VERDERFLEX
Ds500

Description

The Verderflex Ds500 is an industrial peristaltic pump designed for metering, dosing and transfer (fluid/chemical) with a focus on accuracy and minimum downtime, at pressures of up to 7 bar(g).

Your benefits

- Accurate flow performance from 0.1 to 500 ml/min. and pressures of up to 7 bar(g).
- Space saving footprint with secure mounting for easy integration into pump systems.
- Maximum working time/minimum downtime with tool free cartridge changes in situ.
- Minimal fluid 'live' containment ensures user safety and reduced clean up requirement.
- Repeatability of up to ±1% accuracy with reduced pulsation flow.
- No valves - non clogging, no degassing required, abrasion resistant.
- Full colour 4.3" TFT touchscreen.

Technical data

Supply voltage	*100-240V 50/60Hz AC*	*Ambient operating temperature*	*4 - 45°C*
Flow range	*0.1 - 500 ml/min*	*Max. temperature of pumped medium*	*70°C*
Speed range	*0.01 - 65 RPM*	*Noise level*	*< 70dB(A) @1m*
Max. discharge pressure	*7 bar(g)*	*IP rating*	*IP66, NEMA Type 4X*
Max. discharge speed adjustment range	*5000:1*	*Humidity*	*5-95% RH (non-condensing)*
Weight (inc. pump head)	*7.3kg*	*4-20mA resolution*	*1600:1*

Materials

Description	Materials
Pump housing	*20% GF PPE/PS (Polyphenyl Ether + Polystyrene), Stanyl®*
Drive shaft	*PA6 (nylon)*
Pump head	*20% GF PPE/PS + PA6 + Polypropylene*
Screen guard	*Polycarbonate*
Screen enclosure	*20% GF PPE/PS*

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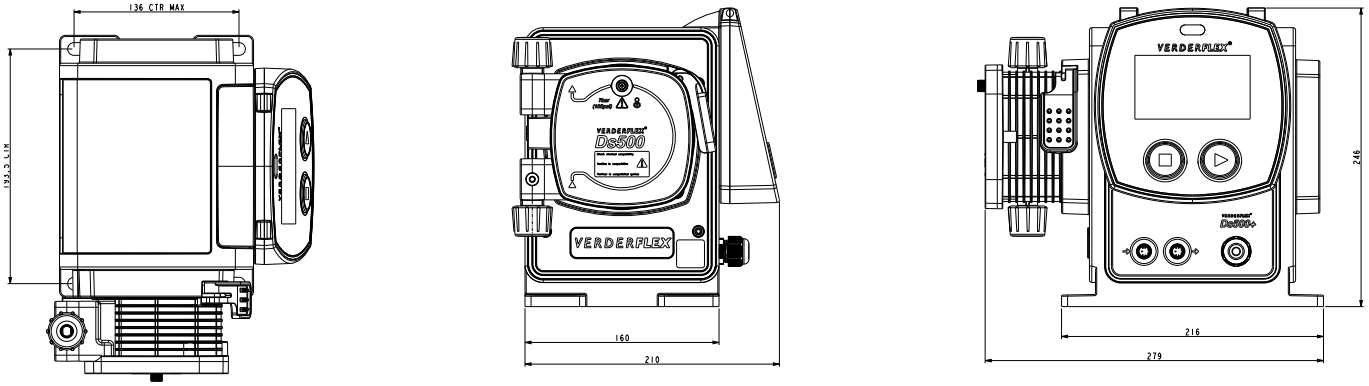
Features

	Ds500	Ds500+
Numerical flow display	✔	✔
Numerical speed display	✔	✔
Fluid level monitor	✔	✔
Max (prime)	✔	✔
Auto restart (after power restored)	✔	✔
Fluid recovery	✔	✔
Leak detection	✔	✔
4.3“ colour touchscreen	✔	✔
Fault reporting	✔	✔

Control Methods

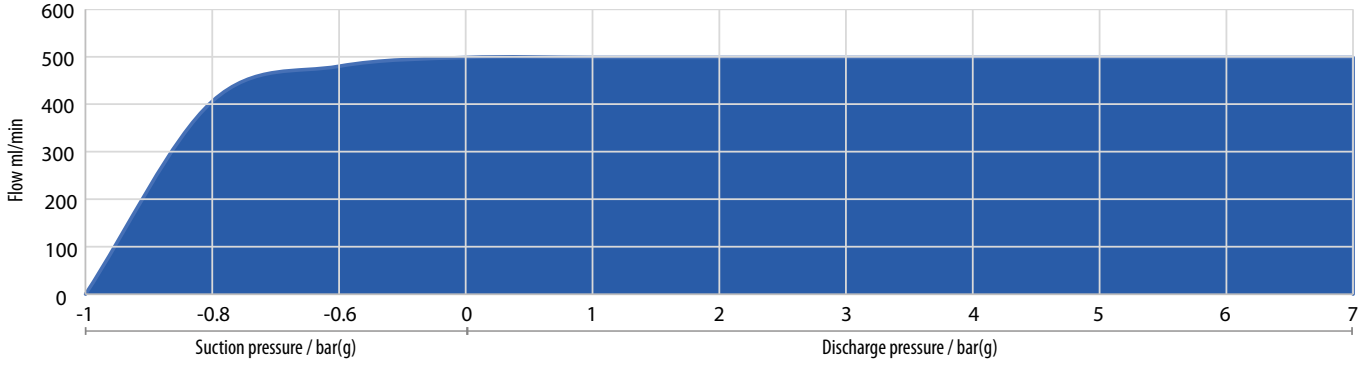
	Ds500	Ds500+
Manual control capability	✔	✔
Input/ Output options		✔
4-20mA input		✔
4-20mA input two point calibration		✔
4-20mA output		✔
Contact input (pulse/batch)		✔
Run stop input		✔
Alarm output		✔
Keypad lock	✔	✔
PIN lock to protect set up	✔	✔

Dimensions



All dimensions are in mm.
All dimensions and weights are for guidance only.

Performance curve



Flows are typical and were measured with water at 20°C. Actual flows will vary according to suction conditions, discharge pressure and normal component production tolerances.

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