



VERDERFLEX®

VERDERFLEX OEM

Any questions? You may still have questions and/or comments after reading this brochure. Please feel free to contact us on +44 (0)1924 221 020 You can also respond via email to info@verderflex.com. For more information about Verderflex please visit our website www.verderflex.com

M1000 Pumps



VERDERFLEX®

VERDERFLEX
 Unit 3, California Drive, **TEL** +44 (0)1924 221 020
 Castleford WF10 5QH **FAX** +44 (0)113 222 0291
 United Kingdom **MAIL** info@verderflex.com
WEB www.verderflex.com

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M1000.EN.0211

VERDER
 passion for pumps

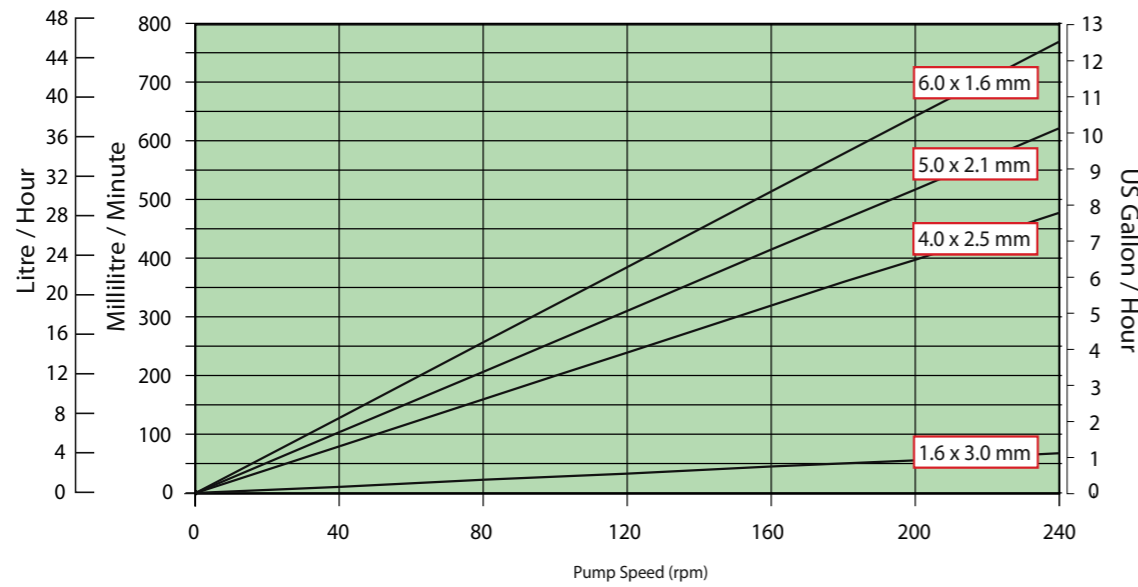
M1000

The original patented cartridge design for dosing and flow control with quick tube change and autoclavable cartridges.

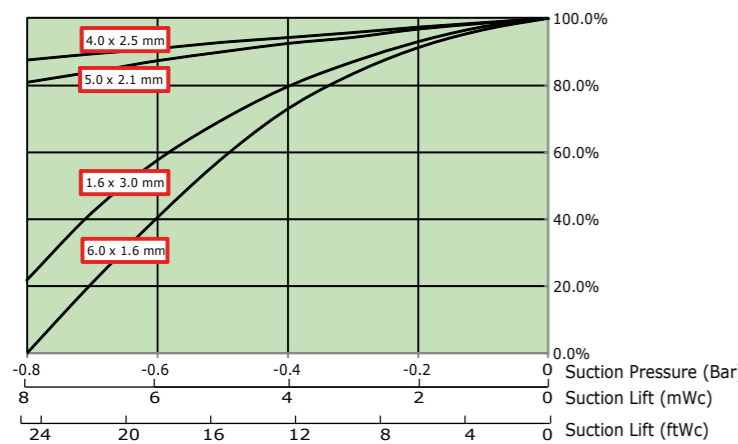
- Flow rates up to 768 ml/min (12.1 US GPH)
- D.C. motor option provides speed/flow rate variations
- Typically used in:
Dairy processing,
Water treatment
Dosing applications
Medical



