microdos

dosing systems

Technical Datasheets

100% TESTED

CE

certitalia
UNI EN ISO 9001:2008
CERTIFIED-Nr.B01107

100% made in ITALY

PRODUCT SPECIFICATIONS

MP1

Compact Peristaltic Pump With Fixed Flow

- 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

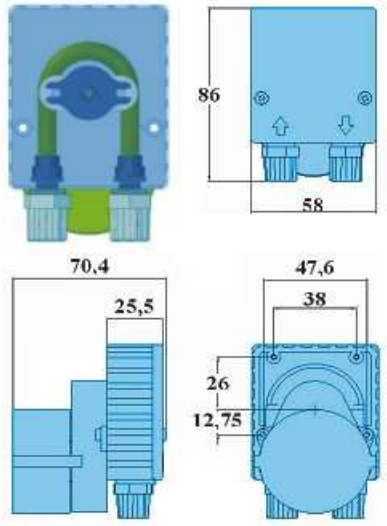
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	Inner Tube	Outer Tube
P01AA0106000	0,6	9	1	10	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0112000	1,2	18,6	1	20	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0118000	1,8	28	1	30	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0124000	2,4	40	1	40	5	230 VAC	SAN. 4x7	4x6 MM
P01AD0124000	2,4	40	1	40	3,5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

Optional: • Other Flow-Rates on request

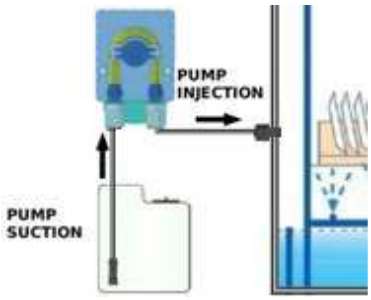
APPLICATIONS

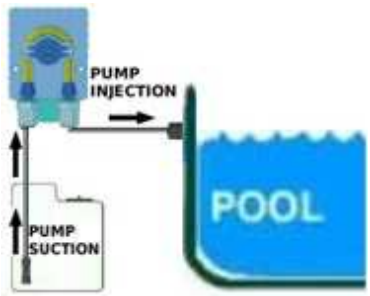
- Chemical industries
- Medical industries
- Laboratories and analysis
- Food industries
- Detergency
- Disinfection
- Swimming pools

PUMP VIEW (mm)



INSTALLATION EXAMPLES





LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)

A B C	KG
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

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PRODUCT SPECIFICATIONS

MP2-P

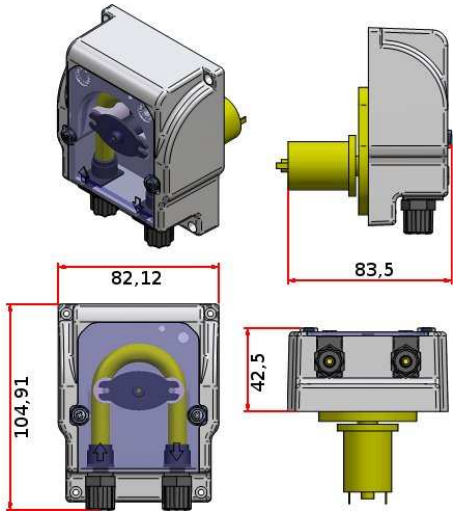
Peristaltic Pump With Fixed Flow

- 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

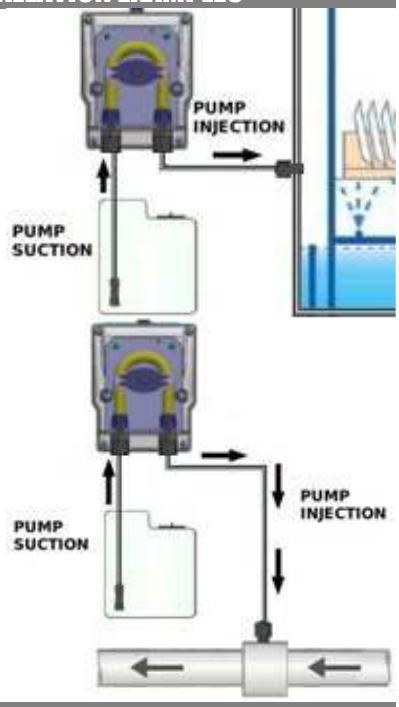
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



TECHNICAL INFORMATION

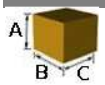
CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	Inner Tube	Outer Tube
P01AA0106000	0,6	9	1	10	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0112000	1,2	18,6	1	20	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0118000	1,8	28	1	30	3,5	230 VAC	SAN. 4x7	4x6 MM
P01AA0124000	2,4	40	1	40	5	230 VAC	SAN. 4x7	4x6 MM
P01AD0124000	2,4	40	1	40	3,5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

Optional: • Other Flow-Rates on request

LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)



	KG
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

APPLICATIONS

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

NOTES

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PRODUCT SPECIFICATIONS

MP2-B

Peristaltic Pump With Fixed Flow

- 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

Mounting Bracket	Suction Tube 2mt PVC	Inj.Tube 2mt PE

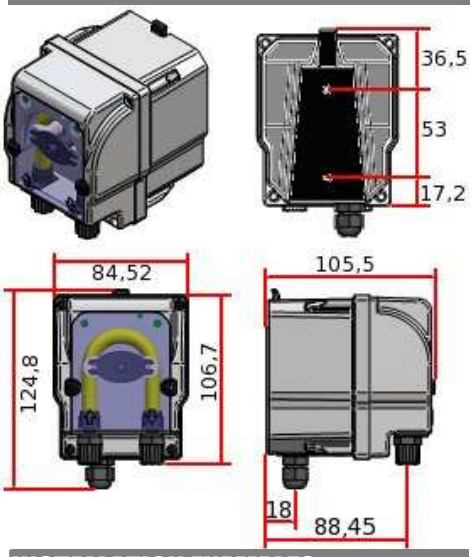
TECHNICAL INFORMATION

CODE	Lt/h	ml/min	Bar	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

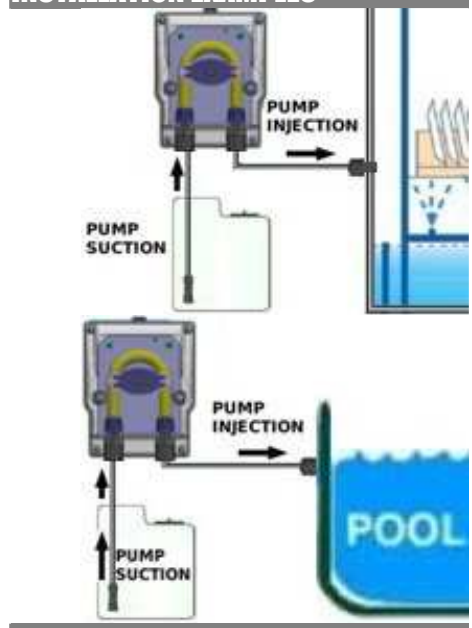
APPLICATIONS

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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



LIQUID ENDS

COMPOMENT	MATERIAL
INNER TUBE	SANTOPRENE/SILICON
FETTINGS	POLYPROPILENE

PACKAGE (cm / Kg)

	KG
Pump: 12 x 18 x 12	0,70
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

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PRODUCT SPECIFICATIONS

MP2-R

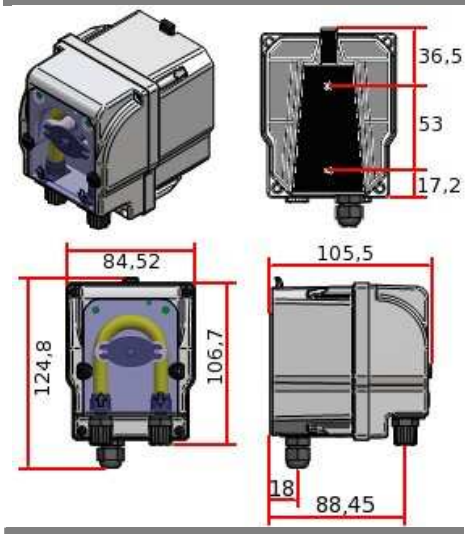
Peristaltic Pump With Speed Adjustable Flow

- 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

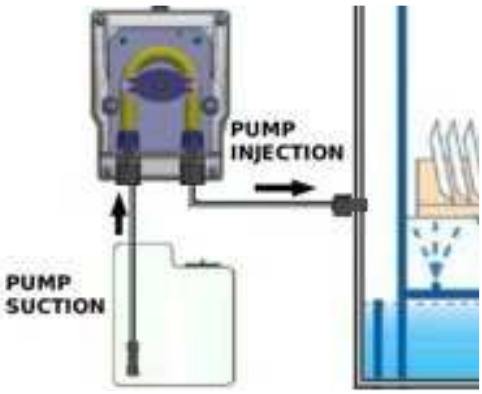
OPTIONAL:

- 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)

PUMP VIEW (mm)



INSTALLATION EXAMPLES



INSTALLATION KIT

For Detergent	Mounting Bracket	Injection Valve	Inj.Tube 2mt PVC	Suction Tube PVC	Foot Filter	
For Rinse-Aid	Mounting Bracket		Inj.Tube 2mt PE	Suction Tube PVC	Foot Filter	Tub Plug PP

LIQUID ENDS

COMPOMENT	STANDARD MATERIAL	OPTIONAL MATERIAL
INNER TUBE	SANTOPRENE /SILICON	
FETTINGS	POLYPROPILENE	
Foot filter	AISI 316	
Injection valve	AISI 316-Viton	AISI 316-Dutral

TECHNICAL INFORMATION

CODE	Lt/h	ml/min	Bar	Rpm/min	Watt	Power	Inner Tube	Outer Tube
P04CM0301200	1	16,6	3	30	3,5	20-260VAC	Silicon	4x6
P04AM0104100	4	75	1	31	3,5	20-260VAC	Santoprene	4x6
P04AM0106100	6	95	1	40	3,5	20-260VAC	Santoprene	4x6
P04CA0301200	1	16,6	3	30	3,5	240VAC	Silicon	4x6
P04AA0104100	4	75	1	31	3,5	240VAC	Santoprene	4x6
P04AA0106100	6	95	1	40	3,5	240VAC	Santoprene	4x6

PACKAGE (cm / Kg)

	KG
Pump: 12 x 18 x 12	0,90
Multipack (27Psz): 55 x 39 x 38	24,30
PUMPS/PALLET (216 Psz): 80x120x175	194,50

APPLICATIONS

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

NOTES

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

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PRODUCT SPECIFICATIONS

MP2-C

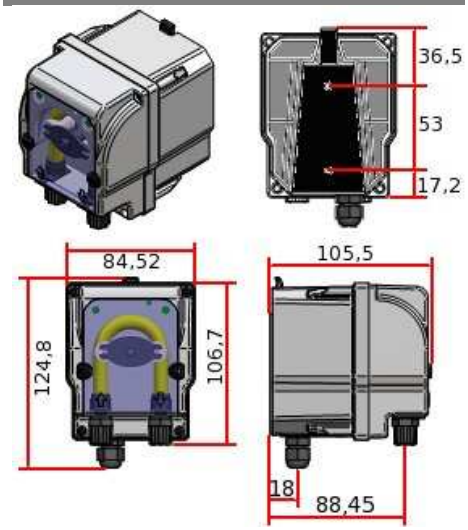
Peristaltic Pump Proportional to Conductivity

- 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

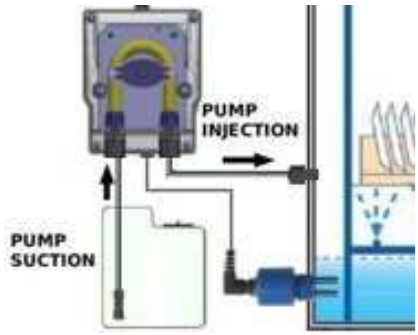
OPTIONAL:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



INSTALLATION KIT

Mounting Bracket	Suction Tube 2mt PVC	Inj.Tube 2mt PE	Tub Plug	Conductivity K1 probe	Foot filter	Mounting Bracket

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

LIQUID ENDS

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 B C	KG
Pump: 12 x 18 x 12	0,90
Multipack (27Psz): 55 x 39 x 38	24,30
PUMPS/PALLET (216 Psz): 80x120x175	194,50

APPLICATIONS

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

NOTES

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- 100% Tested before delivery
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CE

