-CL-T
- N° 2 rele 230 V exits for a selectable by program functioning like: ON-OFF, alarm, proportional PWM, proportional to impulses
- N°2 rele current free exits for selectable by program functioning like: ON-OFF, alarm, proportional PWM, proportional to impulses
- N°1 contact current free exit for allarms / errors
- N°2 Current 0/20 or 4/20 mA exits, selectable on one of the four measurements selectable from program, with galvanic separation on the outputs.
- Serial RS 232C output, available on a female 9 pins CANNON connector or ondemand on different connectors.

#### **Optional:**

• Remote Control

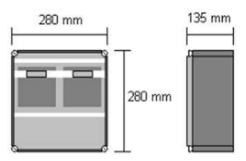
Water Treatment

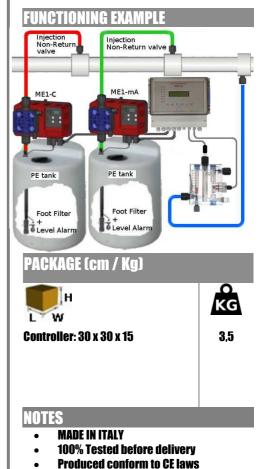
- 110111010	
TECHNICAI	LINFORMATION
BOX	Made of ABS
Holes and brackets	445 x 440 mm (horizontal brackets) 360 x 520 mm (vertical brackets)
Protection degree	1P66
Display :	LCD alphanumerical two lines for 16 characters , backlitted . h = 10 mm
Rele outputs	2 power supplied for selectable from program measurings
	2 current free for selectable from program measurings
	1 current free for selectable from alarms / errors
mA Output	2 with galvanic separation (0- 4/20 mA) max charge 700 ohm
	PH: Accuracy better than $\pm$ 0.02 pH ,repeatibility better than $\pm$ 0.01 pH
relyability	RX: Accuracy better than $\pm$ 0.02 mV , repeatibility better than $\pm$ 0.01 mV
	Temperatura: Accuracy better than $\pm$ 0.3 °C, repeatibility better than $\pm$ 0.2 °C.
	Cl2: standard scale 02.00 ppM Cl2 . Input from galvanometric chlorine cell CLE01D.
	Accuracy better than $\pm$ 0.02 ppM Cl2 , repeatibility better than $\pm$ 0.01 ppM Cl2
	Other input scales to be specified with the order (eg. 05ppM with the sensor CP-xxx)
Working temperature	-10+50 °C
Power Supply	230Vac +/- 10% 50-60 Hz , 45 VA (110 o 24 V~ 50-60 Hz upon request)
Note:	•
The informati	on regarding repeatibility and accuracy are related to the electronical side
APPLICATI	DNS
•	emical industries  • Drinking Water
	lical industries • Disinfection
• Lab	oratories and analysis • Swimming pools



PROFESSIONAL MULTIPARAMETRIC CONTROLLER SERIES







**Reverse Osmosis** 



# **SPEEDYPOOL**



Pool Control and Dosing Panel

- ABS Thermo-formed elegant panel
- Two MP1 Speedy -pH/Rx, dosing pumps with on-board pH/Rx controller.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security testing system I timed alarm I for possible chemical end or electrode reading defect.
- Plexiglas transparent electrode holder, with a window in the case showing the state of electrodes and water flow.
- A red light back illuminating the electrodes once the product is turned ON.
- Internal tap for water sampling (under the ABS front cover ).
- Minimal maintenance required.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

## **INSTALLATION KIT**

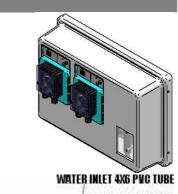
Standar Optiona	I 2 x BA	PP Injection FON lip Valve PP inj. Pyre LL valves wi stelloy sprin	e Tub x th	PE Injection le 2mt	2 x PVC Suction	<u>Tube</u>	2 x PP Filter	Foot	Mounting Screws
TECHN	IICAL I	NFORMAT	ION						
Type	Lt/h	ml/min	Bar	RPM	Watt	VA	C	inner Tube	Tube Diam.
pH	1	16,6	1	18	3,5	23	0	San	4x6
Redox	1.8	29.8	1	30	3.5	23	0	San	4x6

