

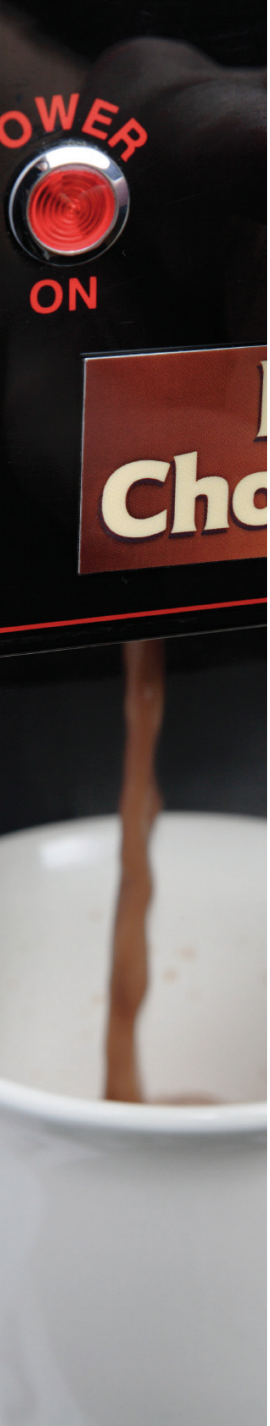


VERDERFLEX OEM

**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](mailto:info@verderflex.com). For more information about Verderflex please visit our website [www.verderflex.com](http://www.verderflex.com)

M045 Pumps





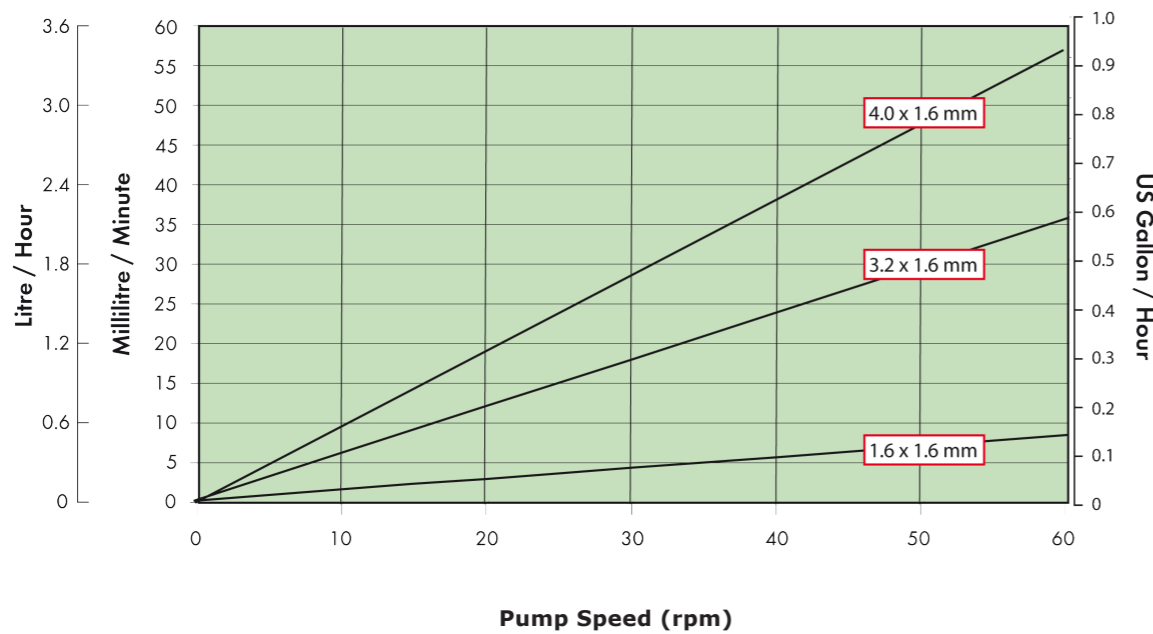
# M045

Proven 2 roller design for low flow A.C. or D.C. applications.