PRODUCT SPECIFICATIONS

MP3

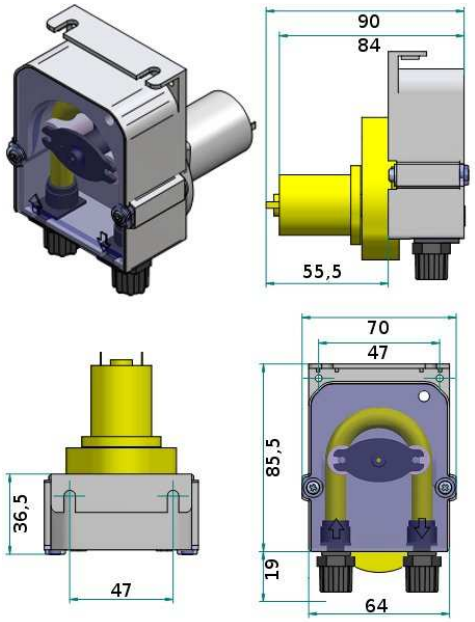
Peristaltic Pump With Fixed Flow

- 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.
- Suitable for being mounted in Watertight Panels
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply 240VAC - 24VDC

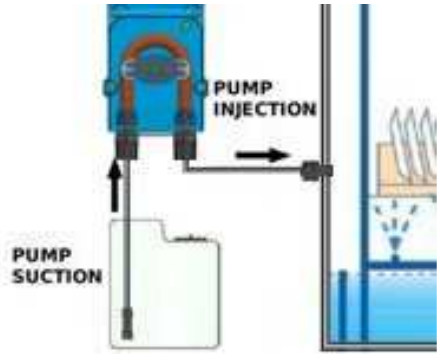
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



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

LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)

	KG
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

APPLICATIONS

- 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

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PRODUCT SPECIFICATIONS

MP3-B

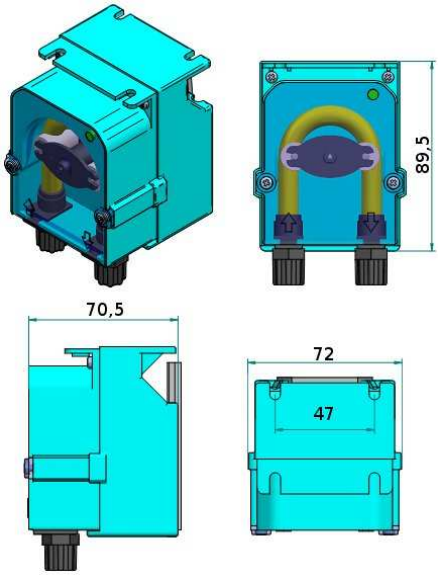
Peristaltic Pump With Fixed Flow

- 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

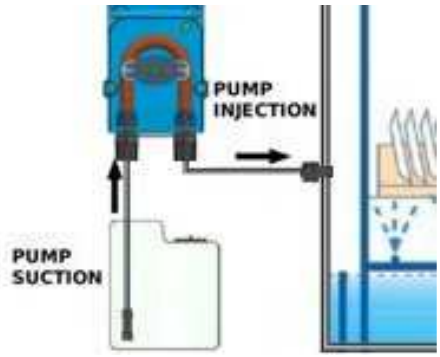
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



TECHNICAL INFORMATION

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

LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon/Tygon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)

A B C	KG
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

APPLICATIONS

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

NOTES

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PRODUCT SPECIFICATIONS

MP3-T

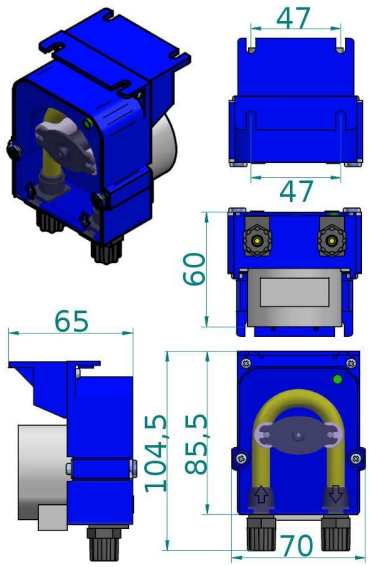
Peristaltic Pump
ON-OFF Time
Adjustable Flow

- 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)

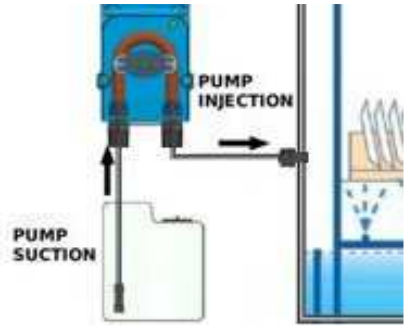
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (OPTIONAL)

For Detergent	Injection Valve	Inj.Tube 2mt PVC	Suction Tube PVC	Foot Filter
For Rinse-Aid		Inj.Tube 2mt PE	Suction Tube PVC	Foot Filter

LIQUID ENDS

COMPONENT	MATERIAL
TUBE	SANTOPRENE/ SILICON
FETTINGS	PP

DETTAGLI TECNICI

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

PACKAGE (cm / Kg)

	KG
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

APPLICATIONS

- 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

Rev 3.0
Technical Datasheet

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CE

PRODUCT SPECIFICATIONS

MP3-BT

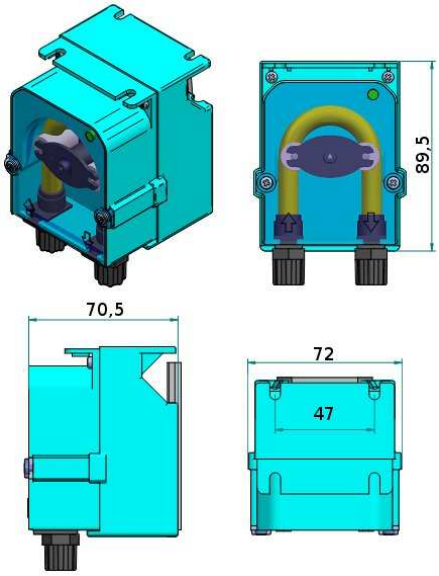
Peristaltic Pump
ON-OFF Time
Adjustable Flow

- 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

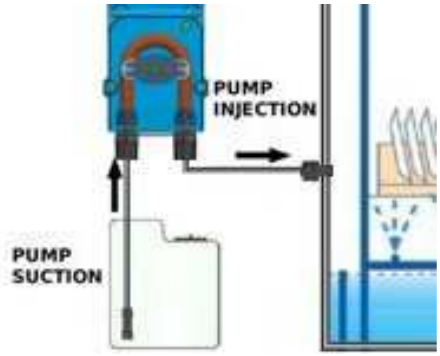
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



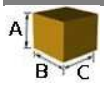
TECHNICAL INFORMATION

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

LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon/Tygon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)

	KG
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

APPLICATIONS

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

NOTES

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

Rev 2.0
Technical Datasheet

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PRODUCT SPECIFICATIONS

MP3-B1T

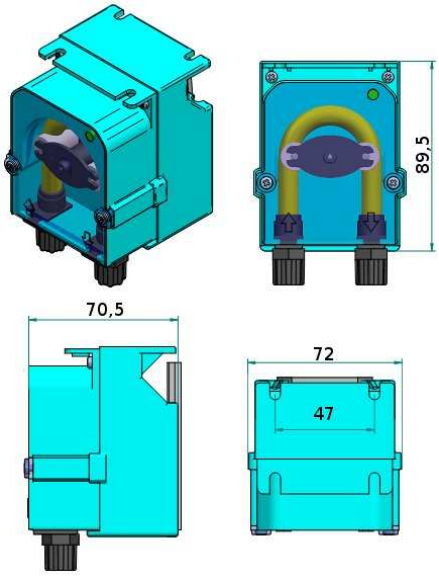
Peristaltic Pump With Adjustable Flow

- 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

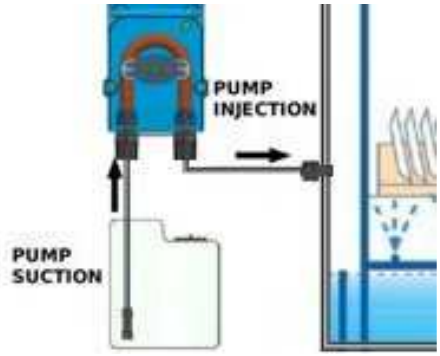
Optional:

- 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

PUMP VIEW (mm)



INSTALLATION EXAMPLES



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

LIQUID ENDS

COMPONENT	STANDARD	OPTIONAL
INNER TUBE	Santoprene 4x7	Silicon/Tygon
FETTINGS	PP (30% TALK)	

PACKAGE (cm / Kg)

	KG
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

APPLICATIONS

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

NOTES

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CE

PRODUCT SPECIFICATIONS

ME2-CA

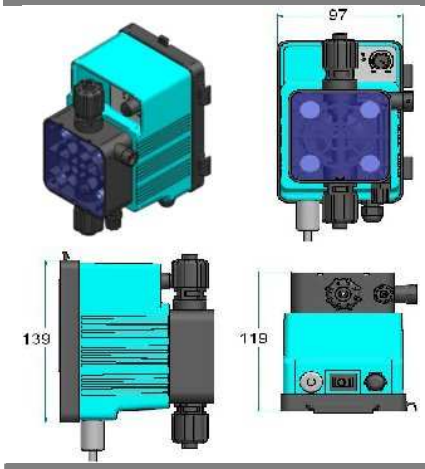
Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- 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

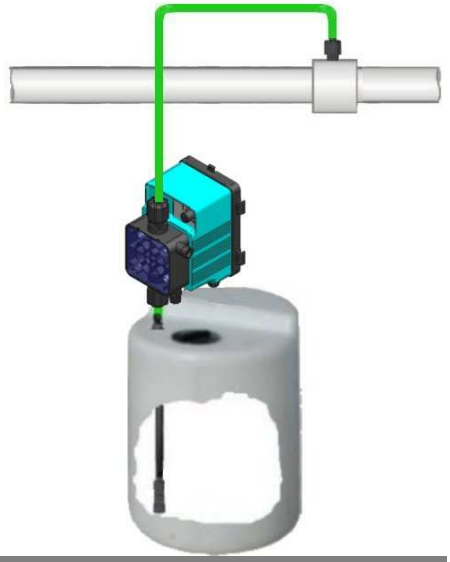
Optional:

- ***Self Degassing Pump Head***
- ***PVDF Pump Head***

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

TECHNICAL INFORMATION

CODE: *LIP VALVE Version*	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	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	7	120	1,3	50	4x6 mm
BALL VALVE Version							
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

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	3,00
Multipack (9 Psz): 50 x 25 x 57	27

APPLICATIONS

- Chemical industries
- Laboratories and analysis
- Water Treatment
- Detergency
- Disinfection
- Swimming pools

NOTES

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CE

PRODUCT SPECIFICATIONS

ME1-CA

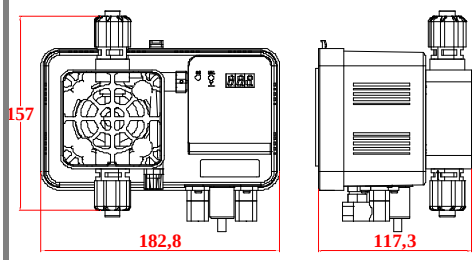
Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- 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

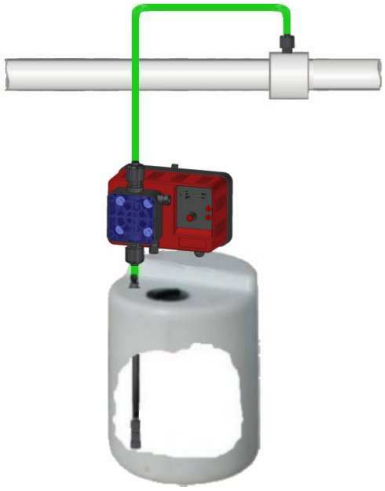
Optional:

- ***Self Degassing Pump Head***
- ***PVDF Pump Head***

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/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-Rates on request

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

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APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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PRODUCT SPECIFICATIONS

ME1-C

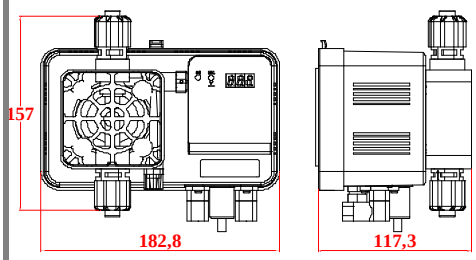
Constant Digital Electromagnetic PumpWith Adjustable Flowrate

