

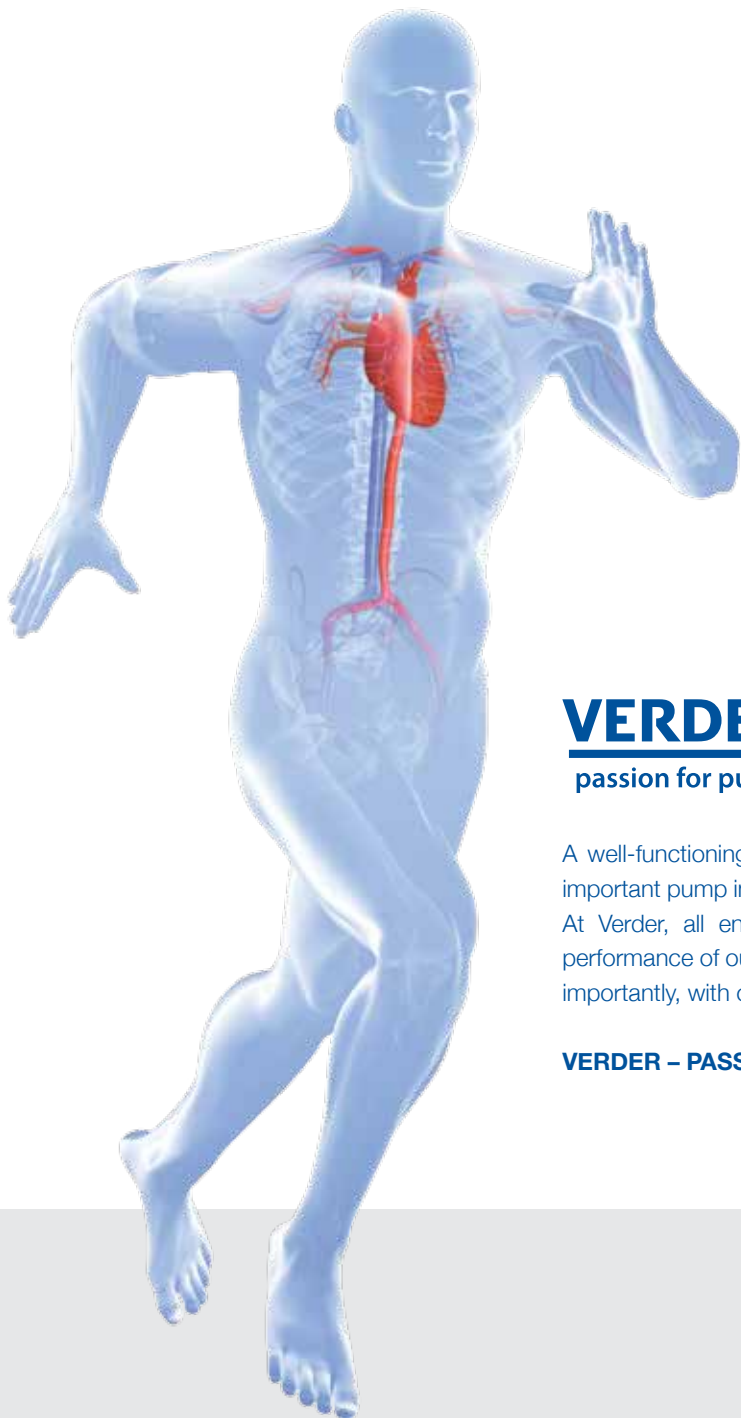


VERDERFLEX®

## VERDERFLEX VP

Peristaltic dosing pumps & systems

**VERDERFLEX**  
Peristaltic dosing  
pumps & systems



## **VERDER**

passion for pumps

A well-functioning pump helps you succeed. That applies certainly to the most important pump in life, the human heart, but the same goes for pumps in business. At Verder, all energy and attention is focused on improving the quality and performance of our pump and service. We do so with energy, dedication and most importantly, with our heart.

**VERDER – PASSION FOR PUMPS**

# Verderflex

## Peristaltic dosing pumps & systems

*Verder has been established in the manufacture and sales of pumps for 55 years. In this time, Verder has become an excellent provider to key markets such as clean and waste water treatment, food processing and the environmental industries. Verder specializes in positive displacement pumps. The Verderflex dosing range consists of peristaltic tube pumps and professional instruments.*



Verderflex dosing systems and dosing pumps are ideal pumps for precise dosing in many applications where accuracy is crucial. All products are CE certified. Recommended applications include water treatment, chemical dosing, cleaning/hygiene, vending machines, laboratories & analysis, bottle filling and other OEM applications.

Verder engineers are always seeking to further improve the user-friendliness and the accuracy of our dosing systems and panels through research and development with our customers.

In water treatment, Verderflex dosing pumps and systems are used for the dosing of chemicals to neutralize all kinds of polluted water.

Chemical dosing is most often used for the treatment of sewage, as part of the anaerobic digestion process for making energy from organic waste and for cleaning industrial effluent to be returned to the natural water course. Typical applications include pH buffering, chemical dosing, disinfection, removing phosphates and the dosing of lime.

### **Verderflex industry sectors:**

- Municipalities
- Cleaning & hygiene
- Food & beverage
- Waste water treatment
- Dairy
- Agriculture
- Pool & spa
- Pharma

### **Benefits:**

- Virtually wear-free drive (only 1 moving part)
- No lubrication on bearings or shafts
- Easy to maintain and to install
- Extremely low maintenance and repair costs
- Excellent flow characteristics



## Verderflex Peristaltic tube pump series

Verderflex VP peristaltic tube pumps are compact tube dosing pumps for dosing of chemicals; offering models with integrated function such as timer, pH control or Redox control. Peristaltic tube pumps with fixed displacement, low flow rates for many dosing applications. The system is self priming, with an innovative stability tube control to maximise tube life.



