



## **WATERFRIEND** **MRD-2** *exclusiv*



# WE MAKE **WATER** CLEAR



## Pool water treatment for pH and ORP (Redox) for public and private pools



### Now with and without Internet connection

osf Hansjürgen Meier · Elektrotechnik und Elektronik GmbH & Co KG



Postfachanschrift:  
Postfach 1405  
D-32328 Espelkamp

Hausanschrift:  
Eichendorffstraße 6  
D-32339 Espelkamp

Telefon (0 57 72) 97 04-0  
Telefax (0 57 72) 57 30

E-Mail: info@osf.de  
Internet: www.osf.de



# Product Information



## WATERFRIEND MRD-2 *exclusiv*



osf WATERFRIEND

Measurement, control and metering unit optionally with Internet connection

The advanced "WATERFRIEND *exclusiv* MRD-2" metering unit contains the latest findings in modern control engineering. Several reciprocally checking microprocessors check the water quality and **implement the high-quality pH and ORP regulation**. The metering unit, including the control system, measuring cells, flow fitting, dirt filter and metering pumps are fitted in a plastic housing for wall mounting.

The "WATERFRIEND *exclusiv* MRD-2" is also available at low extra cost with an **integrated WebServer**. This WebServer enables connection of the WATERFRIEND to a computer or the Internet. This makes remote diagnosis of the "WATERFRIEND MRD-2" dosing unit possible using computer network, Internet, smartphone and WLAN.

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-powered metering pumps are driven by speed-controlled stepping 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 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 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 temperature sensor in the flow fitting detects the temperature of the measurement water and enables automatic temperature balance in the control system.

A digital flowmeter determines the quantity of the water flowing through the runthrough fitting and enables the measurement and control system to carry out precise metering.

The prefilter contains a large-area filter screen made of stainless steel.

The large graphic display with background illumination offers an easily readable, multi-line plain text 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 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.

Measurement, regulation and metering unit for pH and ORP



Metering pump with speed control



osf flow fitting with colour change



Flowmeter with quantity measurement

Subject to alterations! 02/2013



osf Hansjürgen Meier · Elektrotechnik und Elektronik GmbH & Co KG



Postfachanschrift:  
Postfach 14 05  
D-32328 Espelkamp

Hausanschrift:  
Eichendorffstraße 6  
D-32339 Espelkamp

Telefon (0 57 72) 97 04-0  
Telefax (0 57 72) 57 30

E-Mail: info@osf.de  
Internet: www.osf.de