- 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

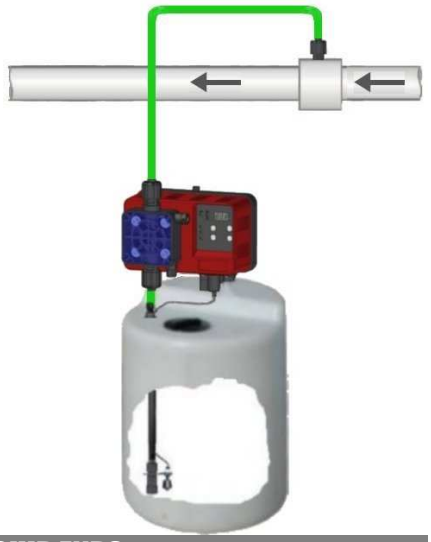
Optional:

- *Prearrangement for low level switch sensor*
- *Self Degassing Pump Head*
- *Other Flow-Rates (different from the standard indicated below) on request*
- *PVDF Pump Head*

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

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

PACKAGE (cm / Kg)

KG

Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

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Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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PRODUCT SPECIFICATIONS

ME1-i

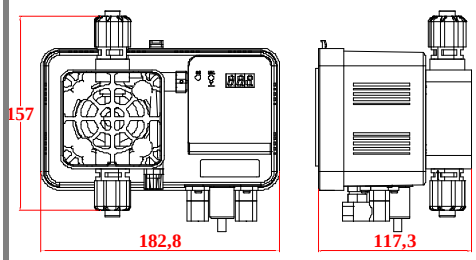
Proportional to Impulses Electromagnetic Digital Dosing Pump

- 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

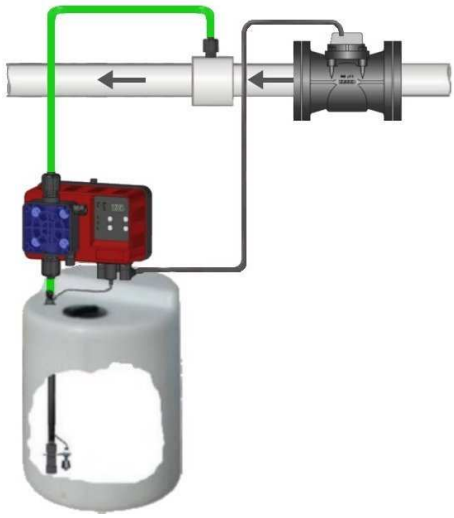
Optional:

- *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*

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E02CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E02CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E02CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E02CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E02CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E02CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E02CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E02CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

rev 2.0

Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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CE

PRODUCT SPECIFICATIONS

ME1-mA

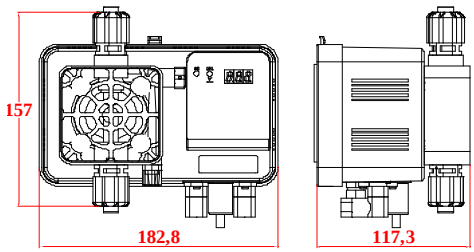
Proportional to External mA Signal Electromagnetic Digital Dosing Pump

- 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

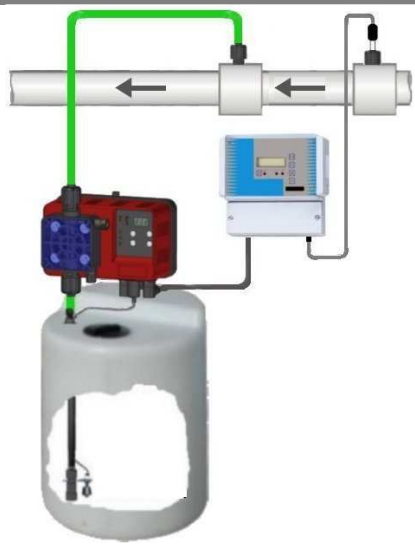
Optional:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

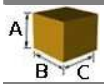
LIQUID ENDS

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

TECHNICAL INFORMATION

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

PACKAGE (cm / Kg)



	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

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Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

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PRODUCT SPECIFICATIONS

MP1Speedy-pH

Digital Dosing pump with pH control on-board

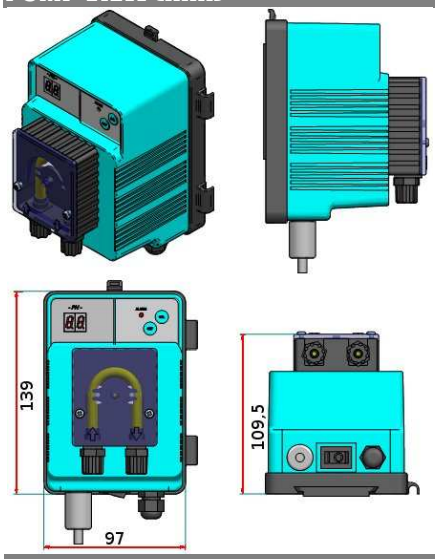
- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- Probe efficiency indication
- Standard dosing mode (pH-) ACID Dosing
- Automatioc calibration of just one pH point (pH7) using only one button!
- Easy installation and minimal maintenance
- 2 x 7 Segments digital display and one alarm led
- PP CASE and pump body, reinforced 30% 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:

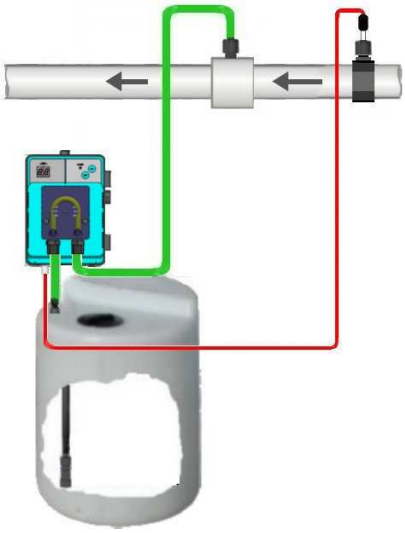
- *On-Off Button*
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S20AA0101300	1	0,56	1	30	16,7	8	4x6 mm

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	1,80
Multipack (9 Psz): 50 x 25 x 57	17

Rev 2.0

Technical Datasheet

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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

microdos dosing systems

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CE

PRODUCT SPECIFICATIONS

MP1Speedy-Rx

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*
- ***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)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x ORP Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc 468mV buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S21AA0118300	1,8	1	1	30	30	8	4x6 mm

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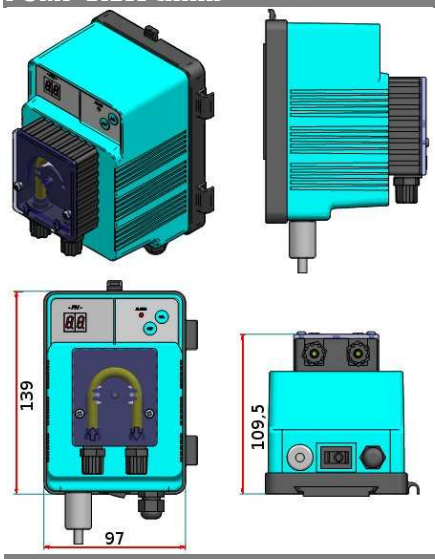
Technical Datasheet

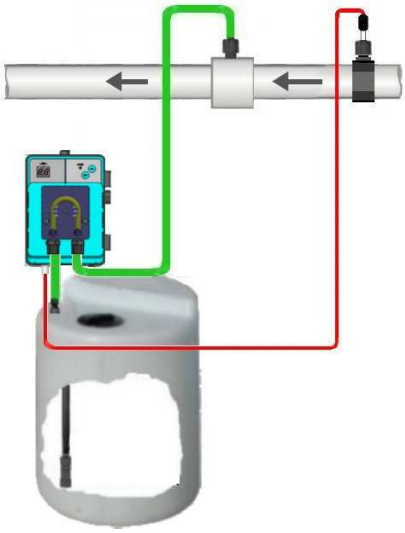
APPLICATIONS

- Residential Swimming Pools
- Water Treatment

PUMP VIEW (mm)



INSTALLATION EXAMPLE



LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	1,80
Multipack (9 Psz): 50 x 25 x 57	17

NOTES

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

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CE

PRODUCT SPECIFICATIONS

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:***

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 Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S24AA0115300	1,5	2,5	1	10	25	8	4x6 mm

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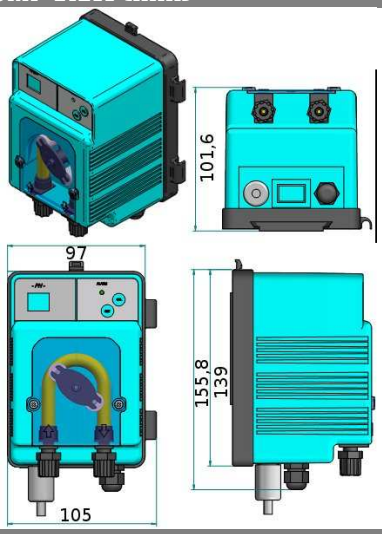
Technical Datasheet

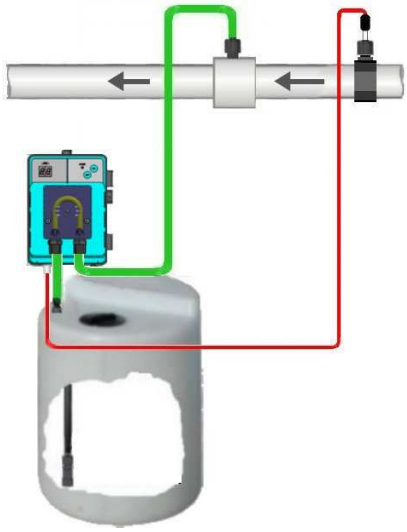
APPLICATIONS

- Residential Swimming Pools
- Water Treatment

PUMP VIEW (mm)



INSTALLATION EXAMPLE



LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	1,80
Multipack (9 Psz): 50 x 25 x 57	17

NOTES

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

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CE

PRODUCT SPECIFICATIONS

MP2Speedy-Rx

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***
- ***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)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x ORP Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc 468mV buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S25AA0103300	3	1,5	1	30	50	8	4x6 mm

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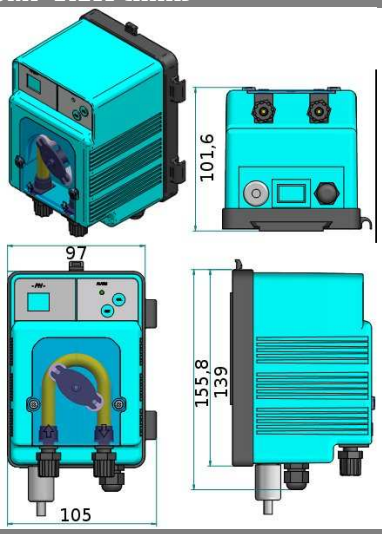
Technical Datasheet

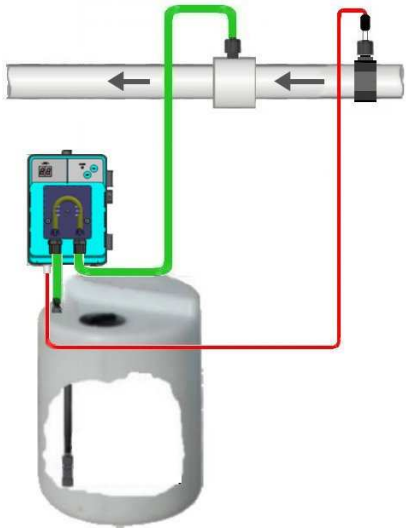
APPLICATIONS

- Residential Swimming Pools
- Water Treatment

PUMP VIEW (mm)



INSTALLATION EXAMPLE



LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	1,80
Multipack (9 Psz): 50 x 25 x 57	17