**<u>Optional:</u>** • Graphical personalization, barcode area with logo and address, manuals.

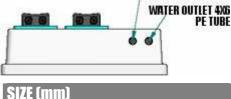
APPLICATIONS

1.1

Residential swimming pools



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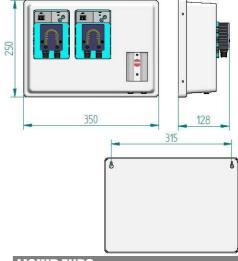


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CERTIFIED-Nr.B01107

VIEW



## LIQUID ENDS

Component	Standard	On-Rec	uest
Tube	Santoprene		
	4x7		
Fettings	PP		
Foot filter	PP-Viton		
	(one way)		
Injection valve	Viton		
Upon Reques	t:		
Injection	Hastelloy spr	ing	
valve	With Pyrex 6	nm Ball \	Valve
PACKAGE	(cm / Kg)		
A			о КG
48 x 32 x 15			3,5
NOTES			
	E IN ITALY		
• 100%	<b>Tested before</b>	delivery	
<ul> <li>Prod</li> </ul>	uced conform t	n CF Iaws	

Produced conform to CE laws



SPEEDY FAMILY

Pool Control and Dosing Panel



- ABS Thermo-formed elegant panel
- Two MP1Speedy -pH/Rx, Peristaltic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security system timed alarm for product end and electrode health testing system.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

#### INSTALLATION KIT

-			2 x PE Injection 2 x PVC Tube 2mt Suction Tube			2 x PP Foot Filter		
Optional	2 x P	P inj. Pyrex l	BALL valve	s with has	telloy spi	ring		
TECHN	ICAL IN	FORMATI	ON					
Type	Lt/h	ml/min	Bar	RPM	Watt	VAC	Inner Tube	Tube Diam
pH	1	16,6	1	18	3,5	230	San	4x6
Redox	1,8	29,8	1	30	3,5	230	San	4x6

**Optional:** 

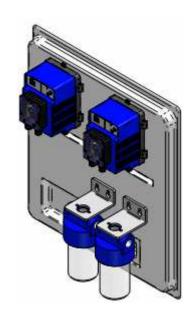
#### Graphical personalization, barcode area with logo and address, manuals.

#### **APPLICATIONS**

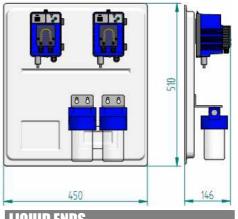
Residential Swimming Pools



#### VIEW



## SIZE (mm)



# LIQUID ENDS

Component	Standard	On-Rec	uest
Tube	Santoprene 4 x 7		
Fettings	PP		
Foot filter	PP-Viton		
	(one way)		
Injection valve	Viton		
Upon Request			
Injection	Hastelloy spr	ing	
valve	With Pyrex 6	nm Ball \	Valve
PACKAGE	(cm / Kg)		
A			KG
470 x 530 x 1	75		9 KG
NOTES			
• 100%	IN ITALY Tested before Iced conform to		5



MICRODOS Srl - Via maestri del lavoro, 5 - 02100 VAZIA (RI) - ITALY. Tel +39(0)746229064 - Fax +39(0)746221224 - Web: www.microdos.it



SPEEDY BLUE

**Pool Control and Dosing Panel** 



- **ABS Thermo-formed elegant panel**
- Two ME2 -pH/Rx. electromagnetic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security system timed alarm for product end and electrode health testing system.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

#### **INSTALLATION KIT**

Standa	rd		P Injection N lip Valve	2 x PE In Tube 2n	<b>jection</b> nt	2 x PVC Suction	Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optiona		2 x P	P inj. Pyrex BA	LL valves	with has	telloy spi	ring	·	
TECHI	IICA	IL IN	IFORMATIO	N					
Type	Lt/ pH-		ml/min pH-Rx	Bar pH-Rx	lmp /min	Watt	VA	C Strol	ke Tube Diam.
1,5 - 5	1,5	- 5	0,21 - 0,69	12 - 5	120	50	23	0 1,1-1	, <b>3 4x6</b>
5-7	5-	7	0,69 - 0,97	5-2	120	50	23	0 1,3 - 1	1,3 <b>4x</b> 6

Power: 230VAC

- **Optional:** Other Flow-Rates on request
  - Graphical personalization, barcode area with logo and address, manuals.

