

Technical specifications

Max. flow rate	6600 ml/min, 396 l/h
Maximum Pump Speed	400 rpm
Max. discharge pressure	>7 bar
Speed Control Ratio	4001:1
Temperature	5°C - 40°C
Ingress Rating	IP66 / NEMA 4X (washdown)
Power Supply	85-265V 50/60Hz AC single phase with fuseless reset switch
Humidity	(condensing) 10-100% RH
Noise	<70dB (A) at 1m
Weight	12 kg

Materials

Casing	Gravity die-cast LM6 Aluminium, Achromed and powder coated
Continuous Tubing Clamps	Glass Filled Nylon
Display	High definition 110mm (4.33") TFT touch screen
Drive shaft	304 Stainless steel with thermoplastic polyurethane (TPU) sleeve
Pump Head	PPS (polyphenylene sulphide) Rotor Body & Arms 304 Stainless Steel Main rollers with 440C Stainless Steel Bearings Nylon guide rollers. Bearing Strut : Bulk Moulding Compound (BMC) - glass fibre re-enforced thermo-set polyester
Pump Head Door	Polycarbonate
Pump Head Enclosure	Bulk Moulding Compound (BMC) - glass fibre re-enforced thermo-set polyester
Screen Guard	Impact Resistant Polycarbonate
Screen Enclosure	Bulk Moulding Compound (BMC) - glass fibre re-enforced thermo-set polyester
Tube Element Connectors	PVDF

Typical applications

- Drinking Water Treatment
Dosing chemicals, like:
 - Sodium Hypochlorite (NaOCl)
 - Aluminium Sulphate (AlSO₄)
 - Sodium Bisulphite (NaHSO₃)
 - Fluorosilicic Acid
 - Poly Aluminium Chloride (PACl₃)
- Waste Water Treatment
Dosing chemicals, like:
 - Ferric Chloride (FeCl₃)
 - Sodium Hypochlorite (NaOCl)
 - Potassium Permanganate (KMnO₄)
- Industrial
 - Food Industry: Dosing Flavour into Oils
 - Brewing: Yeast
 - Power Generation: Hypo
 - Mineral processing: reagent dosing (low shear reduces flocculent use)
 - Pulp & Paper: Precision dosing of dyes & brighteners
 - Seed Coating
- Biotechnology & Pharmaceuticals
 - Cell Solution
 - Transfer Fermenter Feeds
 - Filtration Feeds
 - Nutrient Metering

Flow rate ml/min

Wall thickness standard tubing (2 bar)	1.6 mm ID	3.2 mm ID	4.8 mm ID	6.4 mm ID	8.0 mm ID	9.6 mm ID
Wall thickness 1.6 mm standard	280	920	1840	3280	4600	x
Wall thickness 2.4 mm standard	x	1056	2016	3440	5000	6600
Wall thickness medium pressure tubing (4 bar)						
Wall thickness 2.4 mm medium	x	x	1040	x	x	x
Wall thickness high pressure tubing (7 bar)						
Wall thickness 2.4 mm medium	x	x	920	x	x	x



VERDERFLEX VANTAGE 5000

Easy programming, precision dosing pumps



Verderflex Vantage 5000 key features:

- Easiest programming ever, up to 30 programs
- Maximum flow range flexibility; 4000:1 turndown
- Perfect display; Full colour HD 110 mm touch screen display



Verderflex Vantage 5000 series

Easy programming, precision dosing pumps

Verder has over 60 years of experience with peristaltic tube pumps. Now Verder introduces a brand new concept: a high end precision dosing pump system: the Vantage 5000.

At the cutting edge of peristaltic pump technology, Verderflex Vantage 5000 cased tube pumps offer revolutionary new user benefits. The most prominent advantage is the ease of programming of these pumps.

Employing the proven principles of the peristaltic pump movement, the advanced Verderflex Vantage 5000 pump is one of the rare pumps in the market that not only has enough internal memory to save up to 30 dosing and batching programs but also allows users to back up job files and download pump histories through its USB data-port.

The benefits

- Easiest programming, up to 30 programs
- Precision dosing
- Highest flow rate compared to other leading brands
- High flow per revolution enhances tube life
- Advanced touch screen technology
- Intuitive, icon based menus
- Wide range of remote control options



SCADA versions include opto isolated inputs and outputs

Features

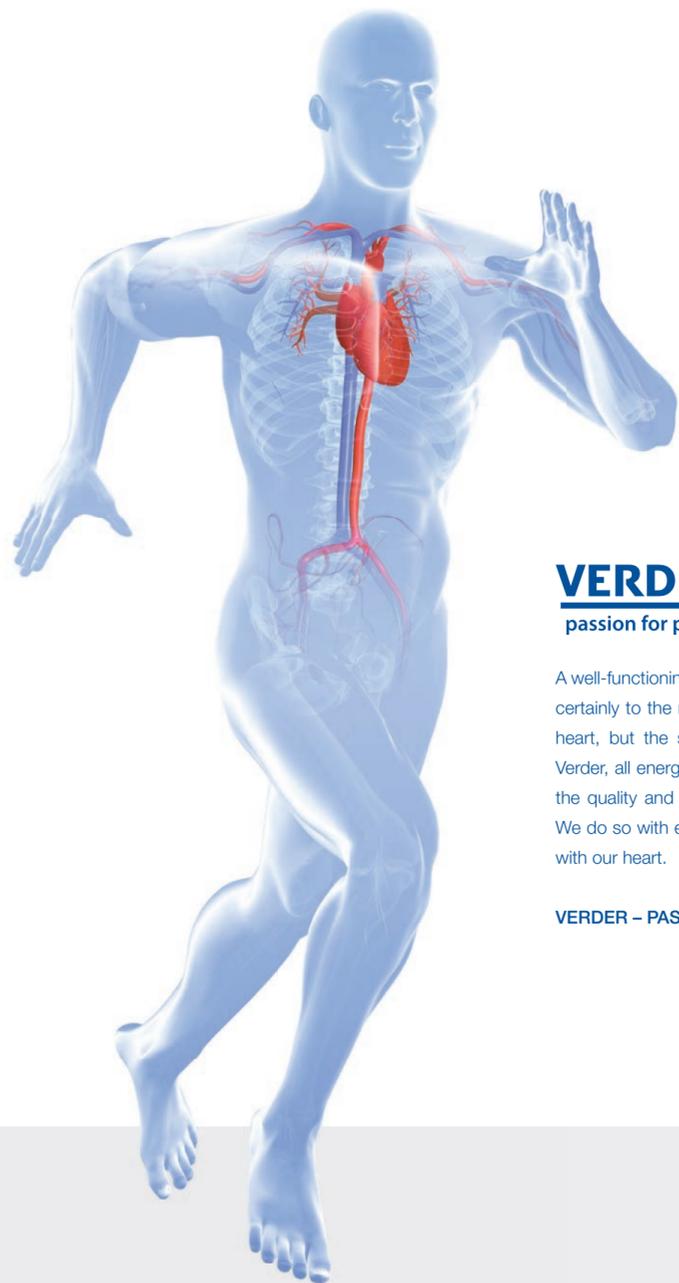
- Large diameter rotor
- USB Interface for Pump Back Up and Job Transfer
- IP66 / NEMA 4X
- Tube Burst Detection
- Multi Level Passwords
- Tube connections

Standard Pressure Versions:

- Loose Tubing
- Quick Release
- Tri Clamp

Medium & High Pressure Options:

- Quick Release
- Tri Clamp



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