NOTES

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

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CE

PRODUCT SPECIFICATIONS

MP1S-pH

Digital Dosing pump with pH control on-board

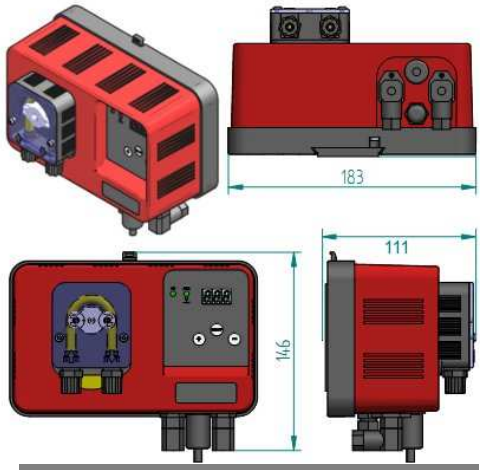
- **Compact Peristaltic digital pump with a built-in pH controller**
- **Adjustable Setpoint between 6.0pH e 8.0pH**
- **Realtime display visualisation of the pH**
- **Probe efficiency indication**
- **Standard dosing mode (pH-) ACID Dosing**
- **Automatioc calibration of just one pH point (pH7) using 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% 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:

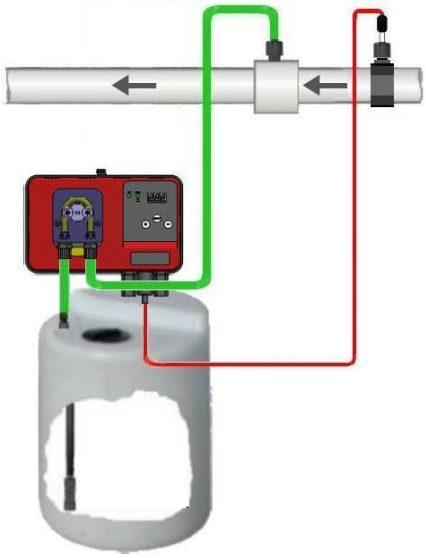
- ***On-Off Button***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

LIQUID ENDS

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

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

TECHNICAL INFORMATION

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	1,9
Multipack (6 Psz): 50 x 25 x 57	12

Rev 2.0

Technical Datasheet

APPLICATIONS

- **Residential Swimming Pools**
- **Water Treatment**

NOTES

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

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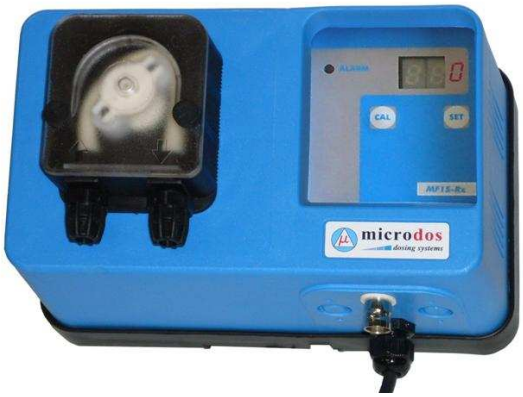
CE

PRODUCT SPECIFICATIONS



MP1S-Rx

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***
- ***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)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x ORP Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc 468mV buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S09AA0118300	1,8	1	1	30	30	8	4x6 mm

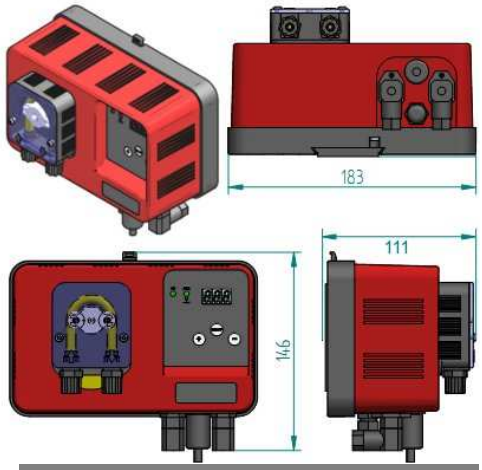
Rev 2.0

Technical Datasheet

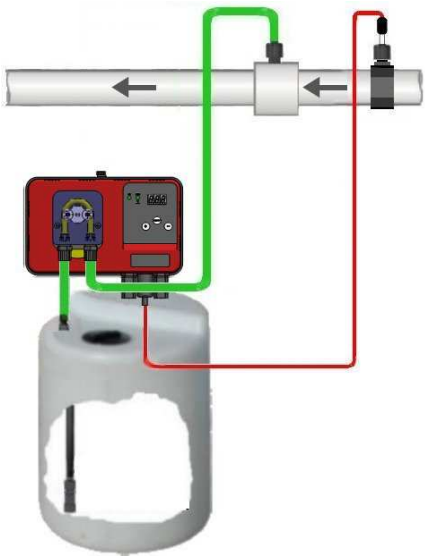
APPLICATIONS

- Residential Swimming Pools
- Water Treatment

PUMP VIEW (mm)



INSTALLATION EXAMPLE



LIQUID ENDS

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

PACKAGE (cm / Kg)

Pump: 15 x 23 x 28	1,90
Multipack (6 Psz): 50 x 25 x 57	12

NOTES

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CE

PRODUCT SPECIFICATIONS

MP1-pH

Digital Dosing pump with pH control on-board

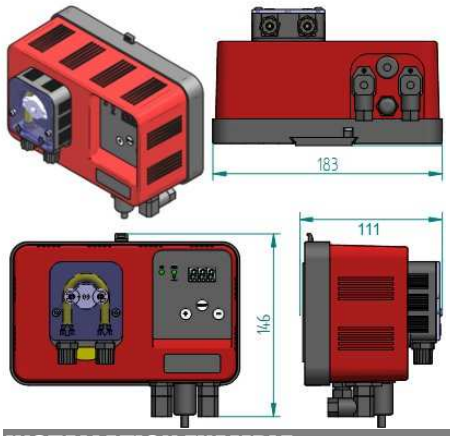
- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint (Defined by user), 0 - 14 pH reading range
- Proportionality greatness field presetted to a value of 1 pH
- Realtime display visualisation of the pH
- Manual dosing selection for pH+ or pH-
- Probe efficiency indication
- 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:

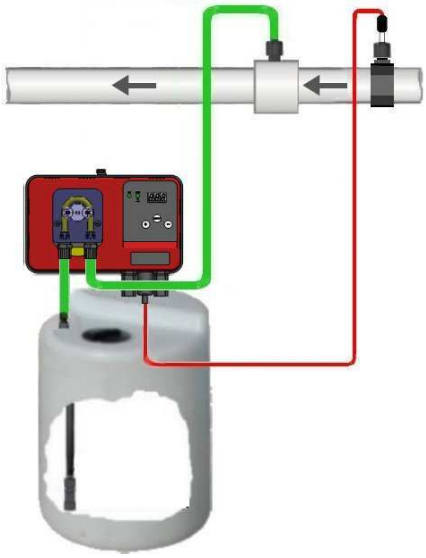
- ***Low Level Switch sensor***
- ***Filtration pump dosing consence***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S01AA0124300	2,4	1	1	40	40	3,5	4x6 mm

LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	1,9
Multipack (6 Psz): 50 x 25 x 57	12

Rev 2.0

Technical Datasheet

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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

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CE

PRODUCT SPECIFICATIONS

MP1-Rx

Digital Dosing pump with ORP control on-board

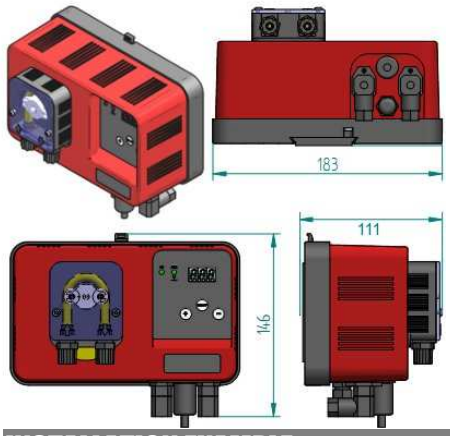
- Compact Peristaltic digital pump with a built-in ORP controller
- Pump proportionality with Pause/Work time, max 300 seconds
- Realtime display visualisation of the ORP value
- 0 - 999 mV reading range.
- Probe efficiency indication
- Proportionality greatness field presetted to a value of mV
- Semi-automatic 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:

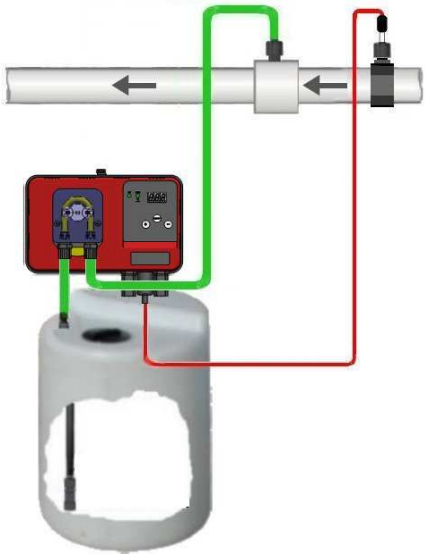
- ***Low Level Switch sensor***
- ***Filtration pump dosing consence***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x ORP Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc 468mV buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S02AA0124300	2,4	1	1	40	40	3,5	4x6 mm

LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	1,9
Multipack (6 Psz): 50 x 25 x 57	12

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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

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Technical Datasheet

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CE

PRODUCT SPECIFICATIONS

MP2-pH

Digital Dosing pump with pH control on-board

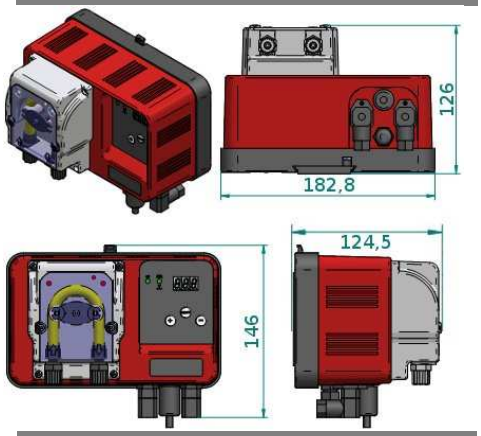
- Compact Peristaltic digital pump with a built-in pH controller
- Adjustable Setpoint (Defined by user), 0 - 14 pH reading range
- Proportionality greatness field presetted to a value of 1 pH
- Realtime display visualisation of the pH
- Manual dosing selection for pH+ or pH-
- Probe efficiency indication
- 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:

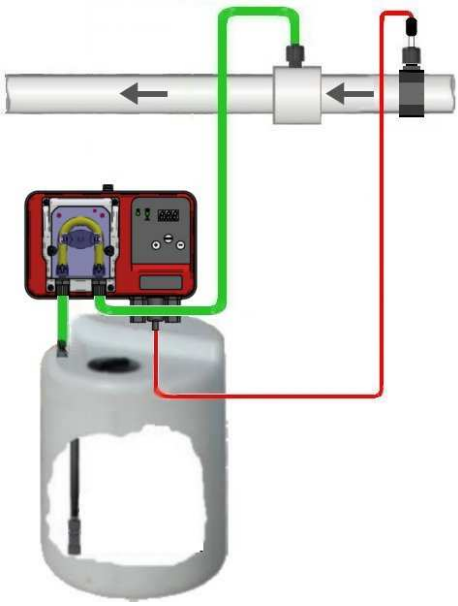
- ***Low Level Switch sensor***
- ***Filtration pump dosing consence***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S03AA0104300	4	2,42	1	31	75	3,5	4x6 mm

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	1,9
Multipack (6 Psz): 50 x 25 x 57	12

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Technical Datasheet

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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

microdos dosing systems

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CE

PRODUCT SPECIFICATIONS

MP2-Rx

Digital Dosing pump with ORP control on-board

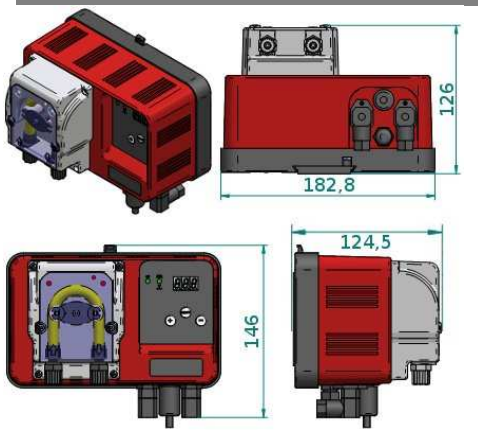
- Compact Peristaltic digital pump with a built-in ORP controller
- Pump proportionality with Pause/Work time, max 300 seconds
- Realtime display visualisation of the ORP value
- 0 - 999 mV reading range.
- Probe efficiency indication
- Proportionality greatness field presetted to a value of mV
- Semi-automatic 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:

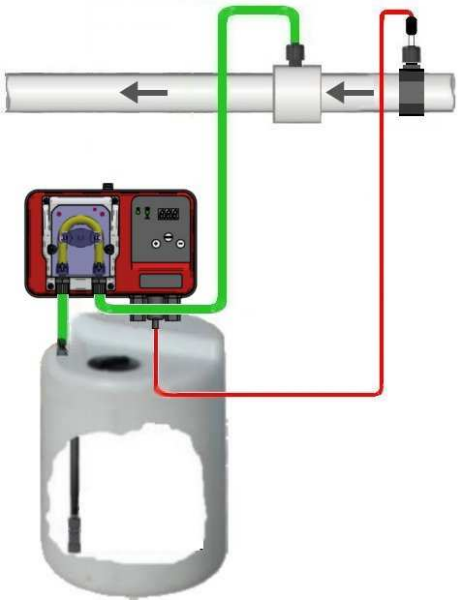
- ***Low Level Switch sensor***
- ***Filtration pump dosing consence***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve	PP Foot Filter

COMPLETE PACKAGE Extra KIT (Optional)

1 x ORP Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc 468mV buffer solution bottle.