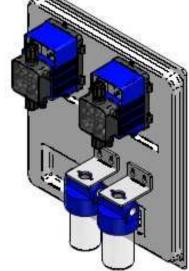
APPLICATIONS Swimming pools



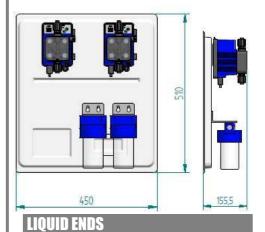
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CERTIFIED-Nr.B01107



## SIZE (mm)



#### Standard Optional Component PP 30% Talc re-**Pump Head** PVC / inforced PTFE Diaphragm PTFE **Double ball 6mm Pyrex** valve Injection PP fettings Ball – O Ring **Pyrex - Viton Upon Request:** Injection **Hastelloy spring** Valves Viton/Dutral Lip-Valves PACKAGE (cm / Kq) A KG BYC 470 x 530 x 175 9 KG NOTES MADE IN ITALY 100% Tested before delivery

- **Produced conform to CE laws**



SIMPLE FAMILY

**Pool Control and** 

**Dosing Panel** 



- ABS Thermo-formed elegant panel
- Two MP1S -pH/Rx, Peristaltic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security system timed alarm for product end and electrode health testing system.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

#### INSTALLATION KIT

Standard 2 x PP Injection VITON lip Valve			2 x PE Injection2 x PVCTube 2mtSuction Tube		2 x PP Foot Filter			
Optional	2 X P	P inj. Pyrex B	ALL valve	s with has	telloy spi	ring		
TECHN	ICAL IN	IFORMATIO	DN					
Type	Lt/h	ml/min	Bar	RPM	Watt	VA	C Inner Tube	Tube Diam
pH	1	16,6	1	18	3,5	23	0 San	4x6
Redox	1,8	29,8	1	30	3,5	23	0 San	4x6

**Optional:** 

rev 1.0

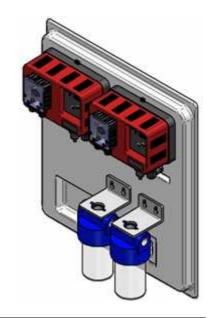
#### • Graphical personalization, barcode area with logo and address, manuals.

#### **APPLICATIONS**

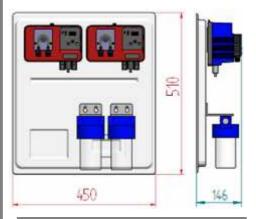
Residential Swimming Pools



#### VIEW



#### SIZE (mm)



Component	Standard	On-Rec	uest
Tube	Santoprene 4 x 7		
Fettings	PP		
Foot filter	PP-Viton		
	(one way)		
Injection valve	Viton		
<u>Upon Request</u>			
Injection	Hastelloy spr	ing	
valve	With Pyrex 6r	nm Ball \	laive
PACKAGE	(cm / Kg)		
A			о КG
470 x 530 x 1	75		9 KG
NOTES			
• 100%	IN ITALY Tested before Iced conform to		6



SIMPLE BLUE

Pool Control and Dosing Panel



- ABS Thermo-formed elegant panel
- Two ME1 S-pH/Rx, electromagnetic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security system timed alarm for product end and electrode health testing system.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

#### **INSTALLATION KIT**

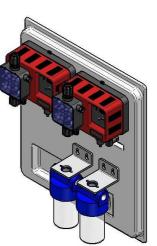
Standard 2 x PP Injection VITON lip Valve			2 x PE Injection2 x PVTube 2mtSuction		Tube	2 x PVC Bleed Tube			
Optiona		2 x P	P inj. Pyrex BA	LL valves	with has	telloy spi	ring		
TECHN	IC	AL IN	<b>IFORMATIO</b>	N					
Type	Lt/ pH	h -Rx	ml/min pH-Rx	Bar pH-Rx	lmp /min	Watt	VA	C Strol	ke Tube Diam.
1,5 - 5	1,5	- 5	0,21 - 0,69	12 - 5	120	50	23	0 1,1-1	,3 <b>4x6</b>
5-7	5-	7	0,69 - 0,97	5-2	120	50	23	0 1,3 - 1	1,3 4x6

Power: 230VAC

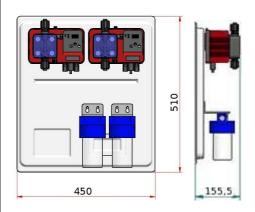
- **Optional:** Other Flow-Rates on request
  - Graphical personalization, barcode area with logo and address, manuals.