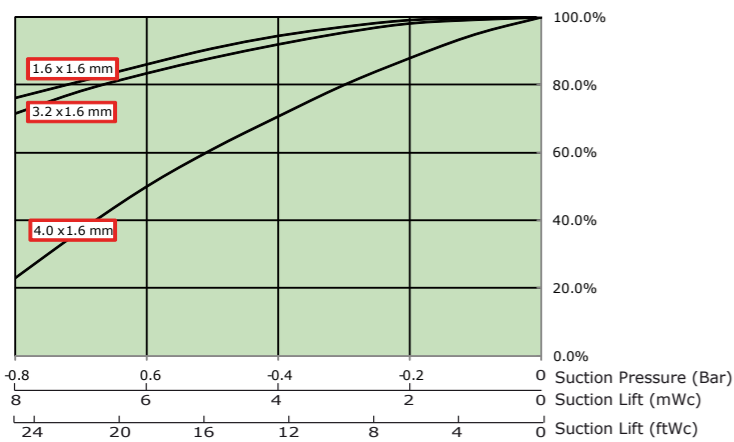
- Flow rates up to 60 ml/min (0.9 US GPH)
- D.C. motor options provides speed/flow rate variations
- Typically used in:
  - Chemical dosing including sterilising solutions
  - Sampling
  - Analysis



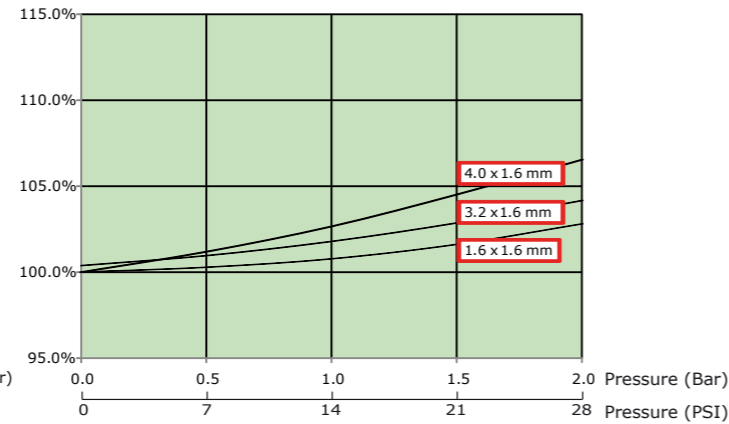
M045 Free Flow Curve



Suction



Discharge



Flow rates with water at 20 °C (68 °F)