TECHNICAL INFORMATION

Code	Lt/h	ML/RPM	Bar	RPM/Min	ML/Min	Watt	Tube
S04AA0104300	4	2,42	1	31	75	3,5	4x6 mm

LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	1,9
Multipack (6 Psz): 50 x 25 x 57	12

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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

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Technical Datasheet

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CE

PRODUCT SPECIFICATIONS

ME2-pH

Digital Dosing pump with pH control on-board

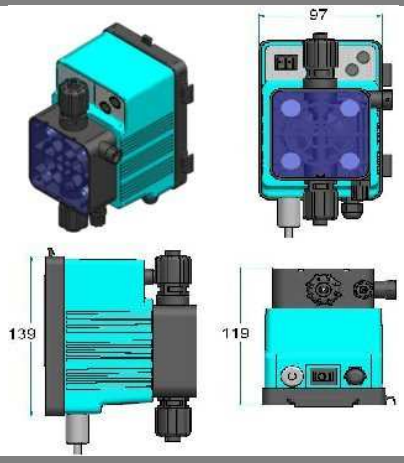
- Compact Solenoid proportional digital pump with a built-in pH controller
- Adjustable Setpoint between 6.0pH e 8.0pH
- Realtime display visualisation of the pH
- Probe efficiency indication
- Standard dosing mode (pH-)
- Definition of the proportionality greatness range
- Automatioc calibration of 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:

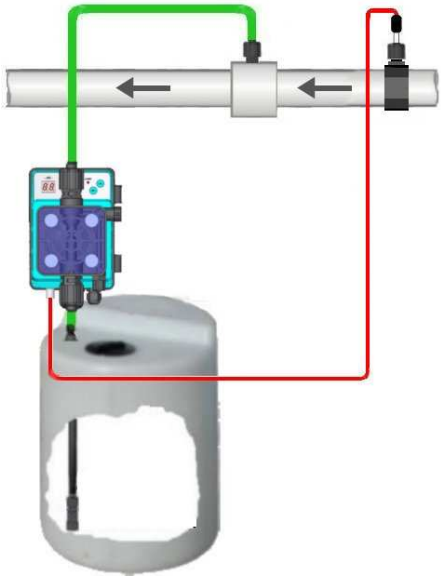
- ***Self Degassing Pump Head***
- ***PVDF Pump Head***
- ***pH+ Dosing mode***
- ***COMPLETE PACKAGE:***

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT (Standard)

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

COMPLETE PACKAGE Extra KIT (Optional)

1 x pH Electrode (Short type)	1 x ½" Pipeline Electrode Holder, made of PP 30% talk reinforced	2 x Saddle Clamp for Φ50 mm tubes, with ½" connection for electrode holder.	1 x 50cc pH 7 buffer solution bottle.

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
S22CA0202300	2	0,25	2	120	1,3	50	4x6 mm
S22CA0205300	5	0,64	2	120	1,3	50	4x6 mm

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	3,00
Multipack (9 Psz): 50 x 25 x 57	27

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Technical Datasheet

APPLICATIONS

- Residential Swimming Pools
- Water Treatment

NOTES

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CE

PRODUCT SPECIFICATIONS

ME1S-pH

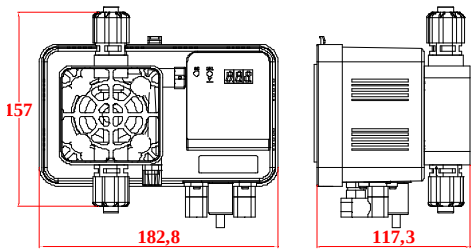
Digital Dosing pump with pH control on-board

- 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, 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

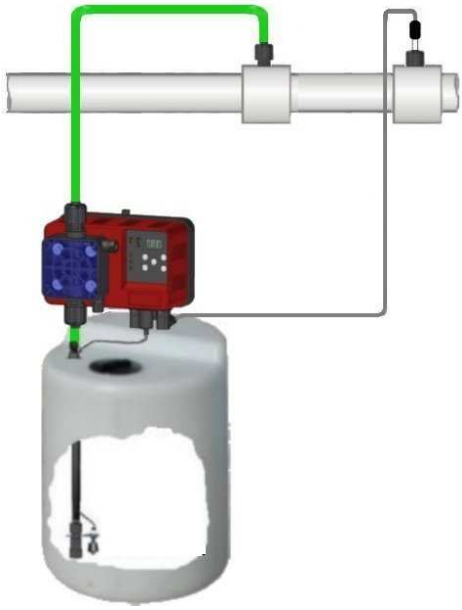
Optional:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	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

LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Swimming pools
- Water Treatment
- Well Drinking Water pH Correction

NOTES

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

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Technical Datasheet

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CE

PRODUCT SPECIFICATIONS

ME1S-RX

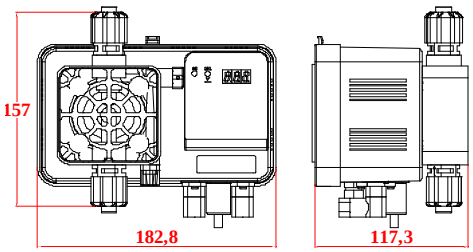
Digital Dosing pump with ORP control on-board

- 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

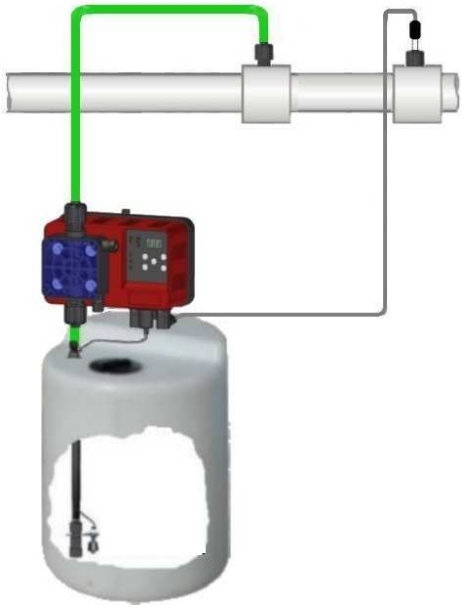
Optional:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Swimming pools
- Water Treatment

NOTES

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

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Technical Datasheet

PRODUCT SPECIFICATIONS

ME1-pH

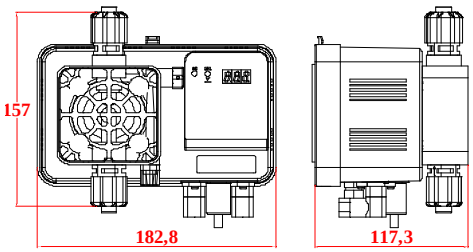
Digital Dosing pump with pH control on-board

- 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

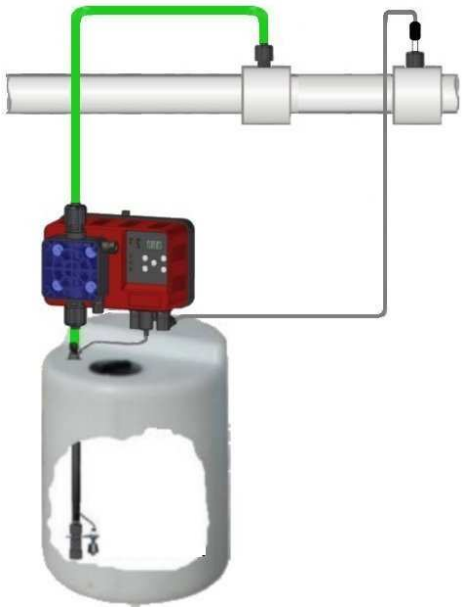
Optional:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

TECHNICAL INFORMATION

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

LIQUID ENDS

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

PACKAGE (cm / Kg)

	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Swimming pools
- Water Treatment
- Well Drinking Water pH Correction

NOTES

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

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Technical Datasheet

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CE

PRODUCT SPECIFICATIONS

ME1-RX

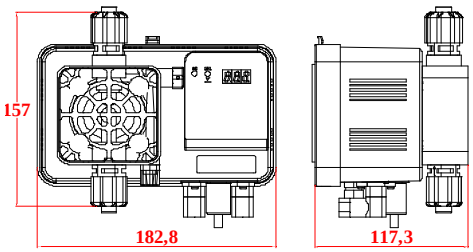
Digital Dosing pump with ORP control on-board

- 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

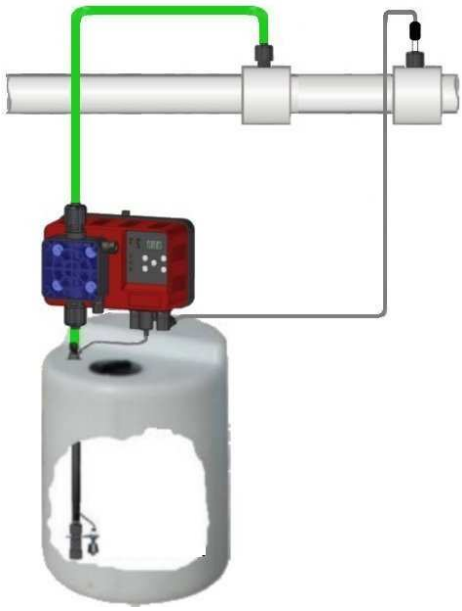
Optional:

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

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT

Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

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

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	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

PACKAGE (cm / Kg)

A L B C	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Swimming pools
- Water Treatment

NOTES

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

rev 2.0

Technical Datasheet

PRODUCT SPECIFICATIONS

MSB & MSP

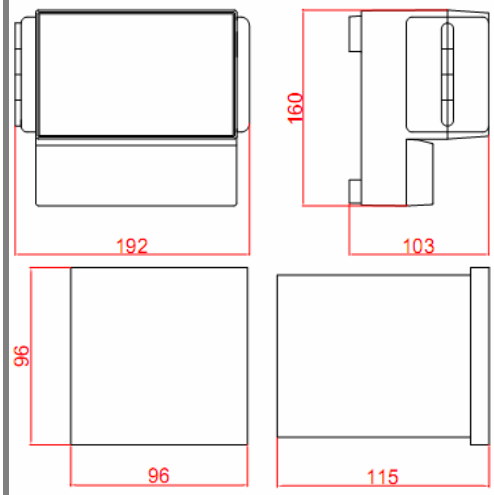
PROFESSIONAL pH/Rx CONTROLLER SERIES

- 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*

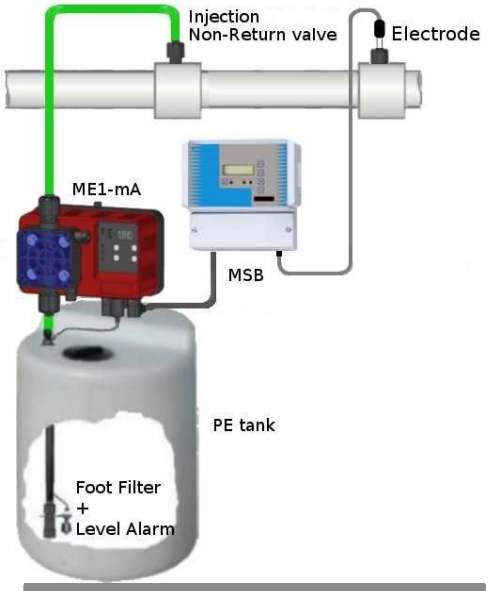
VIEW (mm)



