Peristaltic Metering Pump DULCO flex Control

A peristaltic pump that brings together the best qualities of ProMinent metering pumps.



Feed rate of 10 ml/h to 30 l/h at up to 7 bar back pressure

The new DULCO flex Control meters reliably and is simple to operate. It enhances the ProMinent product range with an intelligent peristaltic metering pump. ProMinent is making use of its decades-long experience in the metering pump sector to bring together the best of two worlds. Valve-free metering with the accuracy of a diaphragm metering pump, with full use of the properties of a peristaltic pump. The applications of this metering pump include gaseous, high-viscosity, abrasive, shear-sensitive or chemically aggressive fluids.

The dosing head, developed and patented by ProMinent, makes a quick, unique and straightforward tube replacement possible. The display provides the Service Technician with precise instructions about the steps to be completed when replacing the tube. The high-performance tube used is made from a thermoplastic vulcanisate (TPV) and guarantees exceptional chemical resistance and long service life.

The order information required for the replacement of the tube can be found on the pump's operating menu.

The intuitive user interface with clickwheel ensures the simple operation of the peristaltic pump.

A brushless DC motor forms the heart of the DULCO flex Control. Its ingenious control provides for precise metering and reduced pump capacity with continuous metering up to 10 ml/h. What's more, the new peristaltic metering pump is IoT-enabled, meaning that it is fully connectible and can be connected to ProMinent's in-house developed DULCOnneX platform, which enables it to work even smarter.

Your benefits

- Adjustment of the metering rate directly in l/h or gph
- Simple tube change
- No problems with very gaseous media or air locks
- Suitable for viscosities of up to 10,000 mPas
- Sole contact with media in the tube
- Many different control options, such as using an analogue 0/4-20 mA signal, contact controller or via process control systems

Field of application

- Potable water and waste water treatment
- Food and beverage industry
- Paper industry
- Chemical industry
- Chemical distributors
- Electroplating
- Swimming pools

All industrial applications, either as a stand-alone unit or integrated in a complete system.

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Technical Data

Type	Delivery rate at max. back pressure		Max. speed	Connector size	Suction lift	Intake head	Shipping weight
	bar	l/h	rpm	o Ø x i Ø	m WC	m WC	kg
0730	7	30	100	12 x 9	9	9	5.8
0530	5	30	100	12 x 9	9	9	5.8

Tube material:	Thermoplastic vulcanisate (TPV)
Tube connectors:	PVDF/PTFE
Metering reproducibility:	±2% with retracted tube (after approx. 200 revolutions)
Electrical connection:	100 - 230 V ±10%, 50/60 Hz
Nominal power:	approx. 45 W
Degree of protection:	IP 66, NEMA 4X Indoor
Permissible ambient temperature:	0 … 45 °C

All data refers to water at 20 °C.

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ProMinent Group
info@prominent.com
www.prominent.com