#### VIEW



#### SIZE (mm)



## LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Taic re-	PVC /
	inforced	PTFE
Diaphragm	PTFE	
Double ball	6mm Pyrex	
valve	_	
Injection	PP	
fettings		
Ball – O Ring	Pyrex - Viton	
<b>Upon Request</b>		
Injection	Hastelloy spring	
Valves	Viton/Dutral Lip-Va	aives
PACKAGE	(cm / Kg)	
A		
BC		KG
3750 3750		
470 x 530 x 1	/5	9 KG
NOTES		
• MADE	IN ITALY	
• 100%	Tested before deliv	erv

Produced conform to CE laws



POOL FAMILY

Pool Control and Dosing Panel



- ABS Thermo-formed elegant panel
- Two MP1 -pH/Rx, Peristaltic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Easy programming and calibration, possible with just two buttons and a digital display.
- T.A.L. security system timed alarm for product end and electrode health testing system.
- Low-Level Switch Possibility.
- Recycling pump dosing consense Possibility.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.

#### INSTALLATION KIT

Standar Optiona	VIT			Tube 2mt		Suction Tube		
-		NFORMATIC		5 WILII II da	orennà 2hi	IIIY		
Type	Lt/h	ml/min	Bar	RPM	Watt	VA	C Inner Tube	Tube Diam
pH	2,4	40	1	40	3,5	23	0 San	4x6
Redox	3,5	58	1	60	3,5	23	0 San	4x6

<u>Optional:</u> • Graphical personalization, barcode area with logo and address, manuals. • Dosing consense from recycling pump.

- Low Level switch arrangement.
- T.A.L. security system timed alarm for product end and electrode health testing system.

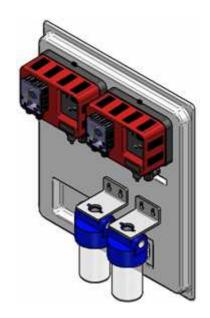
#### APPLICATIONS

**Residential Swimming Pools** 

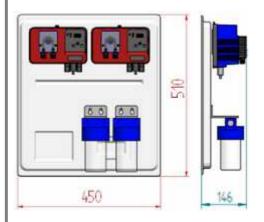


1 0





## SIZE (mm)



Component	Standard	On-Rec	uest
Tube	Santoprene 4 x 7		
Fettings	PP		
Foot filter	PP-Viton		
	(one way)		
Injection valve	Viton		
<u>Upon Reques</u>	<u>t:</u>		
Injection	Hastelloy spr	ing	
valve	With Pyrex 6	nm Ball \	laive
PACKAGE	(cm / Kg)		
A			KG
470 x 530 x	175		9 KG
NOTES			
• MADI	E IN ITALY		
• 100%	<b>Tested before</b>	delivery	
Prod	uced conform t	D CE laws	5





POOL MIX

Pool Control and Dosing Panel

- ABS Thermo-formed elegant panel
- MP1 -pH Peristaltic dosing pump and ME1-Rx Electromagnetic pump, with onboard pH/Rx controllers
- Digital display for reading and programming
- Easy programming and calibration, possible with just two buttons and a digital display
- T.A.L. security system timed alarm for product end and electrode health testing system
- Low-Level Switch Possibility
- Recycling pump dosing consense Possibility
- Bath type electrode holder, with one 50 microns filter ahead
- Supplied assembled and ready for usage
- Supplied complete with an installation kit
   OPTIONAL
- Pumps Low Level switch Alarm pre-arrangemen.
- Dosing Consense
- Other Flow-Rates on request
- Graphical personalization, barcode area with logo and address, manuals
- ME1-Rx PVDF pump head

#### INSTALLATION KIT

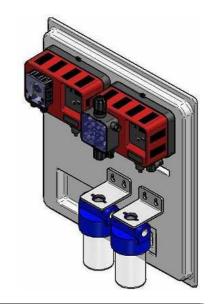
Standard Optional	VITON lip Valve			-			2 x PP Foot Filter	1,.5 mt Bleed Tube
TECHN	ICAL II		ON					
Туре	Lt/h	mi	Bar	Speed	Watt	VAC	Material	Ext. Tube
pH MP1	2,4	40 / MIN	1	40 RPM	3,5	230	San. Tube	4x6
Rx ME1	5	0,46 / IMP	1	180 Imp/mi	n 100	230	PP. Head	4x6
pH MP2	4	66,8 / MIN	1	31 RPM	3,5	230	San. Tube	4x6
Rx ME1	5	0,46 / IMP	1	180 Imp/mi	n 100	230	PP. Head	4x6

