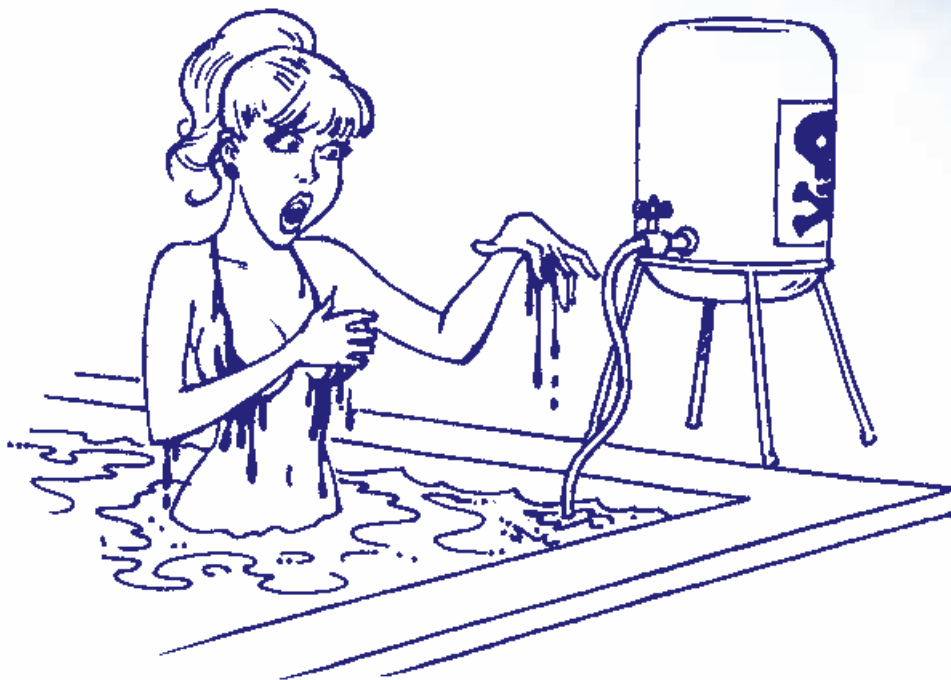# MEASURING & CONTROL UNITS, DOSING PUMPS

MEASURING & CONTROL UNITS & DOSING
FOR PUBLIC SWIMMING POOLS

MaR Infinity OPTIDOS PLATINUM pH+ Rx + Cl + T

Panel for the control and adjustment of pH and chlorine with a potentiostatic probe
composed of a multiparameter instrument pH/Rx/Cl/T and 2 proportional
to mA signal pumps

**Rabat
Group**

300504   **OPTIDOS PLATINUM**   A

Flow: 8 l/h,   Pressure: 6 bar

Other Flow Rates on request !

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)
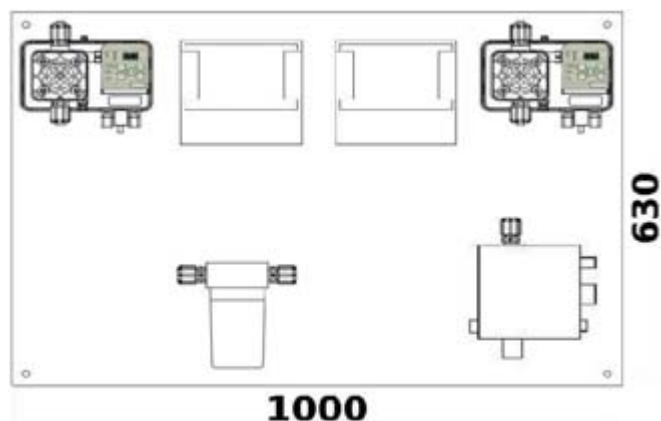
Standard accesorry Kit:
- PP Injecton Viton lip Valve - 2x
- PE Injection Tube 2 mt - 2x
- PVC Suction Tube - 2x
- PP Foot Filter - 2x
- PVC Bleed Tube - 2x

Optional:
- PP inj. Pyrex Ball valves with hastelloy spring - 2x

Package: 1050 x 660 x 260

Weight: 15 kg

MaR Infinity OPTIDOS PLATINUM CONNECT pH, Rx, Cl + T

Panel for the control and adjustment of pH and chlorine with a potentiostatic probe
composed of a multiparameter instrument pH/Rx/Cl/T and 2 proportional
to mA signal pumps

For connection: 1 modem Internet/Intranet, 1 PC software

Composition: ME 1 - pH pump, ME1 - Rx pump, pH probe, Redox probe, both type probe holder,
buffer solution, cables in IP 65 box, control unit, amperometric cl - probe

		Rabat Group
300552	**OPTIDOS PLATINUM CONNECT** Flow: 8 l/h, Pressure: 6 bar	A
300553	**MODEM Internet/Intranet** Control of all parameters: pH, Rx, chlorine, temperature Parametr visualization instantaneous Value memory with graphic	A
300554	**Software for PC** PC software compatible with windows and XP	A

CHECK THE QUALITY OF YOUR WATER FROM ANYWHERE

Swimming pool with overflow gratings
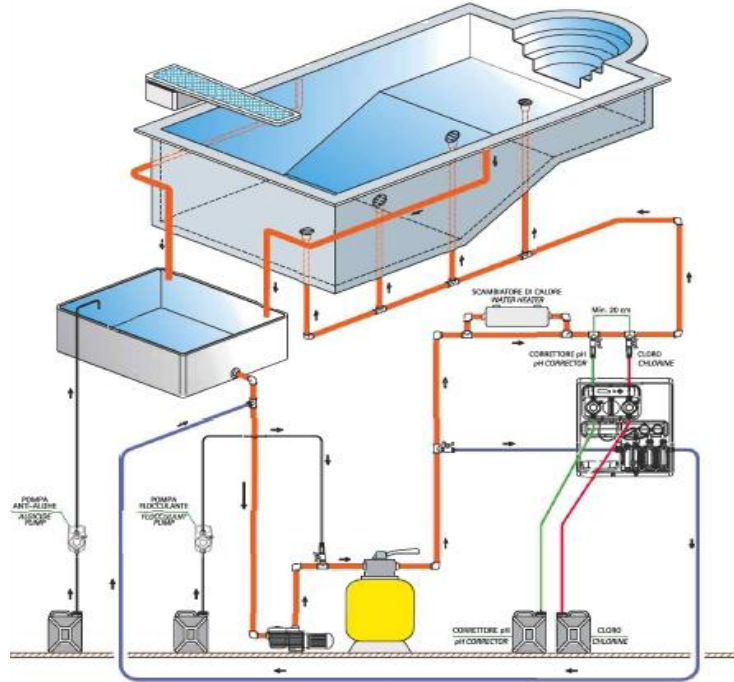
Swimming pool with skimmer

