

Peristaltic pump DULCOFLEX DFXa

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



DULCOFLEX DFXa meters outgassing, viscous, abrasive or shear-sensitive media and is setting new standards in metering. Linear and reproducible metering ($\pm 1\%$) is guaranteed with this peristaltic pump under all process conditions. Hose replacement is a very simple process.

Technical Details

- Illuminated 3" LCD and 3-LED display for operating, warning and error messages, visible from all sides
- Adjustable feed rate of between 65 l/h and 10 ml/h
- Connector for 2-stage level switch or continuous level measurement
- 3 additional freely configurable inputs and outputs on one port
- Optional 0/4–20 mA output for remote transmission of actual dosing rate and error messages
- Optional relay module with 1 x switch-over contact, 230 V – 8 A
- Optional relay module with 2 x On, 24 V – 100 mA
- Pump is available as an FDA design
- DULCONNEX-capable
- Connection to process control systems via fieldbus interfaces, such as PROFIBUS®, PROFINET, CANopen or Modbus RTU
- CIP (cleaning in place)-enabled system
- Reverse flow is possible



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Technical Data

Type	Maximum back pressure	Delivery rate	Frequency	Connector size	Suction lift	Shipping weight
	bar		rpm	outer Ø x inner Ø	m WC	kg
0530	5	10 ml/h...30 l/h	100	12 x 9	9	5.8
0730	7	10 ml/h...30 l/h	100	12 x 9	9	5.8
0365	3	22 ml/h...65 l/h	100	12 x 9	9	5.8
0565	5	22 ml/h...65 l/h	100	12 x 9	9	5.8

Hose material: Thermoplastic vulcanisate (TPV), polyurethane (PUR), SEBS

Hose connectors: PVDF/PTFE

Metering reproducibility: ±1% with retracted hose (after approx. 200 revolutions)

Electrical connection: 100 - 230 V ±10%, 50/60 Hz

Nominal power: approx. 50 W

Degree of protection: IP 66, NEMA 4X Indoor

Permissible ambient temperature: 0 ... 45 °C

Viscosities: The DFXa0530VPT and DFXa0565VPT have successfully metered viscosities of up to 200,000 mPas in testing. If metering media with higher viscosities, it is important that you use solid pipework with a large diameter (DN 10). The pipes should also be as short as possible. Also do not allow the pump to run at full output.

All data calculated with water at 20 °C.