

VERDERFLEX®

*The green
peristaltic pump*

The Verderflex® peristaltic OEM Pump range

Verderflex's range of OEM peristaltic pump assemblies offer both design engineers and their production teams cost effective performance and reliability matched to their specific requirements. Our OEM Product Range offers a selection of custom pump designs, motor options and tubing. The Verderflex OEM range can be configured into an optimal solution for any OEM pump requirement.

Applications

- Air conditioning
- Cleaning
- Chemical dosing
- Condensate removal
- Sampling systems
- Industrial lapping
- Laboratories and analysis
- Laundries
- Medical equipment
- Pools
- Refrigeration

Verderflex® M045

The Verderflex® M045 is a proven 2 roller, low flow rate OEM pump with a range of AC or DC motor power and speed options. It is ideal for applications with options for speed and flow rate variations.

Technical details

Flow rate	< 60 ml/min
Discharge pressure	< 2 bar
Tube WT	1.6 mm
Tube ID	≤ 4.0 mm
Motor Power Options	12V DC, 24V AC or DC, 230V AC

Verderflex® M025

The Verderflex® M025 pump head has a flip top front cover for ease of tube loading and is supplied with DC motors for application requiring a higher flow rate than the M045.

Technical details

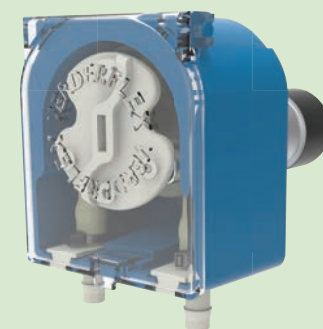
Flow rate	< 260 ml/min
Discharge pressure	< 2 bar
Tube WT	1.6 mm
Tube ID	≤ 4.8 mm
Motor Power Options	12V or 24V DC

Verderflex® VP2-B and VP2-R

The Verderflex® VP2-B is an entry level fixed flow tube pump with Santoprene or Silicon tube options. The Verderflex VP-2R has manual flow rate regulation via an adjustable trimmer.

Technical details

Flow rate	< 333 ml/min
Discharge pressure	< 1 bar (Verderprene) 3 bar (Silicone)
Speeds	10 - 40 rpm
Motor power	230V, 50-60 Hz



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Verderflex® Mini Load

The “Flip Top” Verderflex® Mini-Load pump head uses a patented ‘snap-in’ tube clamp technology to match OEM assembly requirements and eliminate user confusion. Available in standard and double head options.

Technical details

Flow rate	< 356 ml/min
Tube WT	1.6 mm
Tube ID	≤ 4.8 mm
Motor power options	24V DC brushed or brushless, optionally Steptronic precision drive
Features	Compact design with quick release tube head



Verderflex® M500

The Verderflex® M500 is a widely used classic OEM pump module with DC or AC motor options that provides speed and flow rate variations.

Technical details

Flow rate	< 730 ml/min
Discharge pressure	< 2 bar
Tube WT	1.6 mm
Tube ID	≤ 4.8 mm
Motor power options	12V DC, 24V DC, 24 V AC, 230V AC



Verderflex® M60

The Verderflex® M60 is an OEM pump module with a snap on tube cartridge with DC or AC motor options designed for high volume OEM requirements

Technical details

Flow rate	< 990 ml/min
Discharge pressure	< 2 bar
Tube WT	1.6 mm
Tube ID	≤ 6.4 mm
Motor power options	24V DC brushed or brushless, optionally Steptronic precision drive

Verderflex® EZ

The Verderflex® EZ head is a higher flow “flip top” pump head with an easy tube change system and can be stackable for multi head options. Available in permanent and brushless D.C. motor options or the Steptronic precision drive for speed/flow rate variations.

Technical details

Flow rate	< 1.26 l/min
Discharge pressure	< 2 bar
Tube WT	1.6 mm
Tube ID	≤ 8.0 mm
Motor Power Options	12/24V DC brushed or brushless, optionally Steptronic precision drive
Features	Quick release tube head Optional 2 channel stacked heads version

Verderflex® M2000

Higher flow rate version of the original patented M1000 cartridge pump for easy tube changeover using auto-clavable cartridges.

Technical details

Flow rate	< 1.9 l/min
Discharge pressure	< 2 bar
Motor power	24V DC
Standard speeds	85rpm, 125rpm and 176rpm

Verderflex® M1500

The Verderflex® M1500 is a high flow OEM pump with a robust polycarbonate ABS blend casing and normally uses a DC motor option for speed and flow rate variations.

Technical details

Flow rate	< 2.2 l/min
Discharge pressure	< 2 bar
Tube WT	2.4 mm
Tube ID	≤ 8.0 mm
Motor power options	12 & 24V DC & 230V 50Hz



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Verderflex® R3DC

The Verderflex® R3DC peristaltic pump head combines high flow with heavy duty performance for applications requiring reliability, accuracy and high suction lift capacity.

Technical details

Flow rate	< 3.4 l/min
Discharge pressure	< 2 bar
Tube WT	3.2 mm
Tube ID	6.4 mm, 8.0 mm & 9.6 mm
Motor power	24V D.C.



Verderflex® S Series

The Verderflex® S series provides the unique, latching ski boot style tube pump head in a pump head format for OEM customers. There are 4 models, the S10, S20, S30 & S40, for a wide range of flow rates. Special lower pulsation versions are available for the larger head sizes.

Technical details

Flow rate	< 17 l/min
Discharge pressure	< 2 bar
Tube WT	2.4 mm, 3.2 mm & 4.8 mm
Tube ID	≤ 25.4 mm
Motor power	48V D.C.
Features	tube changeover in seconds



Verderflex® Steptronic Drive

The Verderflex® Steptronic is a precision stepper motor drive that provides a cost effective, configurable OEM pump development platform for engineers. It gives design specification flexibility to eliminate early stage project uncertainties due to pumps, drives and control system changes. Speed control can be provided using either a 4-20mA or 0-10V input. Head options include the new VF "Mini-Load", the higher flow rate Verderflex® "EZ" pump heads or the snap on cartridge M60 pump. Options include dual stackable pump heads, IP66 rated special cases and configurable speed range. Verderflex® Steptronic is ideal for higher volume large OEM manufacturing as it provides a precision high resolution drive.

Advantages of Verderflex® Steptronic drive

- Analogue Inputs: 0-10V or 4-20mA
- Panel mount & stand alone enclosed options

Technical details

Speed	< 400 rpm
Speed Accuracy	0.1%
Turn down ratio	4000:1
Control resolution	12 bits