TECHNICAL INFORMATION

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 Ω. 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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

	KG
MSB: 19,5 x 17 x 15	1,00
MSP: 10 x 10 x 15	0,80

rev 2.1

Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

PRODUCT SPECIFICATIONS

MSB & MSP

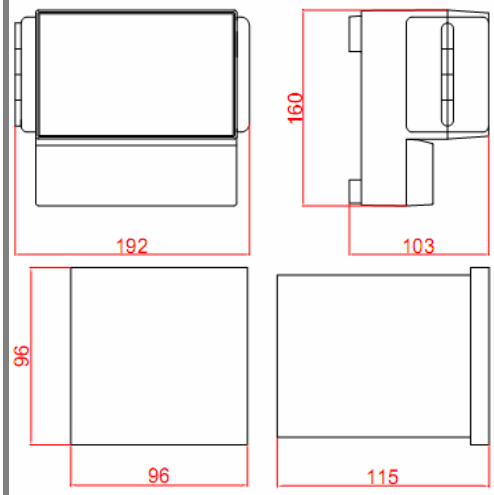
PROFESSIONAL CLHLORINE CONTROLLER SERIES

- 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*

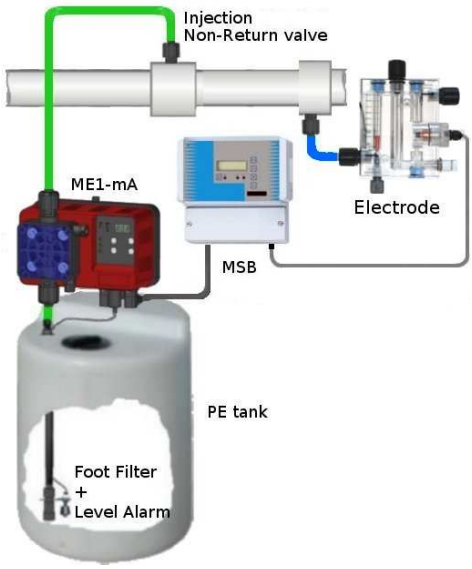
VIEW (mm)



TECHNICAL INFORMATION

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 ² – 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 CLE01D (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 Ω. 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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

	KG
MSB: 19,5 x 17 x 15	1,00
MSP: 10 x 10 x 15	0,80

rev 2.1

Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

microdos dosing systems

Certitalia
UNI EN ISO 9001:2008
CERTIFIED-Nr.B01107

CE

PRODUCT SPECIFICATIONS

MSB & MSP

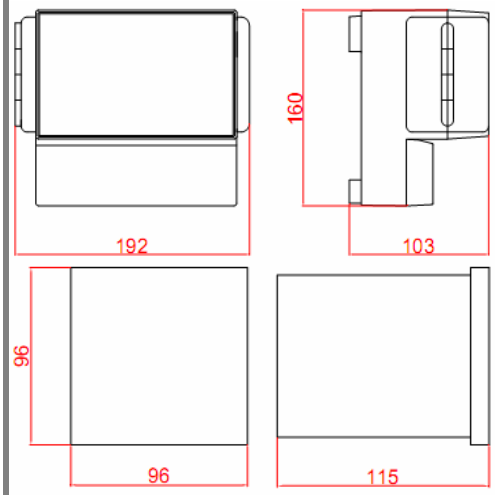
PROFESSIONAL CONDUCTIVITY CONTROLLER SERIES

- 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*

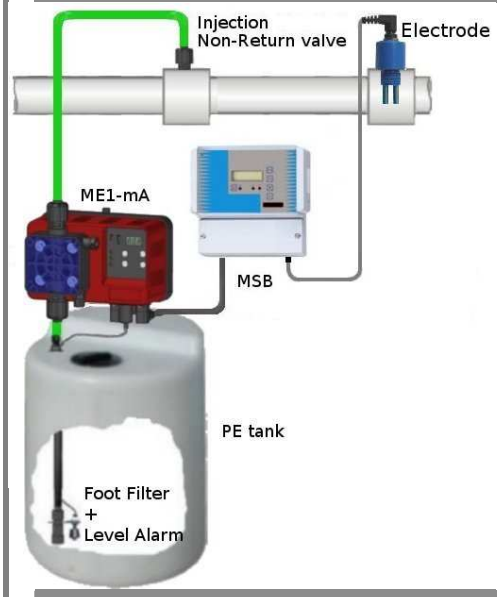
VIEW (mm)



TECHNICAL INFORMATION

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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

MSB: 19,5 x 17 x 15	1,00
MSP: 10 x 10 x 15	0,80

rev 2.1

Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

PRODUCT SPECIFICATIONS

MSB & MSP

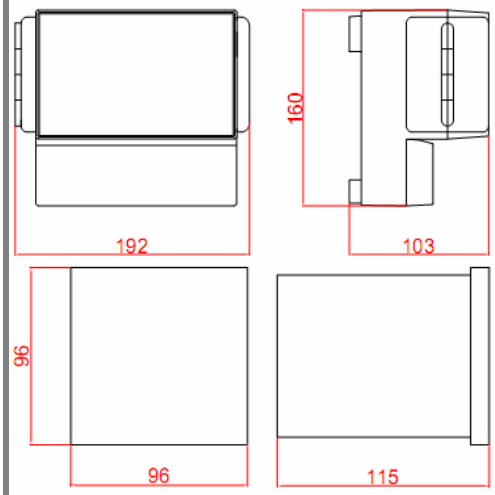
PROFESSIONAL OXYGEN CONTROLLER SERIES

- 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*

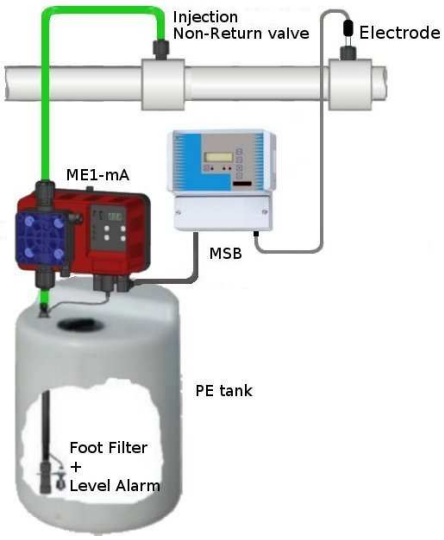
VIEW (mm)



TECHNICAL INFORMATION

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 O^2
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.
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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

MSB: 19,5 x 17 x 15	1,00
MSP: 10 x 10 x 15	0,80

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

rev 2.1

Technical Datasheet

PRODUCT SPECIFICATIONS

MSB & MSP

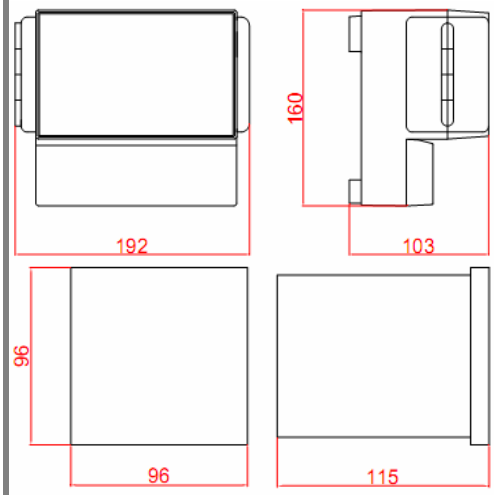
PROFESSIONAL TURBIDITY CONTROLLER SERIES

- 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*

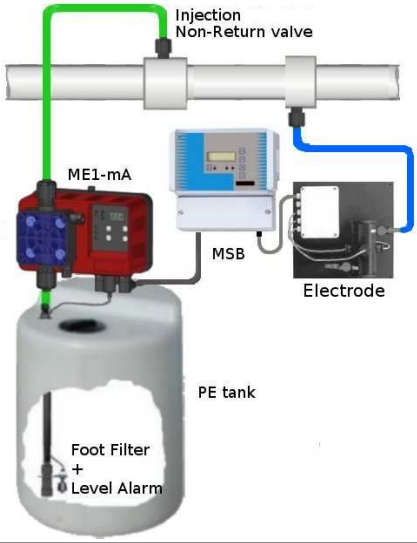
VIEW (mm)



TECHNICAL INFORMATION

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.
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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

MSB: 19,5 x 17 x 15	1,00
MSP: 10 x 10 x 15	0,80

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

rev 2.1
Technical Datasheet

PRODUCT SPECIFICATIONS

MS-PRCU

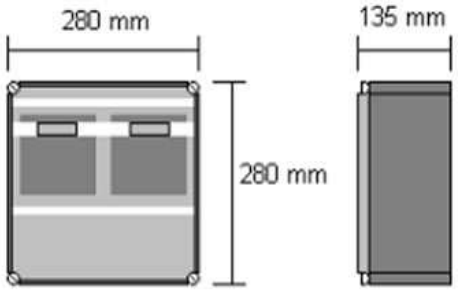
PROFESSIONAL pH and ORP DOUBLE CONTROLLER SERIES

- Two-sections measuring and control unit for the pH and the Redox .
- Wall mounting, IP67 protection
- Double LCD 3 ½ 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***

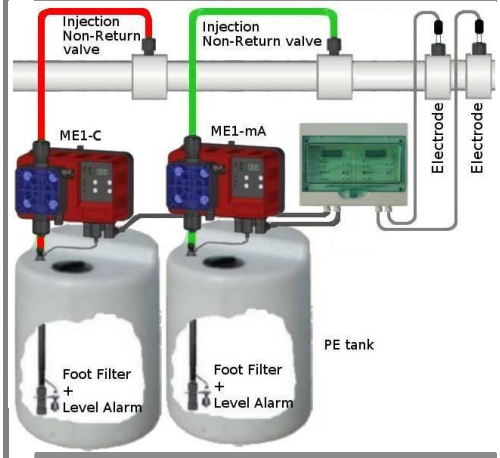
VIEW (mm)



TECHNICAL INFORMATION

Box	Made of self extinguishing Plastic
Holes	254 * 254 mm
Holes and brackets	294 * 254 (horizontal brackets) 254 * 294 (vertical brackets)
Protection degree	IP 67
Display	3 ½ 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

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

Controller: 30 x 30 x 15

KG

3,5

Note:
The information regarding repeatibility and accuracy are related to the electronical side

rev 2.1

Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

PRODUCT SPECIFICATIONS

MS-MP

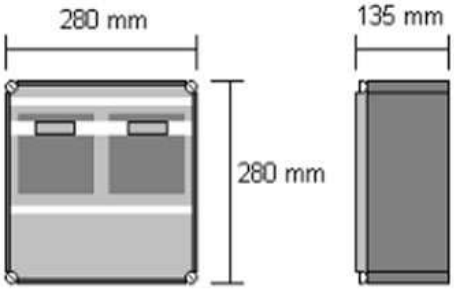
PROFESSIONAL MULTIPARAMETRIC CONTROLLER SERIES

- 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 on-demand on different connectors.