#### APPLICATIONS

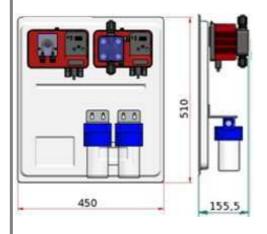
Residential Swimming Pools



## VIEW



## SIZE (mm)



LIQUID ENDS		
COMPONENT	MP1-pH	ME1-Rx
Pump head		PP
Diaphragm		PTFE
Double ball valve		Pyrex
Injection fittings	PP	PP
0 rings	Viton	Viton
Footvalve	<b>PP-Viton</b>	<b>PP-Viton</b>
PACKAGE (cm /	Kg)	

A B C	KG
470 x 530 x 175	9 KG
NOTES	
MADE IN ITALY	
• 100% Tested before delivery	

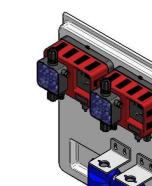
Produced conform to CE laws



POOL BLUE



Pool Control and Dosing Panel

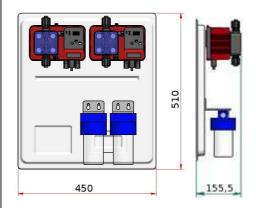


## SIZE (mm)

ertitalia

UNI EN ISO 9001:2008

CERTIFIED-Nr.B01107



## LIQUID ENDS

EIQUID EN			
Component	Standard	Op	tional
Pump Head	PP 30% Taic re-	P۱	IC /
	inforced	P	FE
Diaphragm	PTFE		
Double ball	6mm Pyrex		
valve			
Injection	PP		
fettings			
Ball – O Ring	Pyrex - Viton		
<u>Upon Request</u>			
Injection	Hastelloy spring		
Valves	Viton/Dutral Lip-V	alve	S
PACKAGE	(cm / Kg)		
A			
BC			KG
470 x 530 x 1	75		9 KG
NOTES			
• MADE	IN ITALY		
• 100%	Tested before deliv	erv	
	iced conform to CE	-	
iiout			



- Two ME1 -pH/Rx, electromagnetic dosing pumps with on-board pH/Rx controllers.
- Digital display for reading and programming.
- Professional programming options, pH+ pH-, setpoint, ...
- T.A.L. security system timed alarm for product end and electrode health testing system on demand.
- Bath type electrode holder, with one 50 microns filter ahead.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.
- Double power supply, for Recycling pump dosing consense on demand
- Low level switch possibility on demand

## **INSTALLATION KIT**

Standard 2 x PP Injection VITON lip Valve			2 x PE Injection2 xTube 2mtSu		Tube	2 x PP Foot Filter	2 x PVC Bleed Tube	
Optiona	I 2 X	PP inj. Pyrex E	BALL valves	with has	telloy spi	ring		
TECHN	ICAL I	NFORMATI	ON					
Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	lmp /min	Watt	VA	C Strok	e Tube Diam.
4 - 4	4	0,37	9	180	100	23	0 0,9	4x6
5 - 5	5	0,46	8	180	100	23	0 1,1	4x6
8 - 8	8	0,74	4	180	100	23	0 1,3	4x6
10 - 10	10	0,92	2	180	100	23	0 1.3	4x6

#### Power: 230VAC

#### **Optional:** • Other Flow-Rates on request

• Graphical personalization, barcode area with logo and address, manuals.

#### APPLICATIONS

rev 1.0

Professional Swimming pools









- PVC panel with hidden connection line (one only plug out)
- One ME1-pH electromagnetic pump with pn-board pH controller.
- One MSB Chlorine Controller
- One ME1-mA proportiona dosing pump (driven by MSB controller)
- One CG-CL3 Chlorine electrode
- Digital display for reading and programming.
- Professional programming options
- T.A.L. security system timed alarm for product end and electrode health testing system loptional on ME1-pH pumpl.
- One 50 microns filter ahead for cleaning incoming water.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.
- Recycling pump dosing consense (optional ME1-pH pump)
- Low level switch possibility on demand (on both pumps)

