

MEASURING & CONTROL UNITS FOR PUBLIC SWIMMING POOLS

Measuring and Controlling Equipment ensuring required water quality in public pools. This is fully automatic measuring and controlling equipment with micro-processor control, mounted on a wall plate including a measuring cell, measuring probes and internal cabling. It can also be connected to a recording device or monitored by PC.

Technical specifications:

Constant flow maintained when measured water pressure fluctuates

Continual cleaning of measuring probes with cleaning sand in the cleaning cell

Flow through the measuring cell: 30 l/h

Operational pressure: 0,2 – 4,0 bar. Free outlet of measured water – max. 1,5 bar counter-pressure

Chlorine Measuring :

Three-electrode measuring chain, maintenance-free electrode. Measuring accuracy : +/- 1%

pH Measuring :

One-electrode measuring chain, 0 – 12 pH , min. conductivity : 300uS/cm

Redox-potential Measuring:

One-electrode measuring chain, 0 – +1000 mV , min. conductivity: 300uS/cm



			Rabat Group
300037	MSR CONTROL	Cl+pH-Rx Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300038	MSR CONTROL	Cl+pH Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300039	MSR CONTROL	Cl Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300040	MSR CONTROL	Cl+Cl+pH For dosing pumps only! Dimensiones (WxHxD): 760 x 500 x 140 mm	A
300041	MSR CONTROL	Cl+pH-Rx - 0/4 -20 mA outlet Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300042	MSR CONTROL	Cl+pH - 0/4 - 20 mA Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300043	MSR CONTROL	Cl - 0,4 - 20 mA Dimensiones (WxHxD): 600 x 500 x 140 mm	A
300044	MSR CONTROL	Cl+Cl+pH For dosing pumps only! Dimensiones (WxHxD): 760 x 500 x 140 mm	A

SPARE PARTS + ACCESSORIES

	Rabat Group
300064 MSR CONTROL Visualis, RS 485 Interface	A
300063 MSR CONTROL Visualisation Software CMS 2.1	A
300055 MSR CONTROL Complete flow cell	A
300056 MSR CONTROL Complete chlorine electrode	A
300693 MSR CONTROL pH measuring chain	A
300694 MSR CONTROL Redox measuring chain	A
300060 MSR CONTROL ph 7 calibration solution	A
300061 MSR CONTROL pH 4 calibration solution	A
300062 MSR CONTROL Rx + 478 mV calibration solution	A

MaR Infinity POOLDOS pH + Rx

Delivery scope: pump IDRPH 10-08, pump IDRRX 10-08, PH probe ISPH, RX probe ISRX, buffer solution (pH 7, pH 9, Rx), filter IFL, probe holders. It is assembled on panel.
Panel dimensions are: 600 x 400 mm



300130 **Pooldos pH + Rx**
Flow: 10 l/h, Pressure: 8 bar

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MaR Infinity POOLDOS pH + Rx + CI

Delivery scope: pump IDRPH 10-08, pump IDRRX 10-08, pump IDRPM 10-08, microprocessor instrument IM 96-20 CI, PH probe ISPH, RX probe ISRX, CI amperometric cell ICLA2/S with flow sensor, buffer solution (pH 7, pH 9, Rx), filter IFL, probe holders. It is assembled on panel.
Panel dimensions are: 800 x 600 mm.



300131 **Pooldos pH + Rx + CI**
Flow: 10 l/h, Pressure: 8 bar

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MaR Infinity POOLDOS STAR pH+ Rx + CI + T

Delivery scope: pump IDRPM 10-08, pump IDRPM 10-08, microprocessor instrument MLP3, PH probe ISPH, RX probe ISRX, CI amperometric cell ICLA2/S with flow sensor, buffer solution (pH 7, pH 9, Rx), filter IFL, probe holders. It is assembled on panel.
Panel dimensions are: 800 x 600 mm.