INFINITY YOUR PARTNER FOR FUTURE
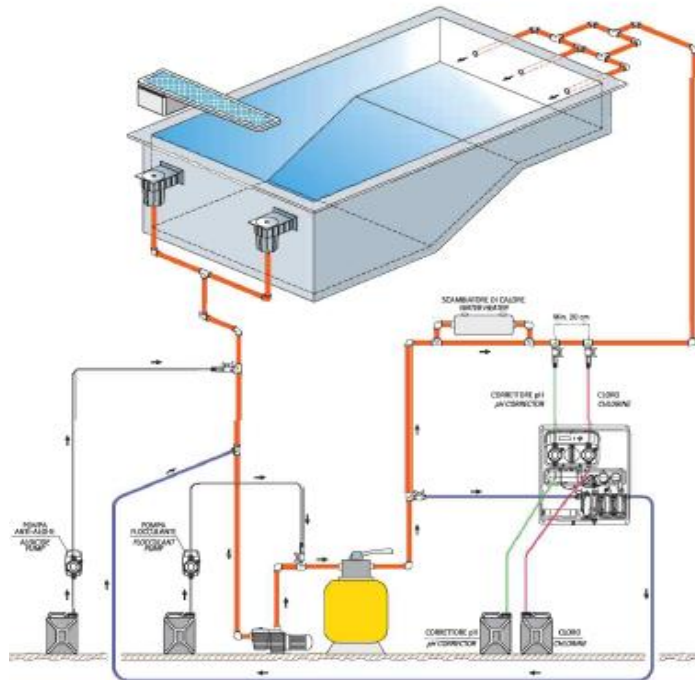
COMPLETE MEASURING, REGULATION AND DOSING FOR   PRIVAT   POOLS

MaR Infinity POOL SILVER pH + Rx

Characteristics

- Pool water monitoring system, supplied with a proportional
- Solenoid (Diaphragm) dosing Pump with an on-board instrument for pH regulation, a proportional to mA dosing pump, control instrument for chlorine, assembled and cabled on a PVC panel, power supplyed at 230 VAC.

Composition

- ME1 - pH pump
- ME1 - mA pump
- MSB-Cl chlorine instrument
- pH probe
- Redox probe
- Bath type probe holder
- Buffer solution
- Cables in IP 65 box

- **CHECK THE QUALITY OF YOUR WATER FROM ANYWHERE**

			Rabat Group
300555	**OPTIDOS POOL SILVER CONNECT**		A

CODE	TYPE	l/h	bar	Pulse/min.	ml/Pulse	LENGHT	WATT	TUBE Ø	PANEL DIMENSION	WEIGHT
300555	P. SILVER C. pH+Rx	5	8	180	0,46	1,1	100	4x6 mm	800x600 mm	12 kg

Other Flow Rates on request !

STANDARD ACCESSORY KIT:

- injection valve, PP, VITON lip - 2 pcs
- injection tube, PE - 2x 2 m
- suction tube, PVC - 2 pcs
- bleed tube, PVC - 2 pcs
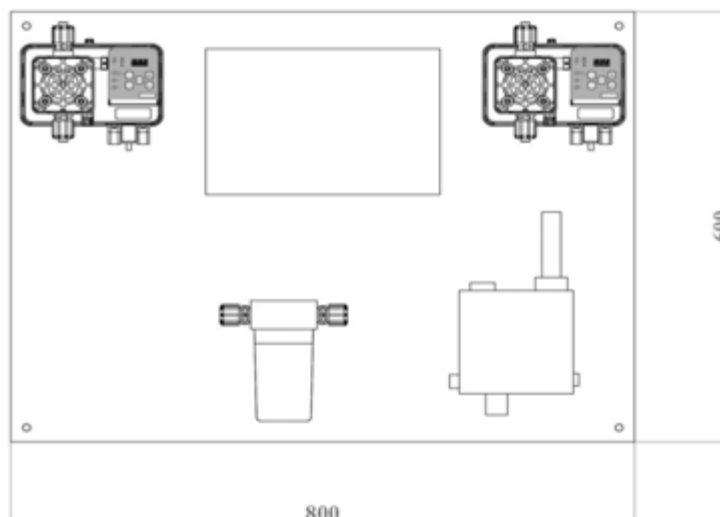- foot filter, PP - 2 pcs

LIQUID ENDS:	**Standard**	**Optional**
Pump head:	PP	PVC/PTFE
Diaphragm:	PTFE	
Double ball valv.:	Pyrex	AISI316/PTFE
Injection fittings:	PP	
O-rings:	Viton	Dutral
LIP valve:	Viton	
Spring valve:	Hastell. / Pyrox	AISI316

MaR Infinity POOL STEEL CONNECT pH + Rx

Characteristics

Pool water monitoring system,
supplied with two constant
analogic Solenoid (Diaphragm)
Pumps, and a MS-PRCU pH/Redox
instrument, assembled and cabled
on a PVC panel,power supply at
230 VAC.

Composition

- 2 ME1 - CA pumps
- MS-PRCU pH/Rx instrument
- pH probe
- Redox probe
- Bath type probe holder
- Buffer solution
- Cables in IP 65 box

		Rabat Group
300558	**OPTIDOS POOL STEEL CONNECT**	A
300559	**MODEM GSM/GPRS - Internet/Intranet** Control of Ph and Rx Parametr visualization instantaneous Value memory with graphic	A
300560	**Software for PC** PC software compatible with Windows XP and later	A

CODE	TYPE	l/h	bar	Pulse/min.	ml/Pulse	LENGHT	WATT	TUBE Ø	PANEL DIMENSION	WEIGHT
300558	P. STEEL C. pH+Rx	8	5	160	0,83	1,1	100	4x6 mm	800x600 mm	12 kg

Other Flow Rates on request !

