

Verder

Steptronic EZ Head Peristaltic Pump

Flow Rate to 1310 ml/min, Stepper Motor Drive

DESCRIPTION

The Steptronic EZ Head is a cost effective single source solution giving all users from design engineers to large OEM manufactures maximized performance and reliability. Steptronic EZ Head reduces downtime and eliminates the design uncertainty and risks associated with the separate specification of pumps, drives and control systems.

FEATURES

- Quick release, compact tube head
- 4000:1 turn down
- 0.1% speed accuracy
- Programmable speed range
- Built in electronic controller

SPECIFICATIONS

GENERAL

Pump Head: Polyamide (One pump head standard, two pump head option available)

Motor: High resolution, 12 bit stepper drive, 12-36V range DC 20W
Variable Speed - 0.001 to 250 RPM

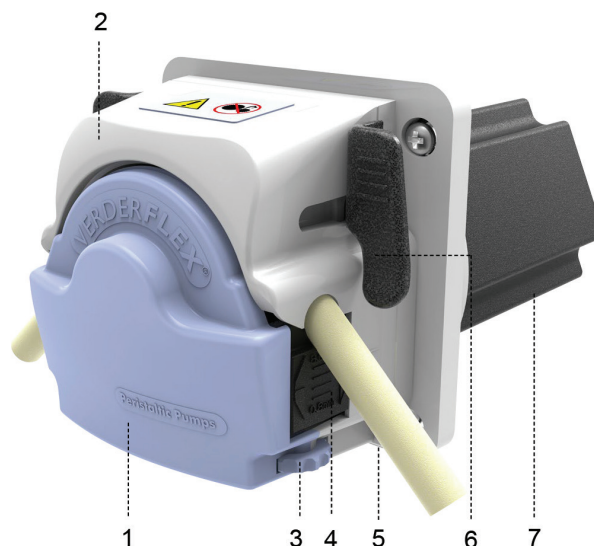
Analog Flow Control: 0-10Vdc (13Vdc Max), scaleable 4-20mA (27mA Max)

Rotor: 3 Roller

Tube: Verderprene, Silicone, Viton® and Tygon®

Tube Sizes: 0.8 x 1.6 mm, 1.6 x 1.6 mm, 3.2 x 1.6 mm, 4.8 x 1.6 mm, 6.4 x 1.6 mm, 8.0 x 1.6 mm; Tube clamps for the different tube sizes included

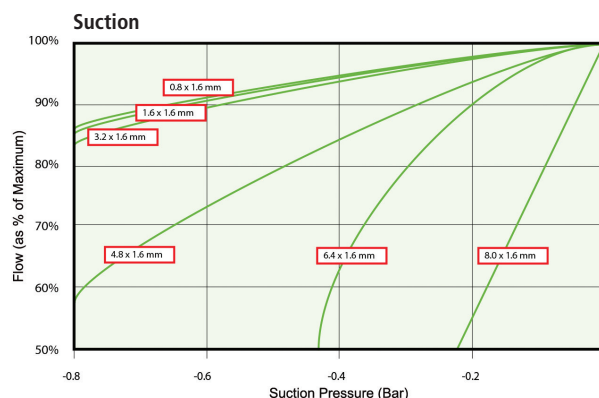
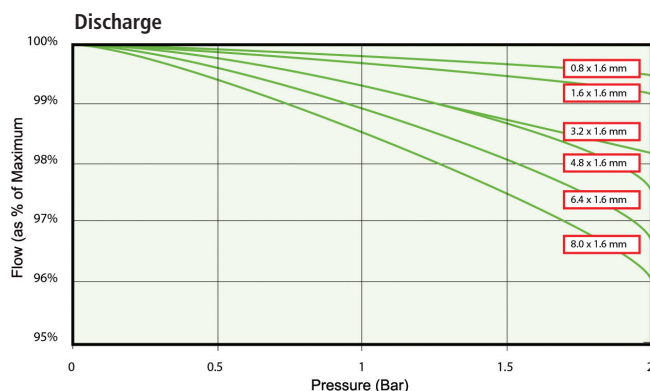
Weight: 2.0 kg (Cased Option - 2.73 kg)



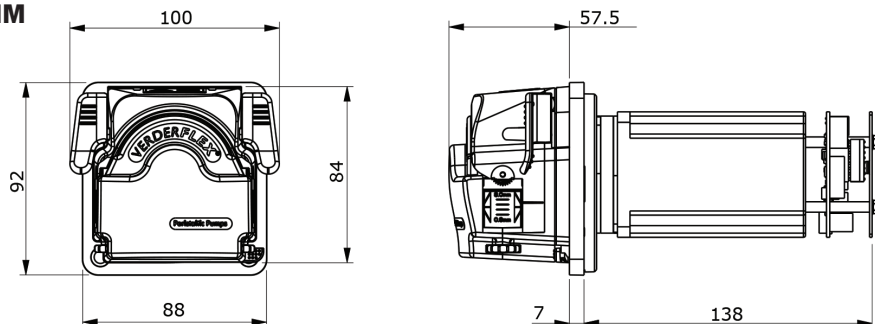
1	Front Cover
2	Tube Saddle
3	Variable Tube Clamp
4	Tube Clamp Assembly
5	Pump-head Release Lever
6	Lugs
7	Stepper Motor