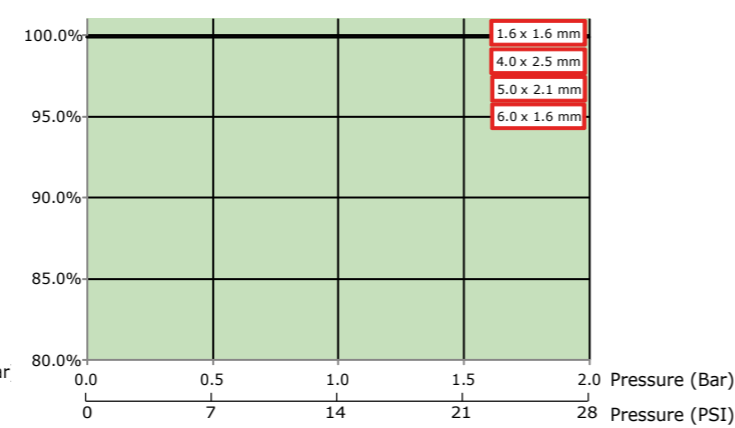
M1000 Free Flow Curve



Suction



Discharge



Flow rates with water at 20°C (68°F)

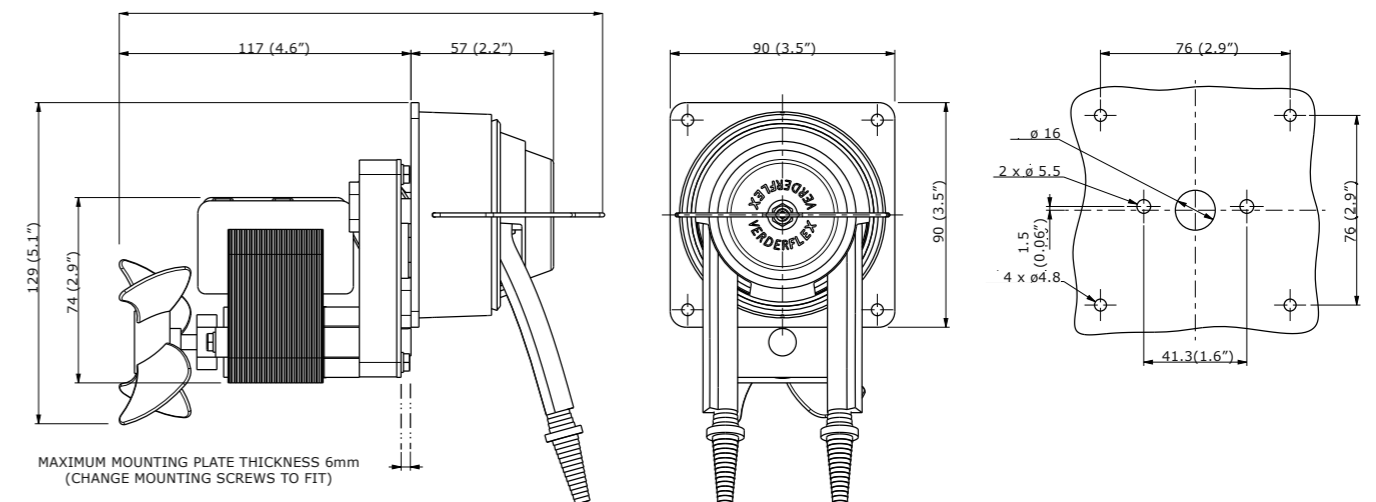
Technical Overview

Function	Detail
Pump head	Black polycarbonate with support bearing and mounting plate
Motor	Asynchronous shaded pole motor with thermal protection and cooling fan. Spur gearbox
Rotor	Polycarbonate, 316 stainless steel inserts with three Nylatron rollers
Options	D.C. motor
Power Supply	12/24V D.C. 20W or 110V, 220V and 240V 50/60Hz 200W
Tube	Verderprene and Silicone
Tube Sizes	1.6 x 1.6mm, 4.0 x 1.6mm, 5.0 x 1.6mm and 6.0 x 1.6mm
Weight	1.6 kg (3.5 lb)

Tube Size Options

Tube (ID x WT)	20 RPM	65 RPM	85 RPM	176 RPM	240 RPM
1.6 x 3.0 mm (1/16" x 9/50")	5.6 ml/min 0.37 l/hr 0.09 GPH	18.2 1.1 0.3	23.8 1.4 0.4	49.3 2.9 0.8	67.2 4.0 1.1
4.0 x 2.5 mm (5/32" x 1/10")	40.0 ml/min 2.4 l/hr 0.63 GPH	130.0 7.8 2.1	170.0 10.2 2.7	352.0 21.1 5.6	480.0 28.8 7.6
5.0 x 2.1 mm (1/5" x 2/25")	52.0 ml/min 3.12 l/hr 0.90 GPH	169.0 10.1 2.7	221.0 13.2 3.5	457.6 27.5 7.3	624.0 37.4 9.9
6.0 x 1.6 mm (15/64" x 1/16")	64.0 ml/min 3.84 l/hr 1.01 GPH	208.0 12.5 3.3	272.0 16.3 4.4	563.2 33.8 8.9	768.0 46.1 12.2

General Arrangement Drawing and Mounting Positions



All dimensions in millimetres and inches