STANDARD ACCESSORY KIT:

- injection valve, PP - 2 pcs
- injection tube, PE - 2x 2 m
- suction tube, PVC - 2 pcs
- bleed tube, PVC - 2 pcs
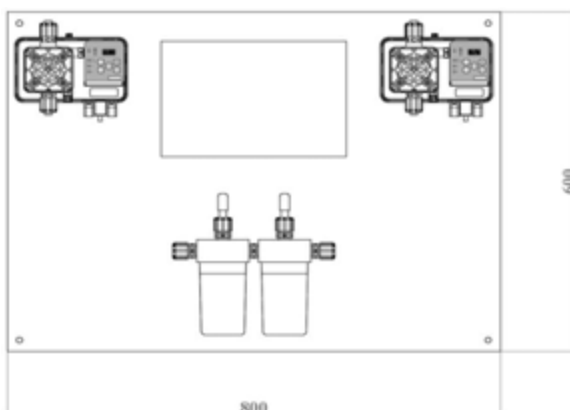- foot filter, PP - 2 pcs

LIQUID ENDS:

	Standard	**Optional**
Pump head:	PP	PVC/PTFE
Diaphragm:	PTFE	
Double ball valv.:	Pyrex	AISI316/PTFE
Injection fittings:	PP	
O-rings:	Viton	Dutral
LIP valve:	Viton	Dutral
Spring valve:	Hastell. / Pyrox	AISI316

MaR Infinity OPTIDOS POOL BLUE   pH + Rx

- Pool water monitoring system, supplied with two proportional
- ABS Thermo-formed elegant panel
- Two electromagnetic dosing pumps with ME1-pH and ME1-Rx on-board pH/Rx controllers
- Digital display for reading and programming
- Professional programming options, pH+ pH-, setpoint, ..
- T.A.L. security systém 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
- Power supplyed at 230 VAC
- Cables in IP 65 box
- Package 470 x 530 x 175 mm

Rabat Group

| 300501 | **Infinity Optidos Pool Blue pH + Rx** | A |

CODE	TYPE	l/h	bar	Pulse/min.	ml/Pulse	LENGHT	WATT	TUBE Ø	PANEL DIMENSION	WEIGHT
300501	POOL BLUE pH + Rx	5	8	180	0,46	1,1	100	4x6 mm	450x510 mm	9 kg

Other Flow Rates on request !

STANDARD ACCESSORY KIT:

- injection valve, PP, VITON lip - 2 pcs
- injection tube, PE - 2x 2 m
- suction tube, PVC - 2 pcs
- bleed tube, PVC - 2 pcs
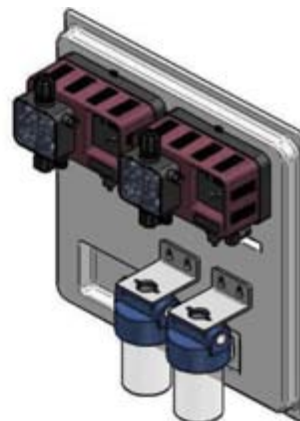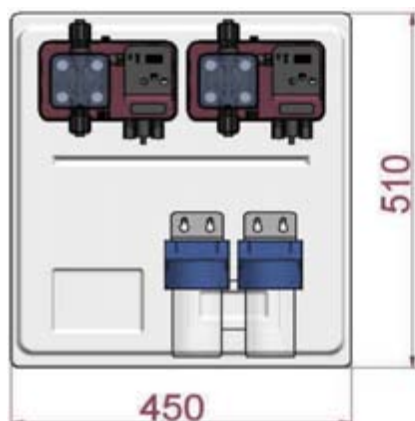- foot filter, PP - 2 pcs

LIQUID ENDS:	**Standard**	**Optional**
■ Pump head:	PP	PVC/PTFE
■ Diaphragm:	PTFE	
■ Double ball valv.:	Pyrex	AISI316/PTFE
■ Injection fittings:	PP	
■ O-rings:	Viton	Dutral
■ LIP valve:	Viton	
■ Spring valve:	Hastell. / Pyrox	AISI316

MaR Infinity OPTIDOS SPEEDYPOOL pH + Rx

- 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.
- Plexiglass 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.

Rabat Group

300564 **Infinity Optidos Speedypool pH + Rx**   A

| CODE	TYPE		l/h	ml/min	barP	RPM	VAC	WATT	INNER TUBE	TUBE Ø	PACKAGE	WEIGHT
300564	OPTIDOS SPEEDYPOOL	pH:	1,0	16,6	1	18	230	3,5	San	4x6 mm	48x32x15 cm	3,5 kg
		Rx:	1,8	29,8	1	30	230	3,5	San	4x6 mm		

Other Flow Rates on request !

STANDARD ACCESSORY KIT:

- injection valve, PP, VITON lip - 2 pcs
- injection tube, PE - 2x 2 m
- suction tube, PVC - 2 pcs
- mouting screws
- foot filter, PP - 2 pcs

LIQUID ENDS: **Standard**

- Tube: Santoprene 4x7
- Fettings: PP
- Foot filter: PP-Viton (one way)
- Injection valve: Viton