Typical Flow Rates		
Tube (ID x Wall)	RPM	*Flow (ml/min)
0.8 x 1.6 mm	0-250	0-19
1.6 x 1.6 mm	0-250	0-70
3.2 x 1.6 mm	0-250	0-268
4.8 x 1.6 mm	0-250	0-588
6.4 x 1.6 mm	0-250	0-938
8.0 x 1.6 mm	0-250	0-1310

*Flows measured with water at 20°C with no suction lift or discharge pressure



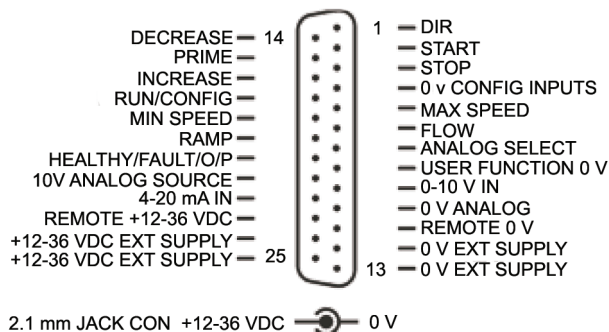
DIMENSIONS (MM)



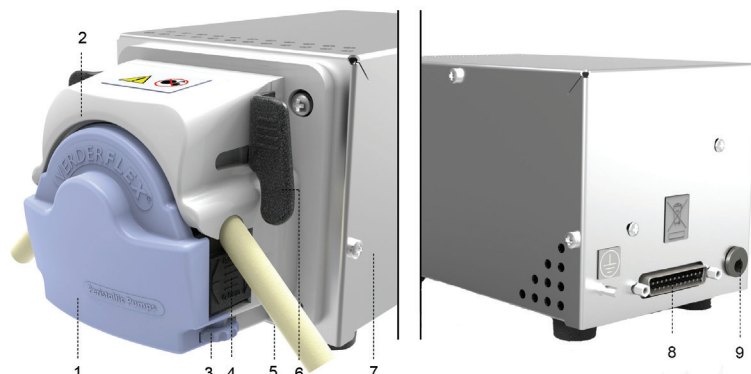
WIRING

PIN	Description	PIN	Description
1	Direction	14	Speed Decrease
2	Start	15	Fast Prime
3	Stop	16	Speed Increase
4	0 V Config Inputs	17	Select Run/Config. Mode
5	Config. Max. Speed	18	Config. Min. Speed
6	Flow Scaling Select	19	Config. RAMP Speed
7	Analog Select (0-10 V or 4-20 mA)	20	Healthy/Fault Indicator
8	User Function 0 V	21	10 V analog Source
9	0-10 V In	22	4-20 mA In
10	0 V analog	23	Remote Power 12-36 V
11	Remote Power Return (0 V)	24	12-36 VDC Ext. Supply
12	0 V EXT Supply (Earth)	25	12-36 VDC Ext. Supply
12	0 V EXT Supply (Earth)		

Connection/Control Pin Out



STEPTRONIC EZ HEAD CASED VERSION



1	Front Cover
2	Tube Saddle
3	Variable Tube Clamp
4	Tube Clamp Assembly
5	Pump-head Release Lever
6	Lugs
7	Pump Body
8	25 way D-sub
9	Power Socket
10	Earth Connector

ORDERING INFORMATION

Model Number	Description
162.1001	Steptronic EZ Head Pump
162.1043	Cased Steptronic EZ Head Pump
AU T0016 SLT 25	5 Meters Silicone 0.8 mm ID x 1/16 mm WT Tubing
AU T0016 SLT 12	5 Meters Silicone 1.6 mm ID x 1/16 mm WT Tubing
AU T0016 SLT 16	5 Meters Silicone 3.2 mm ID x 1/16 mm WT Tubing
AU T0016 SLT 02	5 Meters Silicone 4.8 mm ID x 1/16 mm WT Tubing
AU T0016 SLT 03	5 Meters Silicone 6.4 mm ID x 1/16 mm WT Tubing
AU T0016 SLT 04	5 Meters Silicone 8.0 mm ID x 1/16 mm WT Tubing

Model Number	Description
AU T0016 SAT 24	5 Meters Verderprene 0.8 mm ID x 1/16 mm WT Tubing
AU T0016 SAT 07	5 Meters Verderprene 1.6 mm ID x 1/16 mm WT Tubing
AU T0016 SAT 08	5 Meters Verderprene 3.2 mm ID x 1/16 mm WT Tubing
AU T0016 SAT 01	5 Meters Verderprene 4.8 mm ID x 1/16 mm WT Tubing
AU T0016 SAT 03	5 Meters Verderprene 6.4 mm ID x 1/16 mm WT Tubing
AU T0016 SAT 04	5 Meters Verderprene 8.0 mm ID x 1/16 mm WT Tubing
Contact us for additional tubing options	