300132 **Pooldos pH + Rx + CI + T**
Flow: 10 l/h, Pressure: 8 bar

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FOR PRIVATE SWIMMING POOLS

DOSING PUMP INFINITY ID

The ID.B series pump is an electromagnetic dosing pump with manual adjustable flow control by front panel protected by a polycarbonate panel cover. The housing is made in ABS plastic, strong and easy to install. Standard version is supplied with standard accessories kit and 230V power supply. Upon request fitting for level probe



300102 **Infinity ID B 02** Capacity: 2 l/h

300103 **Infinity ID B 06** Capacity: 6 l/h

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Standard accessories supplied

- ▶ 1 Foot valve / Strainer.
- ▶ 1 Injection fitting / pressure loading valve.
- ▶ 2 meters opaque PE delivery tubing.
- ▶ 2 meters PVC clear suction tubing.
- ▶ 1.5 meters PVC clear priming tubing

DOSING PUMP INFINITY ID PH POOL

The pump series ID.PH POOL is an electromagnetic proportional pump with a built-in ph-meter directly connected to it by a 4-20 mA current signal. The programming is simple and the calibration of the Zero (ph = 7) is fully automatic. The pump can work in manual mode too (maximum frequency of 105 pulses/minute). On the front panel there is a GREEN LED (signal of switched on pump).



300100 **Infinity ID PH POOL**

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300104 **Measuring electrode pH**

A



300107 **Buffer for calibration pH 4**

A

300108 **Buffer for calibration pH 7**

A



30021 **Measuring cell - small (PVC)**

A

300106 **Measuring cell**

A

DOSING PUMP INFINITY ID RX POOL

The pump series ID.RX is an electromagnetic proportional pump with a built-in rx meter directly connected to it by a 4-20 mA current signal. The programming and the calibration (Zero and Gain) are very simple. The pump can work in manual mode too (maximum frequency of 105 pulses/minute). On the front panel there is a GREEN LED (signal of switched on pump).



300101 **Infinity ID Rx POOL**

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300105 **Measuring electrode pH**

A



300110 **Buffer for calibration 475 mV**

A

30021 **Measuring cell - small (PVC)**

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300106 **Measuring cell**

A

MaR Infinity POOLDOS pH

ID.R PH is an electromagnetic pump with manual adjustable flow housed in a fire-proof and antacid plastic box. 4digits display. It allows a double regulation: piston stroke (quantity for pulse) and frequency (numbers of pulses/min.), controlled by an internal microprocessor based pH instrument in proportional mode. IP65 protection. It is supplied with lip valve and purge valve. Power supply 230 V. (other voltages upon request) and standard accessories kit and level probe predisposition.



300120 **MaR Infinity POOLDOS pH**
Flow: 15 l/h Pressure: 4 bar

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MaR Infinity POOLDOS Rx

ID.R RX is an electromagnetic pump with manual adjustable flow housed in a fire-proof and antacid plastic box. 4 digits display. It allows a double regulation: piston stroke (quantity for pulse) and frequency (numbers of pulses/min.), controlled by an internal microprocessor based Redox instrument in proportional mode. IP65 protection. It is supplied with lip valve and purge valve. Power supply 230 V: (other voltages upon request) and standard accessories kit and level probe predisposition.



300121 **Mar Infinity POOLDOS Rx**

Flow: 15 l/h

Pressure: 4 bar



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Infinity POOLDOS 15

ID.R B is an electromagnetic pumps with manual adjustable flow housed in a fire-proof and antacid plastic box. It allows a double regulation: frequency (numbers of pulses/min.) and piston stroke (quantity for pulse). 10-100%. 3 digit display. IP65 protection. It is supplied standard with lip valve and purge valve. Power supply 230 V. (other voltages upon request) and standard accessories kit. This version is predisposed for the level probe.



300122 **Infinity POOLDOS 15**


Flow: 15 l/h

Pressure: 4 bar



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SPARE PARTS + ACCESSORIES

			Rabat Group
300007	Buffer for calibration pH 4		A
300008	Buffer for calibration pH 7		A
300009	Buffer for calibration pH 9		A
300010	Buffer for calibration Rx		A
300011	Tank PE 60 I	d=380 mm h=670 mm	A
	300012 Tank PE 108 I	d=470 mm h=680mm	A
	300013 Tank PE 230I	d=610 mm h=870 mm	A
	300014 Tank PE 315 I	d=680 mm h=960 mm	A
	300015 Tank PE 530I	d=830 mm h=1065 mm	A
	300016 Tank PE 1040 I	d=1005 mm h=1415 mm	A

DOSING PUMPS MEDO II

Functions :

The MEDO II dosing pumps are step-controlled, motor-driven diaphragm dosing pumps equipped with an accumulator.