WATER INLET 4X6 PVC TUBE
WATER OUTLET 4X6 PE TUBE
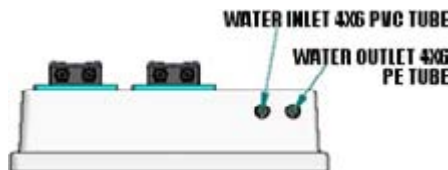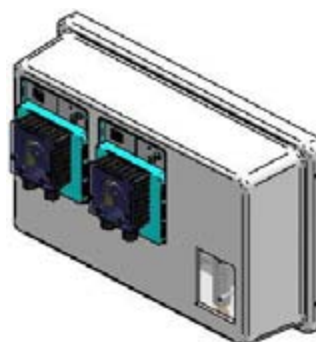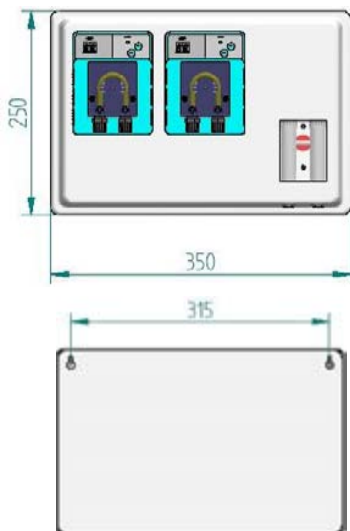
MEASURING & CONTROL UNITS & DOSING FOR PRIVATE SWIMMING POOLS

MaR Infinity OPTIDOS pH

- Solenoid proportional digital pump with a built-in pH controller EXAMPLE
- 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
- 3x7 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring
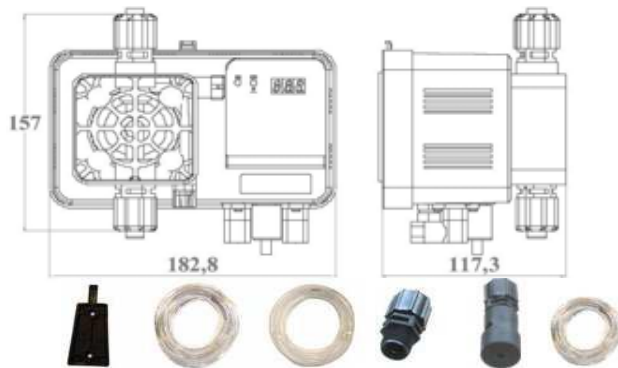
Rabat Group

300503   **Infinity OPTIDOS pH**   A

CODE	TYPE	l/h	ml/pulse	bar	max. pulse/min	STROKE	WATT	TUBE	PACKAGE	WEIGHT
300503	OPTIDOS pH	5	0,46	8	180	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

157
182,8
117,3

LIQUID ENDS:	**Standard**	**Optional**
Pump head:	PP	PVC/PTFE
Diaphragm:	PTFE	
Valve Balls:	Pyrex	AISI316/Cer.
Injection fittings:	PP	
O-rings:	Viton	Dutral
LIP valve:	Viton	
Ball valve:	Hastell. / Pyrox	AISI316

STANDARD ACCESSORY KIT:

- injection valve, PP - 1 pc
- injection tube, PE - 2 m
- suction tube, PVC cristal - 2 m
- bleed tube, PVC cristal - 1,5 m
- foot filter, PP - 1 pc

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Accessories for OPTIDOS pH

300515	**Buffer for calibration pH 4**	A
300516	**Buffer for calibration pH 7**	A
300517	**Buffer for calibration pH 9**	A
300511	**Measuring electrode pH 1 - cable 1 m**	A
300512	**Measuring electrode pH 10 - cable 10 m - cable 1 m**	A
300519	**Measuring cell** holder suitable for 1 probe	A
300521	**PP electrode holder for pipeline**	A
300520	**PVC electrode holder for immersion** available in different lengths	A
300522	**Bath type electrode holder mounting** bracket	A
300523	**Level probe - 2 m cable**	A

MaR   Infinity   OPTIDOS   Rx

- Solenoid proportional digital pump with a built-in ORP controller EXAMPLE
- 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
- 3x7 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
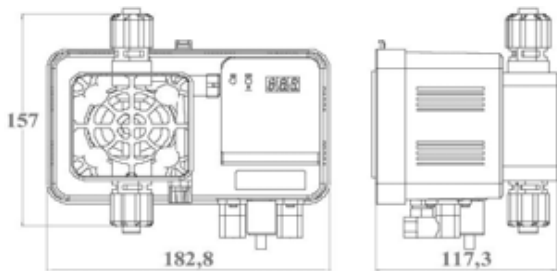- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| | 300502 | **Infinity OPTIDOS Rx** | | | | | | | | A |

CODE	TYPE	l/h	ml/pulse	bar	max. pulse/min	STROKE	WATT	TUBE	PACKAGE	WEIGHT
300502	OPTIDOS Rx	5	0,46	8	180	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

157
182,8
117,3

LIQUID ENDS: **Standard**   **Optional**

- Pump head: PP   PVC/PTFE
- Diaphragm: PTFE
- Valve Balls: Pyrex   AISI316/Cer.
- Injection fittings: PP
- O-rings: Viton   Dutral
- LIP valve: Viton
- Ball valve: Hastell.   AISI316
                      / Pyrox

STANDARD ACCESSORY KIT:

- injection valve, PP - 1 pc
- injection tube, PE - 2 m
- suction tube, PVC cristal - 2 m
- bleed tube, PVC cristal - 1,5 m
- foot filter, PP - 1 pc

ACCESSORIES OPTIDOS Rx

Rabat Group

	300518	**Buffer for calibration Rx**	A
	300513	**Measuring electrode Rx 1 - cable 1 m**	A
	300514	**Measuring electrode Rx 10 - cable 10 m - cable 1 m**	A
	300519	**Measuring cell** holder suitable for 1 probe	A
	300520	**PVC electrode holder for immersion** available in different lengths	A
	300521	**PP electrode holder for pipeline**	A
	300523	**Level probe - 2 m cable**	A

MaR Infinity OPTIDOS ME-1 pH ECO

- Solenoid proportional digital pump with a built-in pH controller EXAMPLE
- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| 300505 | **MaR INFINITY OPTIDOS ME 1 - pH ECO** | A |

CODE	TYPE	l/h	ml/pulse	bar	max. pulse/min	STROKE	WATT	TUBE	PACKAGE	WEIGHT
300505	ME 1 - pH ECO	5	0,64	2	130	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

LIQUID ENDS: **Standard**   **Optional**

- Pump head: PP   PVC/PTFE
- Diaphragm: PTFE
- Valve Balls: Pyrex   AISI316/Cer.
- Injection fittings: PP
- O-rings: Viton   Dutral
- LIP valve: Viton
- Ball valve: Hastell. / Pyrox   AISI316

