

Peristaltic metering pump DULCO flex Control - DFYa

The peristaltic pump DULCO flex Control - DFYa combines the properties of top products from the ProMinent product range



Feed rate of 5.1 l/h to 410 l/h at up to 8 bar back pressure

The new metering pump DFYa, the big brother of the DFXa, adds an intelligent peristaltic pump to the top capacity range of the ProMinent portfolio.

The new generation of peristaltic metering pumps is now controlled electronically. It meters without the need for a valve, with precision hitherto impossible. All the benefits of a peristaltic pump are retained, which is why seriously gaseous, high-viscosity, abrasive or shear-sensitive fluids, sometimes containing particles, can also be perfectly metered with the DFYa.

As with the DFXa, hose replacement on the DFYa is also assisted by the pump. When the hose needs to be changed, the pump displays exact instructions for the steps to be

followed and automatically moves into the correct positions for hose replacement. The different hose materials (NR, NBR, NBR-A, EPDM Hypalon) enable the DFYa to work with a very wide range of media to be metered.

The peristaltic pump DFYa is simple to operate from the intuitive user interface with 4 keys and the click wheel. The DFYa thus joins the remaining ProMinent product range of intelligent metering pumps, which all share the same menu structure and user interface.

The new peristaltic metering pump is even IoT-capable. This means that it is fully connectible and can be connected to ProMinent's in-house developed DULCOOnneX platform, which enables it to work even smarter.

Your benefits

- Operation by contact, batch, manual, analogue or BUS control
- Adjustment of the metering rate directly in l/h or gph
- Connection to process control systems via a BUS interface, such as PROFIBUS®, Profinet or CANopen
- No problems with very gaseous media or air locks
- Simple, menu-guided hose change
- Reversible direction of rotation

Field of application

- Mining
- Potable water and waste water industry
- Chemical industry
- Paper industry
- Food and beverage industry

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

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Technical Data

Type	Maximum back pressure bar	Pump capacity	Max. speed rpm	Suction lift m WC	Intake head m WC
08410	8	410 l/h ± 10 %	80	8	8
04410	4	410 l/h ± 10 %	80	8	8
02410	2	410 l/h ± 10 %	80	8	8

Hose material:	NR, NBR, EPDM, NBR-A, Hypalon
Self-priming:	Up to 8 m
Rollers/shoes:	Rollers
Metering reproducibility:	±2% with retracted hose after 500 revolutions
Electrical connection:	100 – 230 VAC ± 10 % 50/60 Hz
Electrical power consumption:	Max. 400 W
Degree of protection:	IP 55
Weight:	30 kg
Permissible ambient temperature:	0 ... 45 °C

All data refers to water at 20 °C.