VERDERFLEX®

Ds4F



Description

The new Verderflex Ds4F, cased drive, peristaltic pump - accurately doses liquids for industries ranging from the aseptic, pharmaceutical environment to the harsh requirements of water treatment and mining.

Your benefits

- Advanced touch screen controls
- Intuitive, easy to follow menus
- Quick change tube elements
- Maximum flow rate 4000 ml/min (1.06 US gal/min), 240 l/h (63.4 US gal/h)
- Full colour 4,3” TFT touchscreen
- Comprehensive I/O functionality via M12 connectors for PLC/SCADA integration
- Continuous tubing available
- *VF Connect* provides expanded I/O functionality

NEMA 4X

Technical data

Supply voltage	100-240V 50/60Hz AC
Flow range (ml/min / GPH)	5 - 4000 / 0,08 - 63,4
Speed range (rpm)	1 - 220
Max. discharge pressure (bar / PSI)	4 / 58,01
Power consumption (W)	252
Ambient operating temperature (°C / °F)	4 - 45 / 39 - 113
Max. temperature of pumped medium (°C / °F)	85 / 185
Noise level	<70db(A) @ 1m
IP rating	IP66 NEMA Type 4X
Humidity	10-100% RH (condensing)
Weight (kg / lbs)	8,6 / 18.96
Accuracy / Repeatability*	±1% / ±0.5%

* Depending on tube option



VF Connect, pn: 155.9.0007

Materials

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

For more information about the Verderflex product range, please scan the QR code

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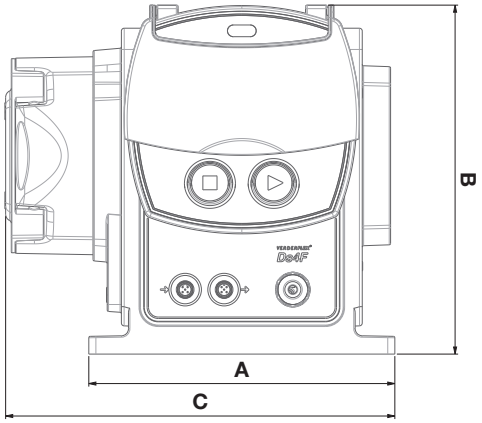
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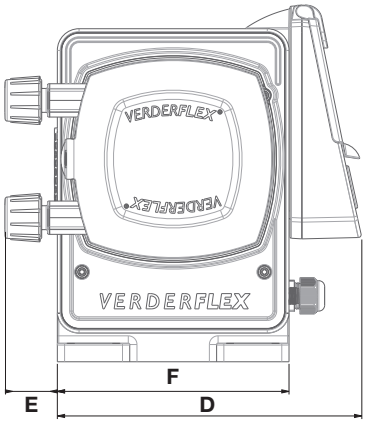


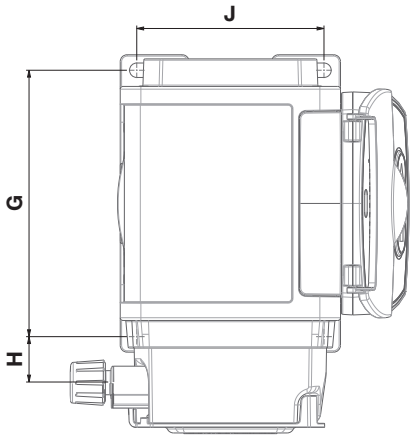
Features
Numerical flow display
Numerical speed display
Fluid level monitor
Max (prime)
Auto restart (after power restored)
Fluid recovery
Leak detection
4,3" colour touchscreen
Fault reporting
Forward + reverse
Door open sensor
Verderflex Connect I/O interface compatible

Control methods
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







	A	B	C	D	E	F	G	H	J
[mm]	*216*	*246*	*275*	*210*	*36*	*160*	*193,5*	*33*	*136*
[inch]	*8,50*	*9,68*	*10,82*	*8,27*	*1,42*	*6,3*	*7,62*	*1,3*	*5,35*

All dimensions and weights are for guidance only.

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Product part numbers

Part No.	Description
155.5.2001	Ds4F (UK plug), 2,4WT rotor type
155.5.2002	Ds4F (EU plug), 2,4WT rotor type
155.5.2003	Ds4F (US plug), 2,4WT rotor type
155.5.2004	Ds4F (UK plug), 3,2WT rotor type
155.5.2005	Ds4F (EU plug), 3,2WT rotor type
155.5.2006	Ds4F (US plug), 3,2WT rotor type

Tube elements - performance data

Tube material	Tube dims. mm (ID x WT)	Part No.	ml.min		Max. pressure	RPM		Shore A (nominal)	Element connector / gasket material	Rotor type
			Min.	Max.	Bar	Min.	Max.			
Verderprene (FDA)	4,8 x 2,4 9,6 x 2,4	155.9.0022 155.9.0023	5 18	1100 4000	2 2	1 1	220 220	65 65	PP/EPDM PP/EPDM	2.4
VerderPU	4,8 x 2,4 8,0 x 2,4	155.9.0026 155.9.0027	5 12	1100 3040	2 2	1 1	220 220	65 65	PVDF/PTFE PVDF/PTFE	2.4
VerderChem	8,0 x 2,4	155.9.0025	12	3040	2	1	220	65	PVDF/PTFE	2.4
Verderprene	4,8 x 3,2 8,0 x 3,2	155.9.0028 155.9.0029	5 12	970 2400	4 4	1 1	180 180	80 80	PVDF/PTFE PVDF/PTFE	3.2
Verderprene (NSF61)	4,8 x 3,2 8,0 x 3,2	155.9.0020 155.9.0021	5 12	970 2400	4 4	1 1	180 180	80 80	PP/EPDM PP/EPDM	3.2