STANDARD ACCESSORY KIT:

- injection valve, PP - 1 pc
- injection tube, PE - 2 m
- suction tube, PVC cristal - 2 m
- bleed tube, PVC cristal - 1,5 m
- foot filter, PP - 1 pc

Rabat Group

Accessories Optidos pH

300520	**PVC electrode holder for immersion** available in different lengths	A
300511	**Measuring electrode pH 1 - cable 1 m**	A
300512	**Measuring electrode pH 10 - cable 10 m**	A

◀ INSTALLATION EXAMPLE

Infinity OPTIDOS ME1 - C

- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
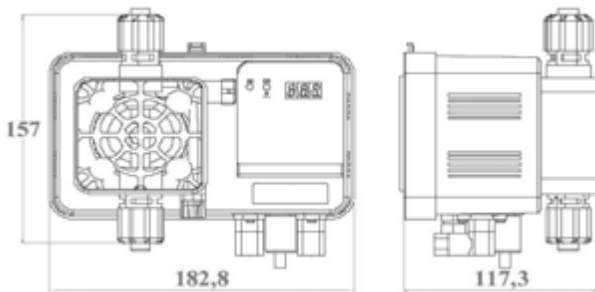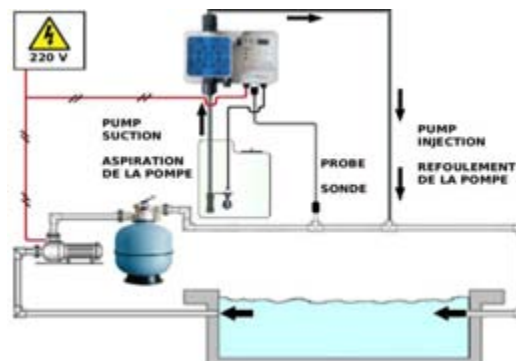- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| 300509 | **Infinity OPTIDOS ME1- C 02** | A |
| 300510 | **Infinity OPTIDOS ME1- C 07** | A |

CODE	TYPE	l/h	ml/Pulse	bar	max. Pulse/min	STROKE	WATT	TUBE Ø	PACKAGE	WEIGHT
300509	ME1 - C 02	2	0,18	11	180	0,9	50	4x6 mm	15x23x28 cm	3,5 kg
300510	ME1 - C 07	7	0,65	5	180	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

Infinity OPTIDOS ME1 - I

- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| 300562 | **Infinity OPTIDOS ME1- I** | A |

CODE	TYPE	l/h	ml/Pulse	bar	max. Pulse/min	STROKE	WATT	TUBE Ø	PACKAGE	WEIGHT
300562	ME1 - I	7	0,65	5	180	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

Infinity OPTIDOS ME1 - mA

- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| 300563 | **Infinity OPTIDOS ME1- mA** | A |

CODE	TYPE	l/h	ml/Pulse	bar	max. Pulse/min	STROKE	WATT	TUBE Ø	PACKAGE	WEIGHT
300563	ME1 - mA	7	0,65	5	180	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

MaR INFINITY OPTIDOS ME 2 - pH

- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable

Rabat Group

| 300551 | **MaR INFINITY OPTIDOS ME 2 - pH** | A |

CODE	TYPE	l/h	ml/pulse	bar	max. pulse/min	STROKE	WATT	TUBE	PACKAGE	WEIGHT
300551	ME 2 - pH	5	0,64	2	120	1,3	50	4x6 mm	15,5x18x22 cm	3,0 kg

Other Flow Rates on request !

LIQUID ENDS:

	Standard	**Optional**
Pump head:	PP	PVC/PTFE
Diaphragm:	PTFE	
Valve Balls:	Pyrex	AISI316/Ceram.
Injection fittings:	PP	
O-rings:	Viton	Dutral
LIP valve:	Viton	
Ball valve:	Hastelloy/ Pyrox	AISI316

STANDARD ACCESSORY KIT:

- injection valve, PP - 1 pc
- injection tube, PE - 2 m
- suction tube, PVC cristal - 2 m
- bleed tube, PVC cristal - 1,5 m
- foot filter, PP - 1 pc

Rabat Group

Accessories Optidos pH

300515	**Buffer for calibration pH 4**	A
300516	**Buffer for calibration pH 7**	A
300517	**Buffer for calibration pH 9**	A
300511	**Measuring electrode pH 1 - cable 1 m**	A
300512	**Measuring electrode pH 10 - cable 10 m**	A
300519	**Measuring cell** holder suitable for 1 probe	A
300520	**PVC electrode holder for immersion** available in different lengths	A
300521	**PP electrode holder for pipeline**	A

MaR INFINITY OPTIDOS ME2-Rx

MECHANICAL CHARACTERISTICS
- PP Box 30% glass fiber reinforced
- IP 65 protection
- Polycarbonate front panel
- Wall mounted with bracket

CONTROL PANEL DESCRIPTION
- Display 2 digits
- 2 Buttons for setpoint e calibration
- 1 red led for level allarm

FUNCTIONING
- Electromagnetic proportional pump with a built-in Redox instrument
- Adjustable Setpoint between 300mV and 800mV.
- Automatioc calibration of just one Redox point (468mV)
- Automatic test for probe health
- Level alarm and overdosing protection integrated in the software
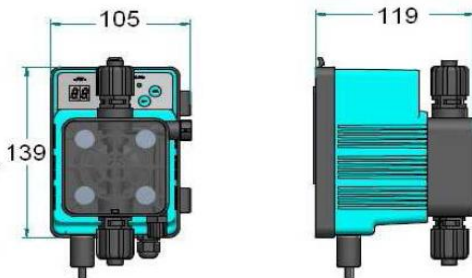- Prearranged for ACID dosing

Rabat Group

300550	**MaR INFINITY OPTIDOS ME2-Rx**	A

CODE	TYPE	l/h	ml/pulse	bar	max. pulse/min	STROKE	WATT	TUBE	PACKAGE	WEIGHT
300550	OPTIDOS ME 2-Rx	7	0,97	2	120	-	50	4x6 mm	13,9x10,5x11,9 cm	2,8 kg

Other Flow Rates on request !