## **INSTALLATION KIT**

Standar	-			2 x PE Injection 2 x PVC Tube 2mt Suction Tube				2 x PVC Bleed Tube	
Optiona	I 21	x PP inj. Pyrex l	BALL valves	with has	telloy spi	'ing			
TECHN	IICAL	INFORMATI	ON						
Type	Lt/h pH-R>	ml/imp c pH-Rx	Bar pH-Rx	lmp /min	Watt	VAC	Stroke	) Tube Diam.	
4 - 4	4	0,37	9	180	100	230	0,9	4x6	
5-5	5	0,46	8	180	100	230	1,1	4x6	
8-8	8	0,74	4	180	100	230	1,3	4x6	
10 - 10	10	0.92	2	180	100	230	1.3	4x6	

#### Power: 230VAC

<u>Optional:</u> • Other Flow-Rates on request

• Graphical personalization, barcode area with logo and address, manuals.

• Graphical personalization of the panel

#### APPLICATIONS

1.0

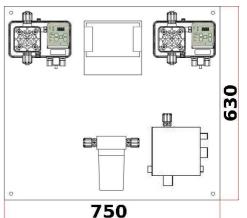
Professional Swimming pools



CE

Pool Control and Dosing Panel

## SIZE (mm)



Componen	t   Standard	Optional
<b>Pump Head</b>	I PP 30% Talc	<b>PVC / PTFE</b>
	re-inforced	
Diaphragm	PTFE	
Double bal valve	I 6mm Pyrex	
Injection fettings	PP	
Ball – O	Pyrex - Viton	
Ring		
<u>Upon Requ</u>	<u>est:</u>	
Injection Valves	Hastelloy spring Viton/Dutral Lip-V	alves
	(cm / Kg)	
П		KG
760 x 660 x 2	260	13 KG
NOTES		
• 100%	IN ITALY Tested before deliv Iced conform to CE I	-



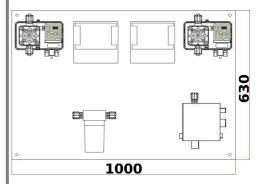




CE

Pool Control and Dosing Panel

SIZE (mm)



LIQUI	D END	S

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PVDF
Diaphragm	PTFE	
Injection Valve	6mm Pyrex	Hastelloy spring- Viton/Dutral
Injection fettings	PP	
0 Ring	Viton	



•	<b>PVC</b> panel with	hidden connection line	(one only plug out)
---	-----------------------	------------------------	---------------------

- Two ME1-mA electromagnetic proportional pumps driven by controllers.
- Two MSBpH/Rx Chlorine Controller
- One CG-CL3 Chlorine electrode
- One pH electrode
- Digital display for reading and programming.
- Professional programming options
- One 50 microns filter ahead for cleaning incoming water.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.
- Low level switch possibility on demand (on both pumps)

## **INSTALLATION KIT**

Standar		PP Injection ON lip Valve	2 x PE in Tube 2n	-	2 x PVC Suction			2 x PVC Bleed Tube
Optiona	I 2x	PP inj. Pyrex B	ALL valves	with has	telloy spi	ʻing		
TECHN	IICAL II	NFORMATIO	DN					
Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	lmp /min	Watt	VAC	Stroke	Tube Diam.
4-4	4	0,37	9	180	100	230	0,9	4x6
5-5	5	0,46	8	180	100	230	1,1	4x6
8-8	8	0,74	4	180	100	230	1,3	4x6
10 - 10	10	0,92	2	180	100	230	1,3	4x6

**<u>Optional:</u>** • Other Flow-Rates on request

• Graphical personalization, barcode area with logo and address, manuals.

- Graphical personalization of the panel
- PVDF Pump heads

#### APPLICATIONS

1 0

Professional Swimming pools

MICRODOS Srl - Via maestri del lavoro, 5 - 02100 VAZIA (RI) - ITALY. Tel +39(0)746229064 - Fax +39(0)746221224 - Web: www.microdos.it





- PVC panel with hidden connection line (one only plug out)
- Two ME1-mA electromagnetic proportional pumps driven by controllers.
- One MS-MP Multiparametric Controller
- One CG-CL3 Chlorine electrode
- One pH electrode
- Digital display for realtime reading and programming.
- Professional programming options
- One 50 microns filter ahead for cleaning incoming water.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.
- Low level switch possibility on demand (on both pumps)