Continuous tubing - material

Tube material	Tube dims. mm (ID x WT)	Part No.	Length
Verderprene (FDA)	4,8 x 2,4 9,6 x 2,4	150.0625.15 150.0627.15	15
VerderChem	8,0 x 2,4	460.2009.15	15
Verderprene	8,0 x 3,2	150.0653.15	15
VerderHYGIENIC	8,0 x 2,4	460.2039.15	15



Tube clamp kit	155.9.0035

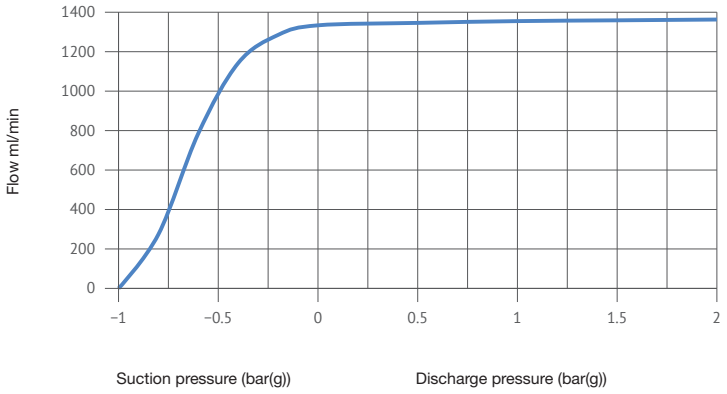
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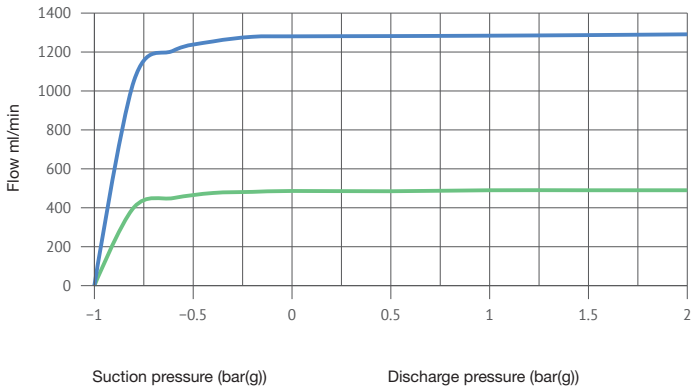


Performance Curves @ 100 RPM

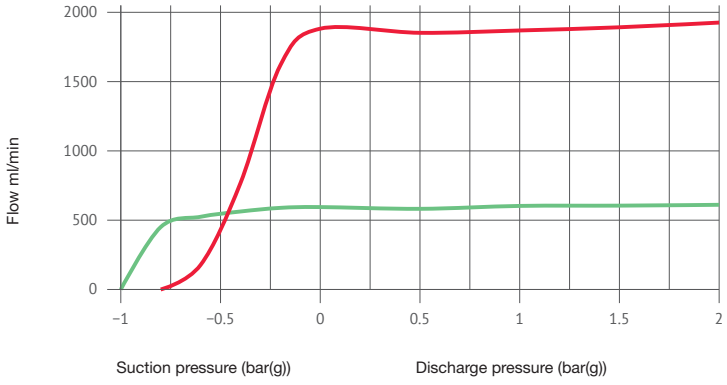
VerderChem



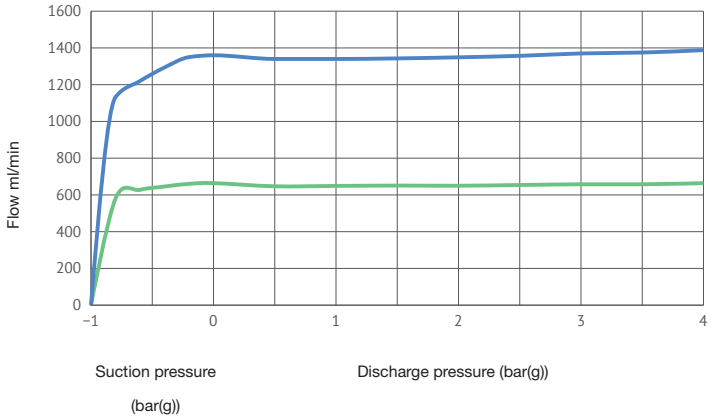
VerderPU



Verderprene 2,4wt



Verderprene 3,2wt



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.

- 4,8mm
- 8,00mm
- 9,6mm

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For construction, installation and floor mounting drawings please contact your local authorised VERDERFLEX distributor.

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