LIQUID ENDS:	Standard	Optional
Pump head:	PP	PVC/PTFE
Diaphragm:	PTFE	
Valve Balls:	Pyrex	AISI316/Cer.
Injection fittings:	PP	
O-rings:	Viton	Dutral
LIP valve:	Viton	
Ball valve:	Hastell. / Pyrox	AISI316

STANDARD ACCESSORY KIT:
- injection valve, PP - 1 pc
- injection tube, PE - 2 m
- suction tube, PVC cristal - 2 m
- bleed tube, PVC cristal - 1,5 m
- foot filter, PP - 1 pc

ACCESSORIES OPTIDOS Rx

Rabat Group

300513	**Measuring electrode Rx 1 - cable 1 m**	A
300514	**Measuring electrode Rx 10 - cable 10 m - cable 1 m**	A
300518	**Buffer for calibration 475 mV**	A
300519	**Measuring cell** holder suitable for 1 probe	A
300520	**PVC electrode holder for immersion** available in different lengths	A
300521	**PP electrode holder for pipeline**	A

Infinity OPTIDOS ME 2 - CA

- Solenoid Constant Analogic pump
- Easy installation and minimal maintenance
- Frequency double manual adjustment scale: from 0-100%; 0-20%
- ON / OFF function
- State led
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 54 protection
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit:
  Pyrex Ball version: Pyrex Ball injection valve,hastelloy spring
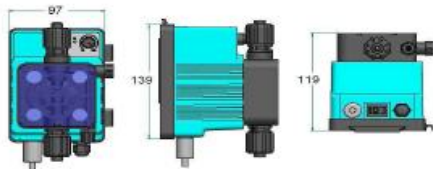 Lip Version : Viton Lip valve, Viton fittings

Rabat Group

| 300548 | **Infinity OPTIDOS ME2 - CA 02** | A |
| 300549 | **Infinity OPTIDOS ME2 - CA 05** | A |

CODE	TYPE	l/h	ml/Pulse	bar	max. Pulse/min	STROKE	WATT	TUBE Ø	PACKAGE	WEIGHT
300548	ME2 - CA 02	1,5	0,21	12	120	1,1	50	4x6 mm	15,5x18x22 cm	3,0 kg
300549	ME2 - CA 05	5,0	0,69	5	120	1,3	50	4x6 mm	15,5x18x22 cm	3,0 kg

Other Flow Rates on request !

STANDARD ACCESSORY KIT:
- injection valve, PP - 1 pcs
- injection tube, PE - 2 m
- suction tube, PVC - 2 m
- bleed tube, PVC - 1,5 m
- foot filter, PP - 1 pcs

Infinity OPTIDOS ME1 - CA

- 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
- Security and reliability
- Polycarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
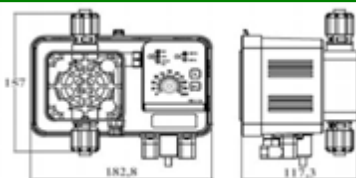- Accessories Kit with ball injection valve, hastelloy spring

Rabat Group

| 300506 | **Infinity OPTIDOS ME1- CA 02** | A |
| 300500 | **Infinity OPTIDOS ME1- CA 06** | A |

CODE	TYPE	l/h	ml/Pulse	bar	max. Pulse/min	STROKE	WATT	TUBE Ø	PACKAGE	WEIGHT
300506	ME1 - CA 02	2	0,21	12	160	0,9	50	4x6 mm	15x23x28 cm	3,5 kg
300500	ME1 - CA 06	6	0,62	8	160	1,1	50	4x6 mm	15x23x28 cm	3,5 kg

Other Flow Rates on request !

STANDARD ACCESSORY KIT:
- injection valve, PP - 1 pcs
- injection tube, PE - 2 m
- suction tube, PVC - 2 m
- bleed tube, PVC - 1,5 m
- foot filter, PP - 1 pcs

ACCESSORIES   FOR   DOSING

DOSING TANKS INFINITY

- Tanks are made from polyethylene
- Closing lid
- Possibilities to built in telescopic draft tube and stirrer

Rabat Group

		Rabat Group
300524	**Tank PE 60 l**	A
300525	**Tank PE 120 l**	A
300526	**Tank PE 220l**	A
300527	**Tank PE 325 l**	A
300528	**Tank PE 550l**	A
300529	**Tank PE 1070 l**	A

CODE	TYPE	liter	A	ø
300524	TANK PE 60 l	60	525 mm	400 mm
300525	TANK PE 120 l	120	680 mm	500 mm
300526	TANK PE 220 l	220	800 mm	620 mm
300527	TANK PE 325 l	325	890 mm	710 mm
300528	TANK PE 550 l	550	1000 mm	885 mm
300529	TANK PE 1070 l	1070	1200 mm	1100 mm
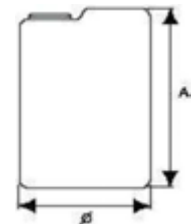
BASINS FOR TANKS

- Basins are made from polyethylene
- For tanks of various capacities

Rabat Group

		Rabat Group
300530	**Basin 100 l**	A
300531	**Basin 200 l**	A
300532	**Basin 300 l**	A
300533	**Basin 400 l**	A
300534	**Basin 500 l**	A

CODE	TYPE	liter	A	ø
300530	BASIN PE 100 l	100	450 mm	600 mm
300531	BASIN PE 200 l	200	600 mm	700 mm
300532	BASIN PE 300 l	300	660 mm	800 mm
300533	BASIN PE 500 l	500	1000 mm	950 mm
300534	BASIN PE 1000 l	1000	980 mm	1220 mm
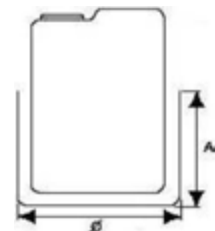
MANUAL MIXERS

Rabat Group

		Rabat Group
300547	**Manual mixers** PVC - 60 cm	A

Other lenght on request !