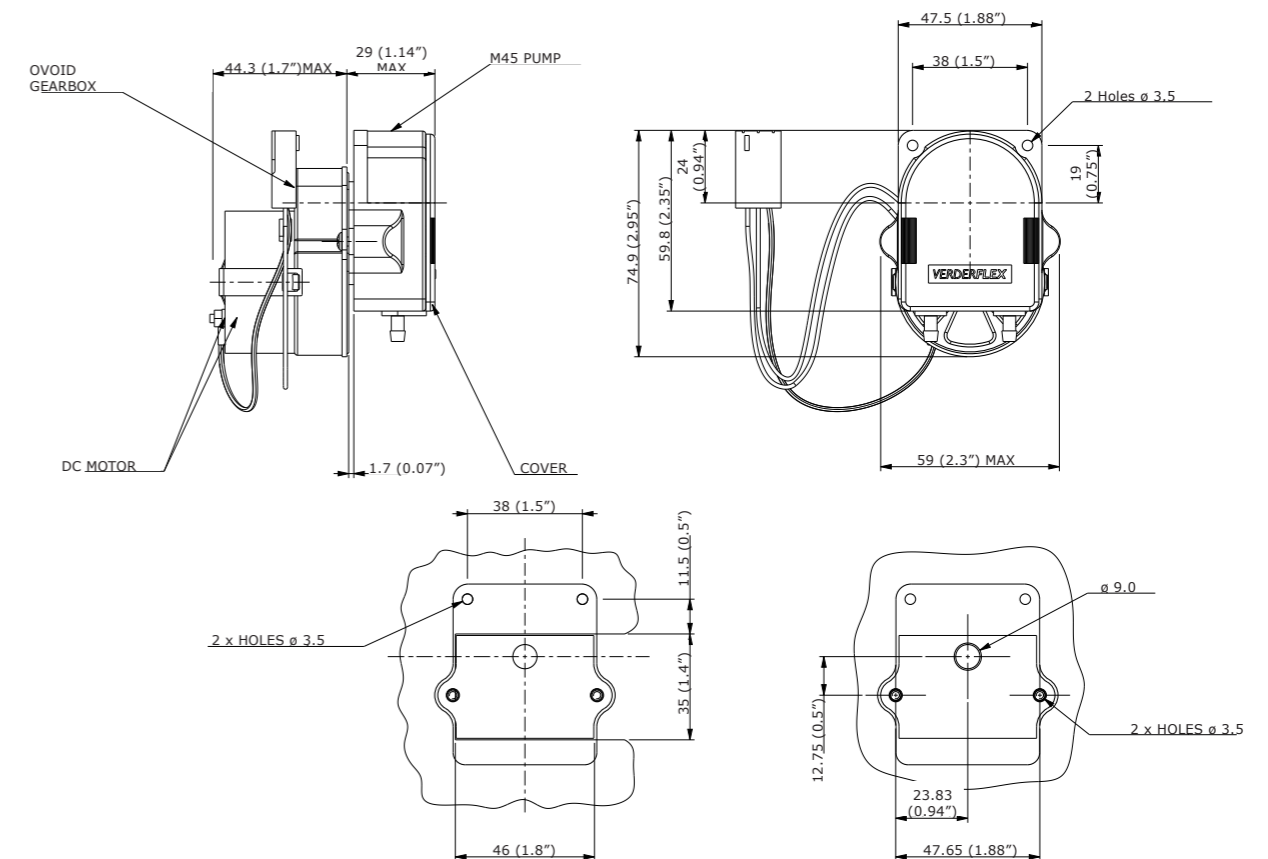
## Technical Overview

Function	Detail
Pump head	Blue cycloloy as standard or optional noryl (grey)
Motor	Permanent magnet with spur gearbox
Rotor	2 x Nylatron rollers
Options	3 roller option
Power Supply	12/24V D.C. 3.6W or 110V 60 Hz / 230V 50 Hz 20W
Tube	Verderprene, Silicone, Viton® and Tygon®
Tube Sizes	1.6 x 1.6mm, 3.2 x 1.6mm, 4.0 x 1.6mm
Weight	0.2 kg (0.4 lb)

## Tube Size Options

Tube (ID x WT)	10 RPM	20 RPM	30 RPM	40 RPM	60 RPM
1.6 x 1.6 mm (1/16" x 1/16")	1.4 ml/min 0.08 l/hr 0.02 GPH	2.8 0.2 0.04	4.2 0.3 0.07	5.6 0.3 0.09	8.4 0.5 0.13
3.2 x 1.6 mm (1/8" x 1/16")	6.0 ml/min 0.36 l/hr 0.10 GPH	12.0 0.7 0.2	18.0 1.1 0.3	24.0 1.4 0.4	36.0 2.2 0.6
4.0 x 1.6 mm (5/32" x 1/16")	10.0 ml/min 0.6 l/hr 0.16 GPH	20.0 1.2 0.3	30.0 1.8 0.5	40.0 2.4 0.6	60.0 3.6 0.9

## General Arrangement Drawing and Mounting Positions



All dimensions in millimetres and inches