Operation options:

- Permanent operation
- Operation controlled by a water contact meter.
- Operation with a controller or current signal (0/4-20 mA)

Technical parameters:

- Continuously variable dosing output
- Correction of the dosing output in accordance with pipeline pressure
- External switching option, e.g. for circulation pumps
- Possibility to connect dosing pumps to the central control unit

MEDO II		6	6C	12	12C
Max. counter-pressure	bar	8/10,		5	
Output at the counter-pressure of 5 bar	l/h	0,004 - 6		0,5 – 12,0	
Max. suction height of H ₂ O	m v.s.	2		2	
Power connection	V/Hz	230/50			
Input	VA	20			
Max. temperature of dosed medium	°C	30			
Max. around temperature	°C	5-45			
Suctioning/dosing pipe – diameter	mm	4 x 6			
Weight	kg	3			
Length x width x height	mm	240 x 122 x 156			



300006 **MEDO 6**
 300007 **MEDO 6 C**
 300008 **MEDO 12**
 300009 **MEDO 12 C**

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DOSING STATIONS DOSING OF FLOCCULANT AND ALGICIDE

	Rabat Group
310001 F-Dos/Medo II / 6 Completely dosing station, direct dosing of chemicals from package, with console, including 5 m dosing hose, pump delivery 0,004 – 6 l / h	A
310002 F-Dos/Medo II / 6 Completely dosing station, direct dosing of chemicals from package, with wall console, including 5 m dosing hose, pump delivery 0,004 – 6 l / h	A

CORRECTION pH

	Rabat Group
310003 pH-Dos/Medo II / 12 Completely dosing station, direct dosing of chemicals from package, with console, including 5 m dosing hose and safety trapping tank pump delivery 0,5 - 12 l / h	A
310004 pH-Dos/Medo II / 6 Completely dosing station, direct dosing of chemicals from package, with console, including 5 m dosing hose and safety trapping tank pump delivery 0,004 – 6 l / h	A

DOSING OF DESINFEKTION

	Rabat Group
310005 CI-Dos/Medo II / 12 Completely dosing station, direct dosing of chemicals from package, with console, including 5 m dosing hose and safety trapping tank pump delivery 0,5 - 12 l / h	A
310006 CI-Dos/Medo II / 12 Completely dosing station, direct dosing of chemicals from package, with wall console, including 5 m dosing hose and safety trapping tank pump delivery 0,5 - 12 l / h	A

DOSING STATIONS INCL. 100 LTR. DOSING TANK WITH MANUAL STIRRER



	Rabat Group
310007 100 l - Dos/Medo II / 12 Completely dosing station, dosing of chemicals from dosing tank 100 l with manual stirrer, with wall console, including 5 m dosing hose and safety trapping tank, pump delivery 0,5 - 12 l / h	A



ACCESORIES FOR DOSING STATIONS

	Rabat Group
310008 Electro - stirrer for 100 l tank	G
310009 PVC dosing inject with ball valve	A
310010 Draft tube for canister	A
310011 Telescopic draft tube for canister Size 1	A
310012 Telescopic draft tube for canister Size 2	A

CHLORINE-FREE DESINFECTION OF POOL WATER PIONEER 15

Functional description:

Elektro-physical process with the bacterial and algicide effect, it keeps pool water crystal clean without bacteria and algae without the use of chlorine and chemicals replacing chlorine products.

Delivery scope:

A control unit with a controller for setting various performance levels, a transformer for low safe voltage – 220/30 V, a cable to electrodes, a front panel with a digital performance indicator, a flow chamber, an electrode block.

Technical parameters:

		Pioneer 15
For pools with the maximum volume	m3	80
Connection dimension of the flow chamber	thread"	6/4" internal
Electric connection of the measuring and control unit	V/Hz	230/50
Electric output	W	6



310001 Pioneer 15

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POOL-OXIDES B.O.S.S.

Functional description:

In the case of B.O.S.S. (Bipolar Oxidation Sanitation System) OH radicals, atomic oxygen and a small amount of chlorine – strong oxidation substances are produced on the graphite electrodes. This is why the dosage of chlorine can be reduced by up to 90%.

Delivery scope:

An electronic control unit in a modular system with a controller for setting various performance levels, a transformer for low safe voltage of 220/30V, a cable to electrodes, a front panel with a digital indicator of intensity, a flow chamber, an electrode block.

Technical parameters:

		Pool-Oxides B.O.S.S.
For pools with the maximum volume	m3	80
Connection dimension of the flow chamber	thread"	6/4" internal
Electric connection of the measuring and control unit	V/Hz	230/50
Electric output	W	15



310002 Pool-Oxides B.O.S.S.

Rabat
Group
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