AUTOMATIC MIXERS

Automatic mixers - 70 ot./ 1 min. - 400 V

300540	**Automatic mixers** PVC - 60 cm	A
300541	**Automatic mixers** PVC - 70 cm	A
300542	**Automatic mixers** PVC - 80 cm	A
300546	**Automatic mixers** PVC - 90 cm	A

Automatic mixers - 1400 ot./ 1 min. - 400 V

300544	**Automatic mixers** PVC - 60 cm	A
300545	**Automatic mixers** PVC - 70 cm	A

Other lenght on request !

ACCESORIES FOR DOSING STATIONS

Telescopic draft tube for canister

			Rabat Group
	300535	**Telescopic draft tube 100 l OPTIDOS**	A
	300536	**Telescopic draft tube 200 l OPTIDOS**	A
	300537	**Telescopic draft tube 300 l OPTIDOS**	A
	300538	**Telescopic draft tube 500 l OPTIDOS**	A

Measuring instrument

		Rabat Group
300539	**Photometer Optidos SP 164**	A

Portable photometer designed for residential use. Chlorine, pH, and Cyanuric Acid are important parameters that can be controlled by the pool tester Supplied complete with battery, 4 tablets for each test, 2 cuvette, boxed and packed,

Measuring range: pH 6,8 - 8,4
Cl 0,1 - 5 mg/l
acid. 0 - 200 mg/l

SALT TREATMENT - SWIMMING POOL WATER

ECOMATIC series

Our Natural, Water Sanitizing Process: As the mild salt water passes through the in-line Eco matic cell, elektro-lysis converts a portion of the dissolved salt into a pure, effective sanitizer. This is essentiallythe same effective sanitizer as would result if chlorine was added to the water - but without the potentially dangerous chlorine additives and the obnoxious "chemical" effects commonly associatedwith manual chlorination - and without the need to handle packaged chlorine. This sanitizer will effectively keep you pool water safe, healthy and crystal clear, by oxidizing (killing) any unwanted bacteria, wirus and algae which may be present in the water.

- Environmentally friendly pool water **sanitizing system – uses only natural salt**
- **Efficient & economical system – low** power consumption
- **Produces sparkling clear, safe pool water –** no odors or irritation to eyes and skin
- Low maintenance, convenient, automated unit
- **User-friendly controls – simple to set** and operate
- Easy to read indicators
- No handling or storing of chlorine
- Voltage: 240 V

'Cell' Head Cover   'Cell'   'Cell' Housing

'Cell' Head   O-Ring Location (Inside 'Cell' Head)
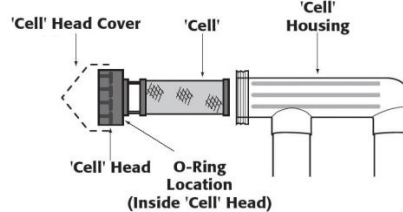
|		Suitable for Pools up to *	**Rabat Group**
310100	**ECOMATIC ESC 16**	58 m³/h	A
989811	**ECOMATIC ESC 24**	95 m³/h	A

* Pool sizing estimates are based on an 8 hour filtration cycle. Pools in hot climates may require a larger unit.

Scope of delivery:
- Electronic control system
- Digital display and LED indicators
- IP34 protection
- High flow rate cell
- High grade U.V. stabilized rust and weather proof cabinet
- Low salt and overload indicators
- Winter switch for cold water operation
- Water flow detector with automatic swich off
- Operates on 230 volts only

Rabat Group

804027	**ECOMATIC BMSC 13**	A

- Electronic control sistem
- IP34 protection
- High flow rate cell
- High grade U.V. stabilized rust and weather proof cabinet
- Low salt and overload indicators
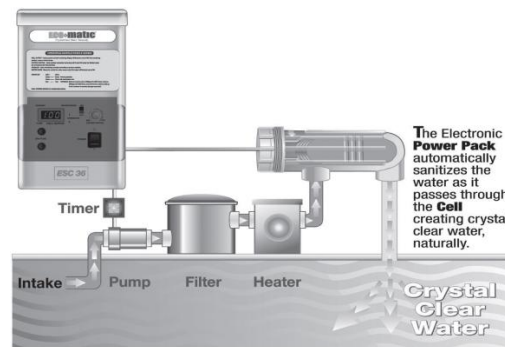
UV DESINFECTION - SWIMMING POOL WATER

EASY UV series

More and more swimming pool owners want crystal-clear bathing water without the chemicals. This is now possible with Easy-UV. It is remarkably effective, environmentally friendly and reliable. UV desinfection is the future of water sterilisation in modern pools.

Operating Principle: UV-C lamps emit shortwave ultraviolet radiation in a wavelength of 253,7 nm.

Benefits At a Glance

- Bacteria, viruses, floating algae, fungi, parasites and other microorganisms are killed

- UV-C light initiates photo-oxidation reactions that destroy chloramines, which are responsible for the unpleasant odour in swimming pools and irritation of the mucous membranes in the nose, eyes, skin and throat. The water remains fresh, clean, clear and retains its natural taste. Healthy minerals are not lost.

- Only minor chemical treatment of the pool is necessary. The risk of disease is thus reduced. You save money and the aging of building materials in and around the swimming pool slows no-ticeably.

- UV-C desinfection is compatible with all other forms of water treatment.

