PRODUCT DATA SHEET

ViscoTec 1C dispenser vipro-PUMP

- Volumetric dosing, regardless of viscosity
- For low to high viscosity materials
- Particularly suitable for highly abrasive, filled or shear sensitive materials
- Modular scalability of volume flow within the model range
- Programmable suck-back prevents dripping or stringing of product
- Material entry with Tri-Clamp DN 20 connection for optimized material flow and fast coupling of material supply
- Locking ring for easy and fast disassembling of drive unit
- Drive unit connection with optimized power transmission free from clearance
- Optimized dispenser bracket for easy adjustable mounting
- Long lifetime due to low wear
- Different rotor and stator materials available
- Continuous dosing, pulsation free
- Interior non-stick coated
- Dividable rotor assembly for easy & fast replacement and low spare part costs
- Easy cleaning and maintenance due to quick assembly and disassembly options
- Optional M6 sensor for dispensing pressure and temperature

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Technical data	vipro-PUMP 14	vipro-PUMP 40	vipro-PUMP 100	vipro-PUMP 180	vipro-PUMP 500
Dosing volume (ml/rev)	~ 0.14	~ 0.38	~ 1.1	~ 1.8	~ 5.2
Max. volume flow (ml/min) (2)	17	47	137	225	650
Min. dosing quantity (ml) (1)	0.01	0.03	0.09	0.14	0.42
Max. dosing pressure (bar) (1)	30	30	30	30	20
Max. inlet pressure (bar) (1)	20	20	20	20	15
Self-sealing (bar) (1)	approx. 2	approx. 2	approx. 2	approx. 2	approx. 2
Dosing accuracy (%) (3)	± 1	± 1	± 1	± 1	± 1
Repeatability (%) (1)	> 99	> 99	> 99	> 99	> 99
Operating temperature (°C)	10 - 40	10 - 40	10 - 40	10 - 40	10 - 40
Material temperature (°C) (1)	10 - 50	10 - 50	10 - 50	10 - 50	10 -50
Max. rotation speed (rev/min) (4)	125	125	125	125	125
Weight without drive (kg)	1.6	1.6	1.7	1.9	1.9

(1) Depending on material and process parameters. Max. dosing pressure, max. inlet pressure and self-sealing decrease as viscosity decreases. Consultation with ViscoTec may be necessary.
(2) Depends on viscosity and inlet pressure.
(3) Volumetric dosing as absolute deviation in relation to one dispenser revolution. Depends on the viscosity of the material.
(4) Higher speed causes increased wear.

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