Optional:

- ***Remote Control***

VIEW (mm)

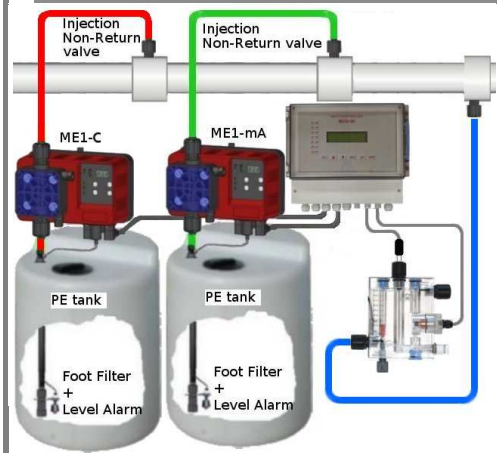


TECHNICAL INFORMATION

BOX	Made of ABS
Holes and brackets	445 x 440 mm (horizontal brackets) 360 x 520 mm (vertical brackets)
Protection degree	IP66
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
Accuracy and relyability	PH: Accuracy better than ± 0.02 pH ,repeatibility better than ± 0.01 pH
	RX: Accuracy better than ± 0.02 mV , repeatibility better than ± 0.01 mV
	Temperatura: Accuracy better than ± 0.3 °C, repeatibility better than ± 0.2 °C.
	Cl2: standard scale 0...2.00 ppM Cl2 . Input from galvanometric chlorine cell CLE01D.
	Accuracy better than ± 0.02 ppM Cl2 , repeatibility better than ± 0.01 ppM Cl2
	Other input scales to be specified with the order (eg. 0...5ppM 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 information regarding repeatibility and accuracy are related to the electronical side

FUNCTIONING EXAMPLE



PACKAGE (cm / Kg)

	KG
Controller: 30 x 30 x 15	3,5

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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

rev 2.1
Technical Datasheet

microdos dosing systems

Certitalia
UNI EN ISO 9001:2000
CERTIFIED-Nr.B01107

CE

PRODUCT SPECIFICATIONS

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 [timed alarm] 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

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	Mounting Screws
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

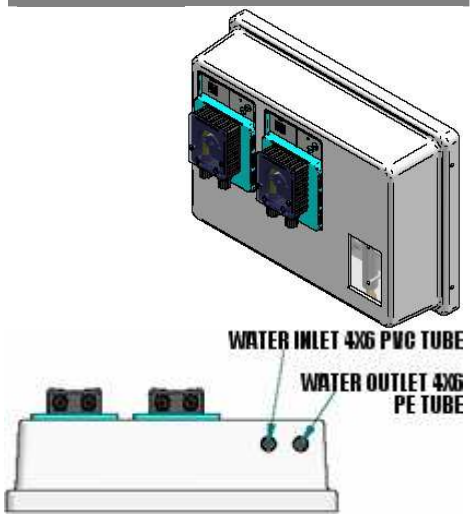
Type	Lt/h	ml/min	Bar	RPM	Watt	VAC	Inner Tube	Tube Diam.
pH	1	16,6	1	18	3,5	230	San	4x6
Redox	1,8	29,8	1	30	3,5	230	San	4x6

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

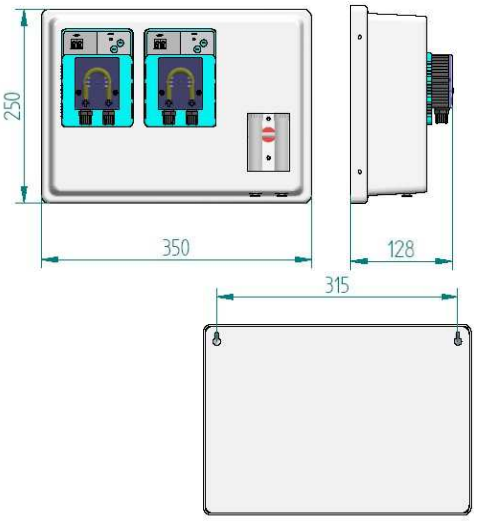
APPLICATIONS

- Residential swimming pools

VIEW



SIZE (mm)



LIQUID ENDS

Component	Standard	On-Request
Tube	Santoprene 4 x 7	
Fettings	PP	
Foot filter	PP-Viton (one way)	
Injection valve	Viton	
Upon Request:		
Injection valve	Hastelloy spring With Pyrex 6mm Ball Valve	

PACKAGE (cm / Kg)

A L B C	KG
48 x 32 x 15	3,5

NOTES

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

rev 1.1

Technical DataSheet

PRODUCT SPECIFICATIONS

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

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring			

TECHNICAL INFORMATION

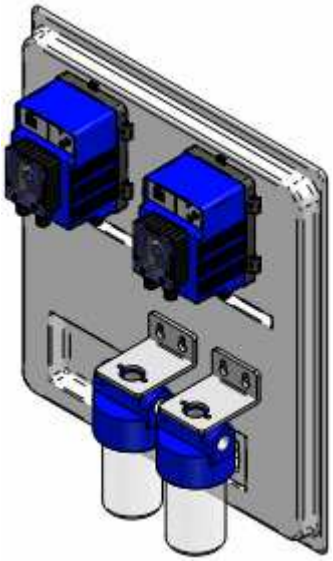
Type	Lt/h	ml/min	Bar	RPM	Watt	VAC	Inner Tube	Tube Diam.
pH	1	16,6	1	18	3,5	230	San	4x6
Redox	1,8	29,8	1	30	3,5	230	San	4x6

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

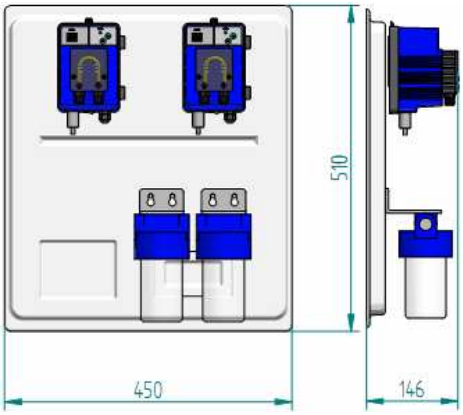
APPLICATIONS

- Residential Swimming Pools

VIEW



SIZE (mm)



LIQUID ENDS

Component	Standard	On-Request
Tube	Santoprene 4 x 7	
Fettings	PP	
Foot filter	PP-Viton (one way)	
Injection valve	Viton	
Upon Request:		
Injection valve	Hastelloy spring With Pyrex 6mm Ball Valve	

PACKAGE (cm / Kg)

470 x 530 x 175	9 KG

NOTES

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

rev 1.0 Tecnical DataSheet

PRODUCT SPECIFICATIONS

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

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/min pH-Rx	Bar pH-Rx	Imp /min	Watt	VAC	Stroke	Tube Diam.
1,5 - 5	1,5 - 5	0,21 – 0,69	12 - 5	120	50	230	1,1 - 1,3	4x6
5 - 7	5 - 7	0,69 – 0,97	5 - 2	120	50	230	1,3 - 1,3	4x6

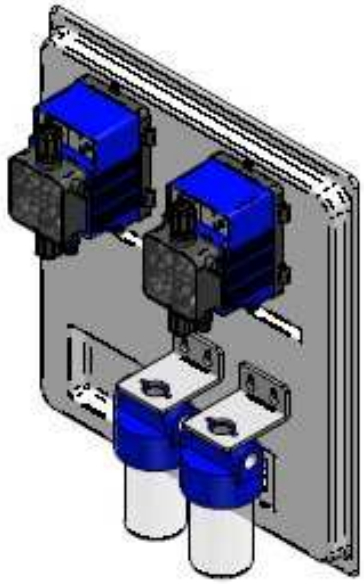
Power : 230VAC

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

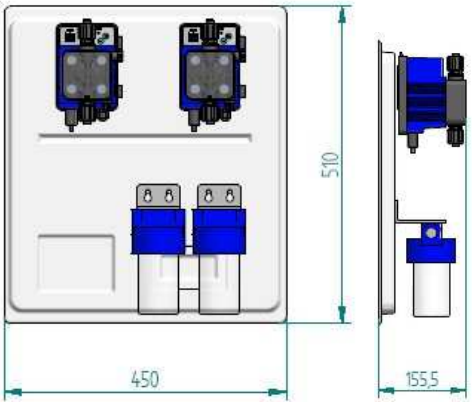
APPLICATIONS

- Swimming pools

VIEW



SIZE (mm)



LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PTFE
Diaphragm	PTFE	
Double ball valve	6mm Pyrex	
Injection fettings	PP	
Ball – O Ring	Pyrex - Viton	
Upon Request:		
Injection Valves	Hastelloy spring Viton/Dutral Lip-Valves	

PACKAGE (cm / Kg)

470 x 530 x 175	9 KG

NOTES

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

rev 1.0

Tecnical DataSheet

PRODUCT SPECIFICATIONS

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 Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring			

TECHNICAL INFORMATION

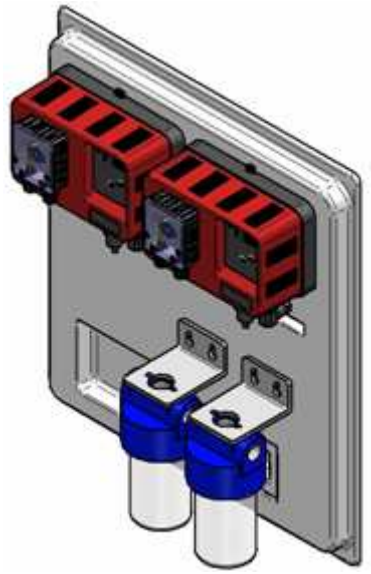
Type	Lt/h	ml/min	Bar	RPM	Watt	VAC	Inner Tube	Tube Diam.
pH	1	16,6	1	18	3,5	230	San	4x6
Redox	1,8	29,8	1	30	3,5	230	San	4x6

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

APPLICATIONS

- Residential Swimming Pools

VIEW



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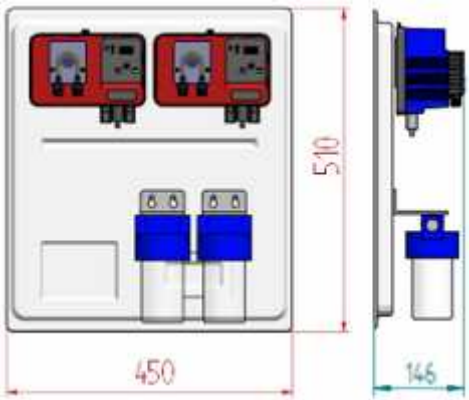


LIQUID ENDS

Component	Standard	On-Request
Tube	Santoprene 4 x 7	
Fettings	PP	
Foot filter	PP-Viton (one way)	
Injection valve	Viton	
Upon Request:		
Injection valve	Hastelloy spring With Pyrex 6mm Ball Valve	

PACKAGE (cm / Kg)

470 x 530 x 175	9 KG

NOTES

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

rev 1.0
Tecnical DataSheet

PRODUCT SPECIFICATIONS

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 Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/min pH-Rx	Bar pH-Rx	Imp /min	Watt	VAC	Stroke	Tube Diam.
1,5 - 5	1,5 - 5	0,21 – 0,69	12 - 5	120	50	230	1,1 - 1,3	4x6
5 - 7	5 - 7	0,69 – 0,97	5 - 2	120	50	230	1,3 - 1,3	4x6

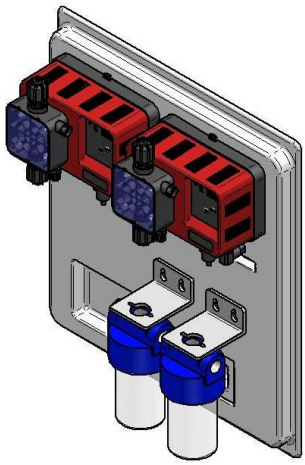
Power : 230VAC

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

APPLICATIONS

- Swimming pools

VIEW



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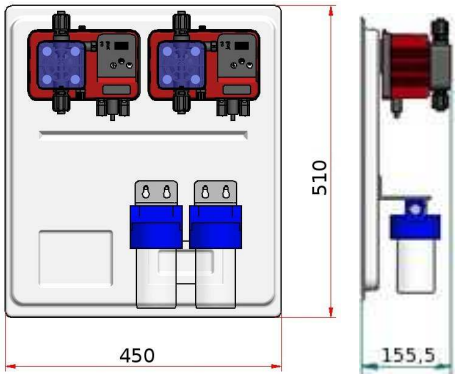

LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PTFE
Diaphragm	PTFE	
Double ball valve	6mm Pyrex	
Injection fettings	PP	
Ball – O Ring	Pyrex - Viton	
Upon Request:		
Injection Valves	Hastelloy spring Viton/Dutral Lip-Valves	

PACKAGE (cm / Kg)

470 x 530 x 175	9 KG

NOTES

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

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PRODUCT SPECIFICATIONS

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

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring			

TECHNICAL INFORMATION

Type	Lt/h	ml/min	Bar	RPM	Watt	VAC	Inner Tube	Tube Diam.
pH	2,4	40	1	40	3,5	230	San	4x6
Redox	3,5	58	1	60	3,5	230	San	4x6

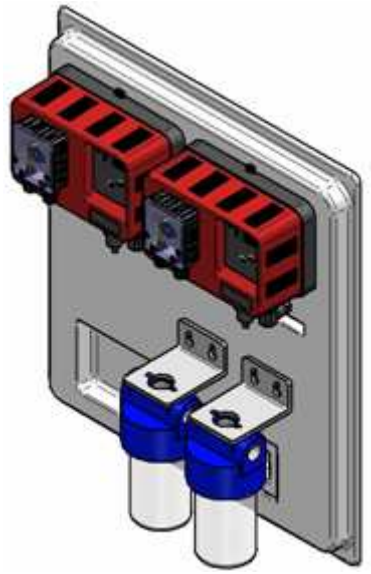
Optional:

- 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

VIEW



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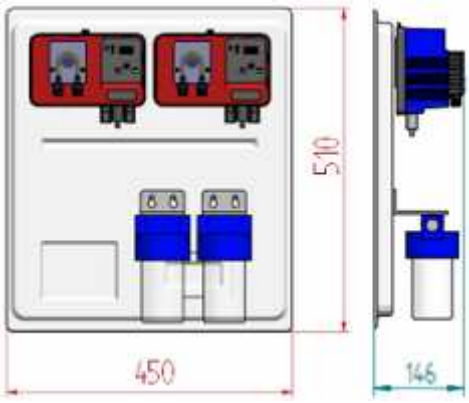

LIQUID ENDS

Component	Standard	On-Request
Tube	Santoprene 4 x 7	
Fettings	PP	
Foot filter	PP-Viton (one way)	
Injection valve	Viton	
Upon Request:		
Injection valve	Hastelloy spring With Pyrex 6mm Ball Valve	

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

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Tecnical DataSheet

PRODUCT SPECIFICATIONS

POOL MIX

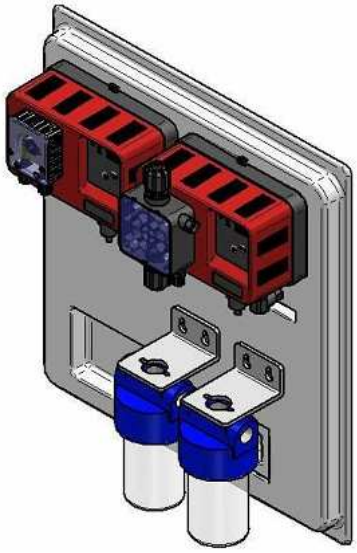
Pool Control and Dosing Panel

- ABS Thermo-formed elegant panel
- MP1 -pH Peristaltic dosing pump and ME1-Rx Electromagnetic pump, 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

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*

VIEW



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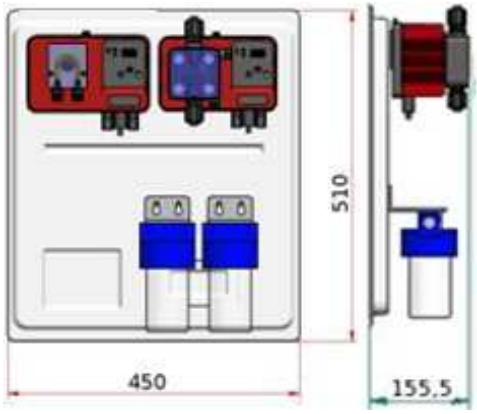


INSTALLATION KIT

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	1,.5 mt Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h	ml	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/min	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/min	100	230	PP. Head	4x6

LIQUID ENDS

COMPONENT	MP1-pH	ME1-Rx
Pump head	--	PP
Diaphragm	--	PTFE
Double ball valve	--	Pyrex
Injection fittings	PP	PP
O rings	Viton	Viton
Footvalve	PP-Viton	PP-Viton

PACKAGE (cm / Kg)

A B C	KG
470 x 530 x 175	9 KG

APPLICATIONS

- Residential Swimming Pools

NOTES

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

rev 1.0

Tecnical DataSheet

PRODUCT SPECIFICATIONS

POOL BLUE

Pool Control and Dosing Panel

- ABS Thermo-formed elegant panel
- 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 Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	Imp /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

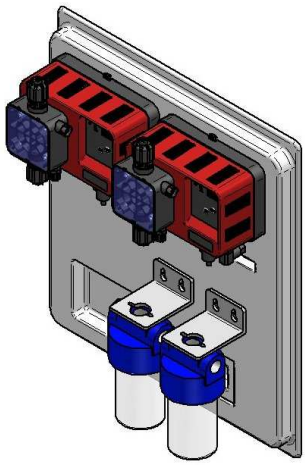
Power : 230VAC

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

APPLICATIONS

- Professional Swimming pools

VIEW



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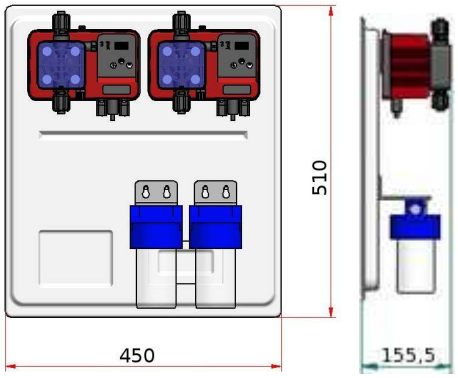


LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PTFE
Diaphragm	PTFE	
Double ball valve	6mm Pyrex	
Injection fettings	PP	
Ball – O Ring	Pyrex - Viton	
Upon Request:		
Injection Valves	Hastelloy spring Viton/Dutral Lip-Valves	

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

rev 1.0 Tecnical DataSheet

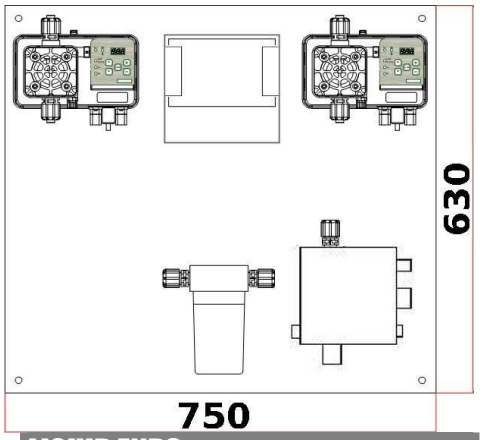
PRODUCT SPECIFICATIONS

POOL SILVER

Pool Control and Dosing Panel

- 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 (optional on ME1-pH pump).
- 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)

SIZE (mm)



INSTALLATION KIT

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	Imp /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

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

LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PTFE
Diaphragm	PTFE	
Double ball valve	6mm Pyrex	
Injection fettings	PP	
Ball – O Ring	Pyrex - Viton	
Upon Request:		
Injection Valves	Hastelloy spring Viton/Dutral Lip-Valves	

PACKAGE (cm / Kg)

H L W	KG
760 x 660 x 260	13 KG

APPLICATIONS

- Professional Swimming pools

NOTES

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

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Tecnical DataSheet

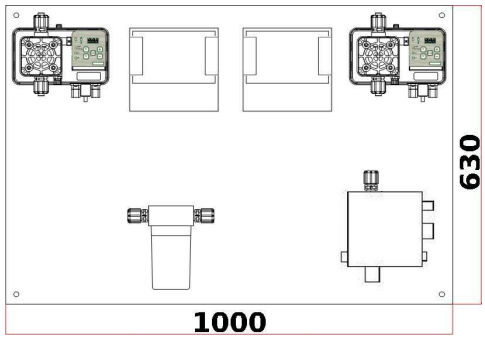
PRODUCT SPECIFICATIONS

POOL GOLD

Pool Control and Dosing Panel

- PVC 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)

SIZE (mm)



INSTALLATION KIT

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

LIQUID ENDS

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	
O Ring	Viton	

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	Imp /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

PACKAGE (cm / Kg)

H L W	KG
1050 x 660 x 260	15 KG

Optional:
- Other Flow-Rates on request
- Graphical personalization, barcode area with logo and address, manuals.
- Graphical personalization of the panel
- PVDF Pump heads

APPLICATIONS

- Professional Swimming pools

NOTES

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

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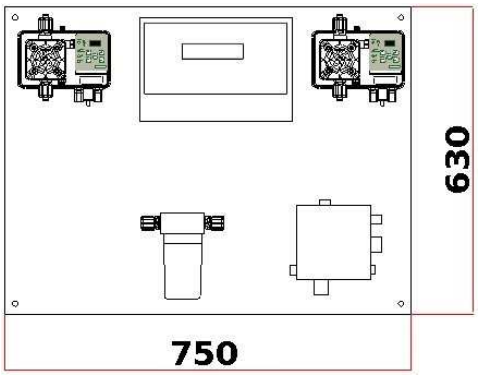
PRODUCT SPECIFICATIONS

POOL PLATINUM

Pool Control and Dosing Panel

- 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)

SIZE (mm)



INSTALLATION KIT

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h pH-Rx	ml/imp pH-Rx	Bar pH-Rx	Imp /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

LIQUID ENDS

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	
O Rings	Viton	

PACKAGE (cm / Kg)

760 x 660 x 260	15 KG

Optional:
- 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

NOTES

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

rev 1.0

Tecnical DataSheet

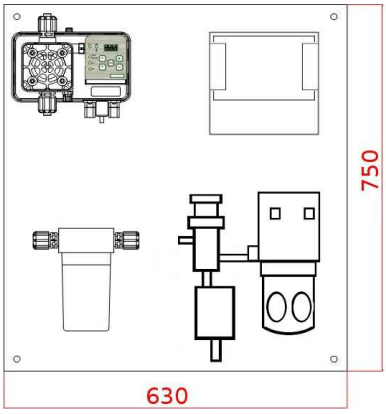
PRODUCT SPECIFICATIONS

DRINK PANEL

Drinking Water Control and Dosing Panel

- 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)

SIZE (mm)



INSTALLATION KIT

Standard	2 x PP Injection VITON lip Valve	2 x PE Injection Tube 2mt	2 x PVC Suction Tube	2 x PP Foot Filter	2 x PVC Bleed Tube
Optional	2 x PP inj. Pyrex BALL valves with hastelloy spring				

TECHNICAL INFORMATION

Type	Lt/h	ml/imp	Bar	Imp/min	Watt	VAC	Stroke	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

LIQUID ENDS

Component	Standard	Optional
Pump Head	PP 30% Talc re-inforced	PVC / PTFE
Diaphragm	PTFE	
Double ball valve	6mm Pyrex	
Injection fettings	PP	
Ball – O Ring	Pyrex - Viton	
Upon Request:		
Injection Valves	Hastelloy spring Viton/Dutral Lip-Valves	

PACKAGE (cm / Kg)

750 x 660 x 260	13 KG

APPLICATIONS

- Drinking Water Chlorination

NOTES

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

rev 1.0

Tecnical DataSheet

PRODUCT SPECIFICATIONS

GP - GPA

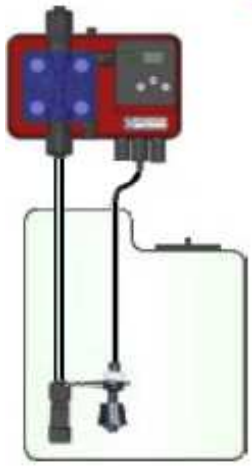
Complete Dosing Systems

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.*

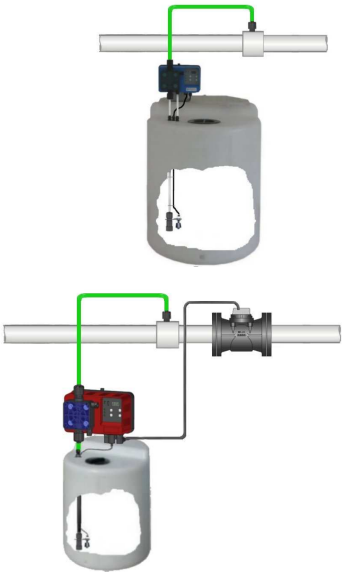
TECHNICAL INFORMATION

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



AGITATOR TO USE IN THE GPA SYSTEM

MOD	CM	RPM* (*Electric Models)	S-Mix	T-Mix	M-Mix
			CODE	CODE	CODE
PVC SHAFT	**60**	**70**	**11.044.000**	**11.044.008**	**11.044.600**
	60	1400	11.044.300	11.044.304	
	70	**70**	**11.044.001**	**11.044.009**	**11.044.601**
	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
AISI SHAFT	**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
COLD WATER	**15**	**1/2"**	**11.041.000**
	20	3/4"	11.041.001
	25	**1"**	**11.041.002**
	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**
HOT WATER	15	1/2"	11.041.050
	20	**3/4"**	**11.041.051**
	25	1"	11.041.052
	30	**1"1/4**	**11.041.053**
	40	1"1/2	11.041.054
	50	**2"**	**11.041.055**
	50	2" FLANG	11.041.056

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

rev 2.0

MICRODOS TechnicalDatasheet

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**