



WATERFRIEND MRD-3 *exclusiv*



WE MAKE WATER CLEAR

With Touch-Screen-Monitor and Internet connection



Pool water treatment for Chlor, pH and ORP (Redox)

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Product Information



WATERFRIEND MRD-3 exclusiv



osf WATERFRIEND-chlorine

Measurement, control and metering unit with Internet connection

The advanced "WATER-FRIEND MRD-3" metering unit incorporates the latest findings in modern control engineering. Several reciprocally checking microprocessors check the water quality and **implement the high-quality chlorine, pH and ORP regulation**. The metering unit, including the control system, measuring cells, flow fitting, dirt filter and metering pumps are fitted in a compact plastic housing for wall mounting.

Even the series version contains a WebServer for connection to the Internet. This makes remote diagnosis of the "WATERFRIEND MRD-3" dosing unit possible using computer network, Internet, smartphone and WLAN.

A digital flowmeter continuously determines the quantity of the measurement water flowing through the flow fittings. The results of this measurement is transmitted from the microprocessors to the control system. This well thought-out control algorithm is extremely important for precise chlorine regulation, which therefore optimises the swimming pool water irrespective of pressure fluctuations.

The pH regulation is configurable. For this reason, the relevant metering pump can be used both to lower and raise the pH value.

The high-quality, powerful metering pumps are driven by speed-controlled stepper motors. **This means that the delivery quantity can be set within a range of 0 to 10 litres per hour.** This intelligent speed control enables a wide range of applications and adaptation to different pool sizes, water temperatures and swimming pool user profiles.

The "WATERFRIEND MRD-3" can optionally be fitted with a third metering pump. This pump can then be used to raise the pH value or for the admixture of flocculants thanks to its flexible configuration.

The colour touchscreen monitor with background illumination also offers an easily readable, multi-line plain text display in addition to the graphic display. **The integrated language settings contain several languages.** Clearly laid out menu navigation enables simple operation and calibration of this high-quality metering equipment.

The flow fittings with multicoloured RGB LEDs display the maintenance interval for each individual electrode. The LEDs are also used as an indicator during calibration.

The high-quality glass electrodes are fitted with a connecting plug including an integrated transmitter. The connecting cable consists of a heavy-duty spiral cable, which makes service work easier.

The temperature sensor in the flow fitting detects the temperature of the measurement water and enables automatic temperature balance in the control system. The prefilter contains a large-area filter screen made of stainless steel.

The integrated bus interface enables the WATERFRIEND to be connected with the osf filter/backwashing control **EUROMATIK.NET**. In this constellation, the **EUROMATIK.NET** external control panel can be directly accessed to the WATERFRIEND MRD-3 measurement and control system.

The scope of delivery includes two suction lances, three buffer solutions, measuring cups, two injection valves, two measurement water extraction taps, hoses, connection and fixing material.

Subject to alterations! 02/2013



Measurement, regulation and metering unit for chlorine, pH and ORP



Chlorine sensor with colour change



osf flow fitting with colour change



Flowmeter with quantity measurement



Metering pump with speed control

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