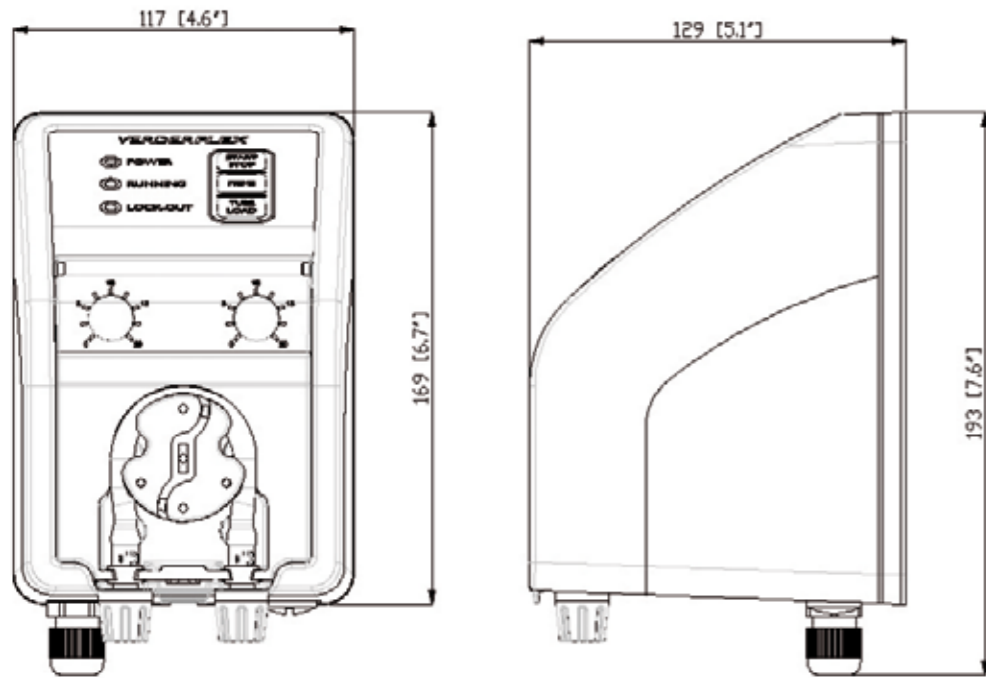
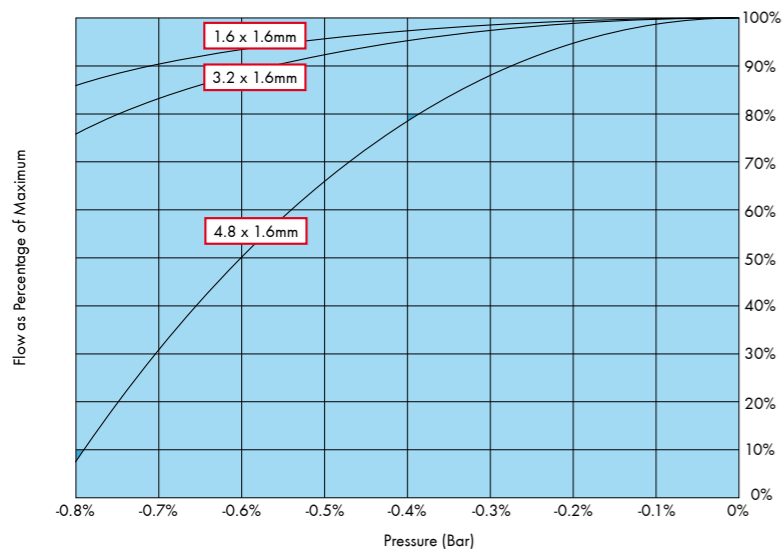


General Arrangement Layout



Suction / Lift Performance Graph



Contact Verderflex

If you would like to know more about verderflex peristaltic pumps then please visit our website www.verderflex.com.

You will find the full breakdown of our pump range as well as application stories, latest news and technical datasheets.

In order to provide you with the very best possible service, verderflex are supported by a distribution network that covers all five continents and is continuing to expand. Our group of distributors includes members of the Verder Group and independant companies. Our worldwide distribution network also help to provide local support and spares availability to our customers.

You can find your local distributor on our website at: <http://www.verderflex.com/Contact>.

VERDER Ltd
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Affiliated companies: A Wien • B Aartselaar • CN Shanghai • CZ Praha • D Haan • F Eragny s/Oise • GB Leeds • H Budapest
JPN Tokyo • NL Groningen/Vleuten • PL Katowice • RO Bucuresti • SA Johannesburg • SK Bratislava • USA Newtown

Tube selection

VERDER has a wide variety of tubes which offer the ideal choice for every application. In our range we offer several standard materials with various diameters and thicknesses. Special tubes are available on request.

Different applications benefit from different tube materials. The following criteria are important when selecting a tube:

- Chemical resistance
- Food grade quality
- Tube life
- Physical compatibility
- Sterilisation capability

The following tube materials are available:

- Verderprene - General purpose
- Silicone - High temperature fluids
- Fluran - Aggressive chemicals

For more information on our range of tubing please refer to our tube selection guide or visit:

www.verderflex.com



VERDERFLEX® AURA

Verderflex® Aura Dosing Pump



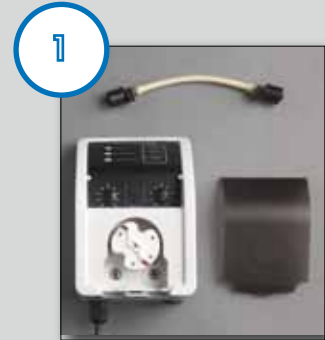
VERDER

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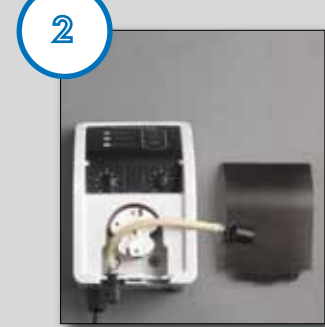
Easy Tube Load Facility

An easy tube load mechanism eliminates the possibility of trapped fingers when loading the tube onto the rollers.