## **INSTALLATION KIT**

Standard		2 x PP Injection VITON lip Valve			2 x PE Injection Tube 2mt		Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional		2 x PP inj. Pyrex BA		BALL valves	L valves with has		ring		·
TECHN	IICA		IFORMATI	ON					
Type	Lt/h pH-	-	ml/imp pH-Rx	Bar pH-Rx	lmp /min	Watt	VA	C Stro	ke Tube Diam.
4 - 4	4		0,37	9	180	100	23	0 0,9	4x6
5 - 5	5		0,46	8	180	100	23	0 1,1	4x6
8-8	8		0,74	4	180	100	23	0 1,3	4x6
10 - 10	10		0.92	2	180	100	23	0 1,3	4x6

#### **<u>Optional:</u>** • Other Flow-Rates on request

• Graphical personalization, barcode area with logo and address, manuals.

- Graphical personalization of the panel
- PVDF Pump Head
- Remote monitorning and control system [through the internet]
- Flow Sensor

## APPLICATIONS

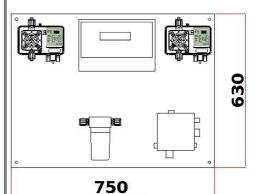
Professional Swimming pools



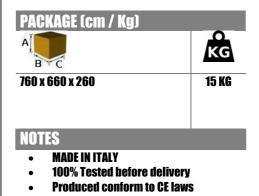


Pool Control and Dosing Panel

#### SIZE (mm)



Component	Standard	Optional
Pump Head	PP 30% Talc re- inforced	PVC / PVDF
Diaphragm	PTFE	
Injection Valve	6mm Pyrex	Hastelloy spring Viton/Dutral
Injection fettings	PP	
0 Rings	Viton	1









- PVC panel with hidden connection line (one only plug out) •
- One ME1-mA electromagnetic pump proportional to the MSB controller.
- **One MSB Chlorine Controller**
- **One CG-CL1 Chlorine Cell**
- Digital display for reading and programming.
- **Professional programming options**
- One 50 microns filter ahead for cleaning incoming water.
- Supplied assembled and ready for usage.
- Supplied complete with an installation kit.
- Low level switch possibility on demand (on the dosing pump)

#### **INSTALLATION KIT**

		2 x PP Injection VITON lip Valve		2 x PE Injection Tube 2mt		Tube	2 x PP Foot Filter	2 x PVC Bleed Tube	
Optiona				LL valves with hastelloy spring					
TECH	NIG.	L INFORMATI	ON						
Type	Lt/i	n ml/imp	Bar	Imp/min	Watt	VAC	Strok	e Tube Diam.	
DP 4	4	0,37	9	180	100	230	0,9	4x6	
DP 5	5	0,46	8	180	100	230	1,1	4x6	
DP 8	8	0,74	4	180	100	230	1,3	4x6	
DP 10	10	0.92	2	180	100	230	1.3	4x6	

#### Power: 230VAC

**Optional:** • Other Flow-Rates on request

• Graphical personalization, barcode area with logo and address, manuals.

• Graphical personalization of the panel

#### APPLICATIONS

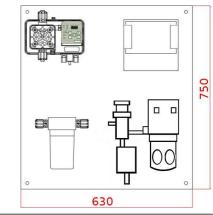
**Drinking Water Chlorination** 



CE

**Drinking Water Control** and Dosing Panel





Component	Standard	Optional			
Pump Head	PP 30% Talc re-	PVC /			
	inforced	PTFE			
Diaphragm	PTFE				
Double ball valve	6mm Pyrex				
Injection fettings	PP				
Ball – O Ring	Pyrex - Viton				
<u>Upon Request</u>	<u>-</u>				
Injection	<b>Hastelloy spring</b>				
Valves	Viton/Dutral Lip-V	alves			
PACKAGE	(cm / Kg)				
A		KG			
750 x 660 x 260 13 KG					
NOTES					
	IN ITALY Tested before deliv	ery			

- **Produced conform to CE laws**







# GP - GPA

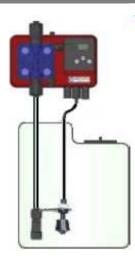
# **Complete Dosing Systems**

GP : Complete system ready for the pump mounting, composed of a PE Tank, Tank reinforcement for pumps and mixers, vertical pump mounting. Level sensor option upon request.