			Connection	Rabat Group
311021	**EASY UV 4-8**		1 ½"	A
311022	**EASY UV 5-15**		2"	A

Replacemant UV tubes

311023	**UV tube 75 W**			A

Technical specifications

CODE / KÓD	311021	311022
TYPE / TYP	EASY UV 4-8	EASY UV 5-15
FLOW RATE / PRŮTOK	4-8 m³	5-15 m³
WATER CONTENT / OBJEM VODY	4,5 l	9,4 l
LAMP / LAMPA	1	1
POWER CONSUMPTION / PŘÍKON	75 W	75 W
VOLTAGE / NAPĚTÍ	230 V	230 V
FREQUENCY / FREKVENCE	50 Hz	50 Hz
PROTECTION CLASS / KRYTÍ	IP 54	IP 54
DWELL TIME / PRODLEVA	4-2 sec.	6,7-2,25 sec.
POOL CONTENT / OBJEM BAZÉNU	1-40 m³	20-75 m³
OPERAT. PRESSURE / PROVOZ. TLAK	max. 2,5 bar	max. 2,5 bar
SERV. LIFE OF LAMP / ŽIVOT. LAMPY	8000 hours	8000 hours
MATERIAL REACTOR / MAT. REAKT.	V4A	V4A
TEMPERAT. RANGE / TEP. ROZSAH	10-40°C	10-40°C
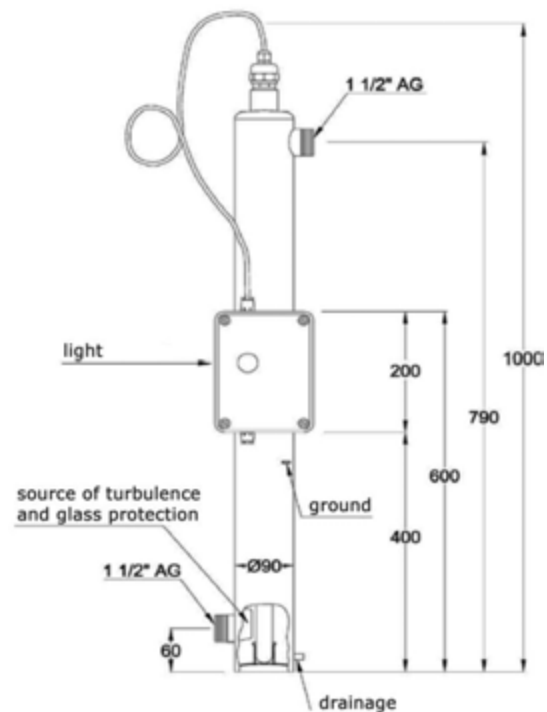
UV DESINFECTION series

Funktion description:
With UV-desinfection buil-in to the sistem we can substantial reduce chlorine dosage or limited it on occasional chlorine shock swimming pool de-sinfection is in progress by means of ultraviolet radiation which is mortal for the most of organi-smus. Ultraviolet radiation annihilates bacterias, algaes, virus, moulds and parasites which are contained in swimming pool water.

Scope of delivery:
Complete apparatus: plastic body with connection PVC d 50, UV tube,control unit.

Technical specifications:
Connection of stainless steel body   d50
Material casing
Max. operation pressure   2,5 bar
UV tube lifetime   8000-9000 hours

DIFFERENT CASE AND ELECTRIC CONNECTION !!!!

			Rabat Group
311017	**UV desinfection 40 W FP** for swimming pool till 35 m3 Max. flow 15 m3/h		A
311018	**UV dezinfekce 75 W FP** for swimming pool till 70 m3 Max. flow 20 m3/h		A
Replacemant UV tubes			
311019	**UV tube 40 W for FP**		A
311020	**UV tube 75 W for FP**		A
Replacemant transformators			
311012	**Transformator 40 W**	with connection	A
311013	**Transformator 75 W**	with connection	A

OZONE for SPAS and private swimming pools

Ozone (O_3) is a gas derived from the recombination of oxygen in the air (O_2)

The third atom of oxygen (O) gives ozone a very high oxidizing power leading to action on:

■   organisms and micro-organisms (viruses, bacteria, etc.)

■   mineral chemicals (metals, etc.) and organic products (chloramines, bromamines).

For pool treatment, the ozone is used in such a way as to reduce the conventional chemical treatment needed and provide the user with better quality water and improved conditions of comfort.

Theory of operation

A flow of ambient air (containing oxygen) is drawn in via a Venturi installed on the water pipe intended for treatment. The air first passes throught the PERMOOZONE chamber. The transformation reaction of part of the oxygen into ozone ($O_2 \rightarrow O_3$) occurs under the effect of the UV lamp emitting at a wavelength of 185 nm.

The gas leaving the chamber (air + ozone) is then mixed with the water to be treated at the Venturi.

Ozonizers generate enough ozone for most applications as long as the excessive variations that can occur during use do not appear and that the added chemicals such as remanent disinfectant are properly checked, taht the pH is adjusted and that the number of users in controlled.

It is important to bear in mind that ozone has no effect on the pH of the water which must be kept under inspection and adjusted accordingly.
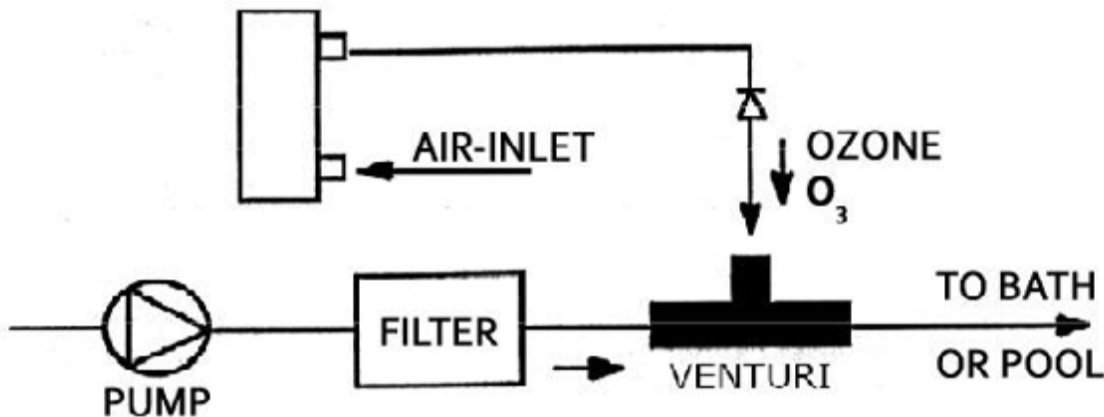
OZONE   FOR   PRIVATE   POOLS

		Rabat Group
316218	**Ozone S 80 Z**	A
316230	**Systeme Venturi Complet**	A
316250	**Basics Pool Lamp (S8R0ZA)**	A

Venturi bypass ►