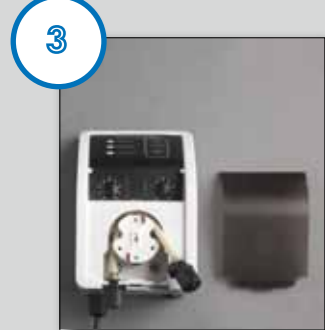
(Front cover removed for photograph)



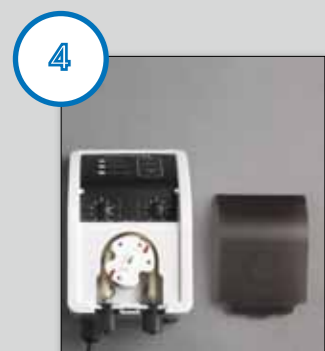
Press PRIME to rotate rotor into correct position.



Insert tube assembly hooking into cut out. Hold the other end across the pump face.



Press TUBE LOAD. Rotor will step intermittently and feed the tube.



Continue to feed tube until it locates into housing slot.

Tube loading could not be simpler

Verderflex® Aura Dosing Pump

The Verderflex Aura is a low flow, high pressure dosing tube pump. Designed to offer high performance in the smallest of packages, this pump is ideal for dosing chlorine in swimming pools, leisure centres and spas.

The small, compact design is unobtrusive and fits ideally within a cosmetic environment.

Peristaltic tube pumps are the ideal dosing pumps due to their natural pumping action. A rotating roller passes along the length of a tube compressing it completely against the pump casing. After the roller passes, the flattened tube regains its round profile creating a vacuum inside the tube which draws in liquid. The second roller maintains the seal between the suction and discharge sides, trapping the medium and pushing it out on the delivery side of the pump.

This continuous and even motion creates accurate and metered dosing.

The pump features an easy to access pump head with a simple to use tube load facility for additional safety. Timed dosing and lock outs functions also ensure that the correct dose is always supplied with no possibility of overdosing.

The pump can deliver up to 79 ml/min or 0.02 US GPM and at lower flow rates, pressures up to 4 bar or 58 PSI.

Verderflex® Aura - The relaxing way to dose

Flip up lid contains a transparent section so turning rotor is visible

Flip up lid, latched to prevent accidental opening

Dosing timer

Safety lockout timer

Both timers have removable tamper evident plugs with screwdriver slot adjustment, preventing unauthorised adjustment.



Pump Features

- Start/Stop button
- Fixed speed timer control
- Timed dose (up to 20 mins.)
- Timed lock out period (up to 20 mins.)
- Priming function
- Easy tube load facility
- 2 roller rotor
- Embossed 3 button overlay
- LED's and electroluminescent lighting
- Easy to see colour indicators
- IP66 enclosure
- Pressure range 0 - 4 bar (58 PSI)
- Flow rate 0 - 79 ml/min (0.02 US GPM)



Verderflex Aura Technical Overview

Function	Detail
PCB	Microprocessor Controlled Timer Circuit
Power supply	230 VAC 50Hz 15W (110V version available to special order)
Input Signals	12-24VDC (initiate dose)
	230VAC (initiate dose)
	Volt free contacts (initiate dose)
Indicators	Power on (green)
	Dosing in progress lamp (green)
	Controls Locked out (red)
Connectors	6 x 4mm and 8 x 5mm
Keypad	Embossed 3 button overlay with Led's and Electroluminescent lighting
Motor	220V 50Hz a.c. Synchronous 50 RPM
Gearbox	Planetary (7.5 Ratio)
Torque	0.46Nm
Working temp:	5 - 40 °C
Enclosure	IP66 / NEMA 4
Pump Head	R25, 2 roller rotor

Tube ID x Tube WT (mm)	Flow (l/hr)	Flow (ml/min)	Flow US GPM	Max Pressure (Bar)	Max Pressure (PSI)
1.6 x 1.6	0.70	11.8	0.003	4	58
3.2 x 1.6	2.56	42.6	0.01	2.5	36.3
4.8 x 1.6	4.82	80.3	0.02	1.8	26

- Performance is based on 50Hz power supply giving 50 rpm pump speed
- When run on 60 Hz power, flows will be 20% higher as pump will run at 60 rpm

Unique features

■ Rapid Priming

The Verderflex Aura includes a rapid priming function used to prime the dosing circuit as long as the PRIME function is held down.

- Simplifying dosing chemical container changeover.

- Reduces dosing system downtime



■ Safety First

Users can rest assured that the Verderflex Aura is safe and easy to use.

- Easy to see LED indicators show at a glance if the pump is running or locked out.

- Lockout function disables the pump for up to 20 minutes. Eliminating the possibility of overdosing.

- Tamper evident plugs prevent unauthorised adjustment.