GPA : Complete system ready for the pump and Mixer mounting, composed of a PE Tank, Tank reinforcement for pumps and mixers, vertical pump mounting, fixed suction support.Level sensor option upon request.

## TECHNICAL INFORMATION

MODEL	CODE
GP 100 LT	11.160.000
GP 200 LT	11.160.001
GP 300 LT	11.160.002
GP 500 LT	11.160.003
GP 100 LT + LEV.	11.160.500
GP 200 LT + LEV.	11.160.501
GP 300 LT + LEV.	11.160.502
GP 500 LT + LEV.	11.160.503
GPA 100 LT + LANCIA ASP.	11.165.000
GPA 200 LT + LANCIA ASP.	11.165.001
GPA 300 LT + LANCIA ASP.	11.165.002
GPA 500 LT + LANCIA ASP.	11.165.003
GPA 100 LT + LANCIA ASP.+LEV	11.165.500
GPA 200 LT + LANCIA ASP.+LEV	11.165.501
GPA 300 LT + LANCIA ASP.+LEV	11.165.502
GPA 500 LT + LANCIA ASP.+LEV	11.165.503



## **PUMP TO USE IN THE SYSTEM**

PUMP TO ADD	L/h-Bar	CODE
	1,5-12	E01CA1215300
	02-11	E01CA1102300
	04-09	E01CA0904300
	05-08	E01CA0805300
	07-05	E01CA0507300
ME1-C (Constant Pump with a digitally	08-04	E01CA0408300
adjustable flow)	10-02	E01CA0210300
	15-0,5	E01CA0515300
	1,5-12	E02CA1215300
	02-11	E02CA1102300
	04-09	E02CA0904300
	05-08	E02CA0805300
	07-05	E02CA0507300
ME1-i (Digital Pump, Proportional to	08-04	E02CA0408300
watermeter impulses)	10-02	E02CA0210300
·····	15-0,5	E02CA0515300



## AGITATOR TO USE IN THE GPA SYSTEM

	MOD	СМ	RPM*	S-Mix	T-Mix	M-Mix
		CIW	(*Electric Models)	CODE	CODE	CODE
		60	70	11.044.000	11.044.008	11.044.600
÷ 4 &		60	1400	11.044.300	11.044.304	
	PVC SHAFT	70	70	11.044.001	11.044.009	11.044.601
	AISI SHAFT	70	1400	11.044.301	11.044.305	
		80	70	11.044.002	11.044.010	11.044.602
		90	70	11.044.003	11.044.011	11.044.603
		60	70	11.044.004	11.044.012	
		60	1400	11.044.302	11.044.306	
		70	70	11.044.005	11.044.013	
		70	1400	11.044.303	11.044.307	
		80	70	11.044.006	11.044.014	
		90	70	11.044.007	11.044.015	

## WATERMETER TO USE IN THE SYSTEM



THREADED MODEL	DN	ATTACCHI FETTINGS	CODE
	15	1/2"	11.041.000
	20	3/4"	11.041.001
	25	1"	11.041.002
COLD WATER	30	1"1/4	11.041.003
	40	1"1/2	11.041.004
	50	2"	11.041.005
	50	2" FLANG	11.041.006
		_	
	15	1/2"	11.041.050
		1/2" <b>3/4</b> "	
	15		11.041.050
HOT WATER	15 <b>20</b>	3/4"	11.041.050 11.041.051
HOT WATER	15 <b>20</b> 25	<b>3/4"</b> 1"	11.041.050 <b>11.041.051</b> 11.041.052
HOT WATER	15 20 25 30	3/4" 1" 1"1/4	11.041.050 <b>11.041.051</b> 11.041.052 <b>11.041.053</b>



FLANGED MODEL	DN	ATTACCHI FETTINGS	CODE
	50	2"	11.041.500
WOLTMANN	65	2"1/2	11.041.501
	80	3"	11.041.502
COLD WATER	100	4"	11.041.503
	125	5"	11.041.504
	150	6"	11.041.505
	200	8"	11.041.506
WOLTMANN	50	2"	11.041.550
	65	2"1/2	11.041.551
HOT WATER	80	3"	11.041.552
	100	4"	11.041.553

#### APPLICATIONS

- Water Treatment
- Chemical Industry
- Swimming pools
- Medical industries
- Laboratories and analysis
- Detergency

#### NOTES

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws

rev 2.0