### Verderflex VP1-Timer;

Fixed flow peristaltic tube pump with programmable stop/start control and daily and weekly settings. Up to 10 program settings per day. Protection rating IP55. Standard power supply is 230 VAC with Santoprene® tubing.

|                   |         |
|-------------------|---------|
| Maximum flow rate | 2.4 l/h |
| Maximum pressure  | 1 bar   |

## Verderflex OEM pumps



### Verderflex VP2-B;

Peristaltic wall mounted tube pump with fixed flow rate. Protection rating IP55. Standard power supply is 230 VAC with Santoprene® tubing. Options 24 VDC, Silicon or Tygon® tubing, on/off switch.

|                   | 230 VAC | 24 VDC |
|-------------------|---------|--------|
| Maximum flow rate | 6 l/h   | 20 l/h |
| Maximum pressure  | 1 bar   | 1 bar  |



### Verderflex VP2-R 20-260 VAC Multi-Voltage;

Peristaltic wall mounted tube pump with integrated speed adjustment from 0 – 100%. Protection rating IP55. Standard power supply is 20-260 VAC with Santoprene® tubing. Options Silicon or Tygon® tubing, on/off switch. A 230 VAC version is also available.

|                   | 20-260 VAC |
|-------------------|------------|
| Maximum flow rate | 20 l/h     |
| Maximum pressure  | 1 bar      |





## Verderflex VP2 series with built in controller



### Verderflex VP2-pH;

Digital proportional peristaltic tube pump for pH control. Automatic calibration with efficiency indication of the electrode. Protection rating IP55. Standard power supply is 230 VAC with Santoprene® tubing. Options Silicon or Tygon®.

|                   |       |
|-------------------|-------|
| Maximum flow rate | 4 l/h |
| Maximum pressure  | 1 bar |



### Verderflex VP2-RX;

Digital proportional peristaltic tube pump for Redox control. Automatic calibration with efficiency indication of the electrode. Protection rating IP55. Standard power supply is 230 VAC with Santoprene® tubing. Options Silicon or Tygon®.

|                   |       |
|-------------------|-------|
| Maximum flow rate | 4 l/h |
| Maximum pressure  | 1 bar |





## Verderflex VP PRO series with built in controller



### Verderflex VP-PRO MA;

Digital peristaltic dosing pump with integrated controller. Digital, proportional peristaltic tube pump with an 0/4 - 20 mA signal. Programmable over the entire range of mA. Function constant dosing with adjustments of the percentage of the total Protection rating IP55.

|                   |       |
|-------------------|-------|
| Maximum flow rate | 6 l/h |
| Maximum pressure  | 1 bar |



### Verderflex VP-PRO PH/RX;

Digital peristaltic dosing pump with integrated controller. Advanced digital dosing system suitable for pH/Redox control. Three different types of function possible: constant On or Off and proportional. Protection rating IP55.

|                   |       |
|-------------------|-------|
| Maximum flow rate | 6 l/h |
| Maximum pressure  | 1 bar |



### Verderflex VP-PRO CL;

Digital peristaltic dosing pump with integrated controller. Advanced digital dosing system suitable for direct reading in ppm chlorine. Function constant dosing with adjustments of the percentage of the total. Instant flow rate % visualization. Protection rating IP55.

|                   |       |
|-------------------|-------|
| Maximum flow rate | 6 l/h |
| Maximum pressure  | 1 bar |



## Verderflex Accessories and ancillary equipment

**To enlarge the application areas of the Verderflex solenoid dosing pumps, an extended program of accessories and ancillary equipment is available.**

### Pump parts

- Injection valve is either in Polypropylene (PP) or Stainless Steel (SS)
- PP injection valve with internal lip valve 1/2"
- PP injection valve with ball valve and Hastelloy spring 1/2"



### Electrodes

Electrodes for controllers: pH Electrodes, Redox Electrodes, Conductivity Electrodes, Temperature Electrodes, Chlorine cell and Electrodes, Oxygen electrodes. Each electrode reads one measurement.

### Probe and Probe holders

For all applications probe and probe holders are available for pH, Redox and conductivity. Coax cables and electrode holders, buffer solution and level probes are available in several models.

### Mixers

A perfect solution to mix chemicals in small tanks (30-1000 litres). The shaft is made of stainless steel for maximum strength against mechanical stress. The mixers are available in two standard speeds: 70 rpm for slow rotation and 1400 rpm for fast rotation, depending on your application. Other speeds on request. The mixers can be equipped with single or 3 phase motor.

### Tanks

High density polyethylene tanks.

## Verderdos Control equipment

**Verderdos solenoid driven metering pumps can be used in combination with a professional digital microprocessor controller with LCD display for control of:**

- pH: 0-14 pH
- Redox: 0-999 mv
- Temperature: 0-99 °C
- Chlorine: 0-5 PPM
- Conductivity: 0-20 mS
- Amperometric and potentiostatic

### Features:

- 2 rows LCD backlit display
- Relays dry contacts
- 0/4 - 20 mA proportional digital output
- Password protected
- Operating temperature -10 - +50°C
- Input for flow sensor
- 1 Frequency output



### Technical data:

- Power supply 90-260 V ~
- No.1 frequency relay dry contact
- No.2 independent relay dry contact 8 A MAX
- No. 2 0/4÷20 mA proportional outputs max load of 600 Ohm
- Storage temperature -20/+ 60°C
- Max operating humidity 90%
- PP casing
- IP 65
- Ethernet Interface RJ45 optional



**Do you have questions?** If you have questions concerning our pumps or special applications, please do not hesitate to contact us. [www.verderflex.com](http://www.verderflex.com)

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