

Stranco[®] Metering Pumps

EzeTube[™] PP/PP-E

Introduction

The EzeTube[™] PP/PP-E series of low-pressure peristaltic pumps offers the market up to 1.5 bar for demanding metering duties. In potable and pool water applications as well as in the food and chemical industries, this product range provides a well-balanced scope of capacities combined with excellent accuracy and chemical resistance. The EzeTube[™] peristaltic pump features a rotating positive displacement system driven by proven DC motor with additional torque availability. With the variety of models available, these peristaltic metering pumps are well-suited for a wide variety of applications with capacities from 8 - 4000ml/h.

Technical Information

The EzeTube[™] PP/PP-E micro-processor controlled peristaltic metering pumps with speed control were designed for metering liquid and aggressive media. They are characterised by their compact and user-friendly design. High quality materials of construction and components (for example, the gearbox with double bearings) ensure long service life.

The EzeTube[™] PP/PP-E series of self-priming peristaltic pumps have a closed-loop speed control. This means that the rotor speed and, as a result, the feed rate is maintained exactly at the pre-set value, independent of the condition of the hose, viscosity, suction height, variations in temperature, mains voltage and pressure within the specific range.

Due to its unparalleled low noise level and its IP65 enclosure, the EzeTube[™] PP/PP-E series of pumps is perfectly suited to laboratories and humid ambient conditions.

With the EzeTube[™] PP model pump discontinuous pulse operation is enabled by switching the supply voltage on/off. In addition, an integral dosage potentiometer allows infinitely variable feed rate control.

Key Benefits

- Reliable metering of the smallest quantities
- Self-priming
- Quick and simple replacement of hose
- Closed-loop speed control by DC motor
- Double ball bearings for gearbox
- No contact of liquid with pump components
- Suitable for continuous operation
- Enclosure IP65
- Prevention of back flow
- Low maintenance
- Compact design



Product Sheet

Technical Information (continued)

The optional EzeTube™ PP-E model pump features automatic control via a volt-free control input or a 4..20 mA input.

Both the ON/OFF and the quick-priming keys add to the ease of operation.

Visual indication of operation and tank-empty status are displayed using luminous diodes. Another feature is the optional connection of a dip tube with an integral tank-empty probe. The tank-empty signal can be transmitted via a volt-free relay output contact.

Materials of Construction

Housing:	ABS
Hose clamp:	PP, reinforced glass fibre
Pump rotor:	PP, reinforced glass fibre
Pump housing:	PP, reinforced glass fibre
Rollers:	PVDF
Springs:	Spring steel, corrosion-protected / Hastelloy® C
Shafts:	Stainless steel 1.4305
Hose connectors:	PVDF (wetted parts)
Hose:	Pharmed

Technical Data

Back Pressure:	max. 1.5 bar
Suction Lift:	max. 2 m
Duty Cycle:	100%
Rotor Speed:	max. 45 min. 1
Ambient Temperature:	5...55°C
Enclosure:	IP65
Hose Connectors:	i.d. 4 x o.d. 6 mm
Dimensions (W x H x D):	95 x 175 x 130 mm
Weight:	approx. 1.25 kg
Power Supply:	230 V AC (±10 %), 50/60 Hz
Power Consumption:	max. 15 VA
Enclosure:	IP65
Fuse:	100 mA, semi time-lag

Spares & Accessories

Corresponding feedrate kits and spares are available for every EzeTube™ PP/PP-E model pump for prompt and quick maintenance. An engineered range of accessories completes the EzeTube™ PP/PP-E series of pumps.

Capacity Ranges

	Feed rate [ml/h]
Pump hose 150	8...150
Pump hose 600	15...600
Pump hose 2000	45...2000
Pump hose 4000	150...4000

Variable features

	VPP	VPP-E
2 m cable with mains plug	x	x
Adjustable feed rate (via potentiometer)	x	x
ON/OFF key		x
Quick priming key		x
Unpowered control input (selectable) or Analogue input 4...20 mA (selectable)		x
Connection for dip tube with tank-empty probe		x
Tank-empty output (unpowered)		x
Pump ON indicator		x
Tank EMPTY indicator		x

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