



# PRODUCT DATA SHEET



## ViscoTec 2C dispenser vipro-DUOMIX

- Modular setup with five different available dispenser sizes on each side
- Compact design due to parallel alignment of the dispensers
- Static-dynamic mixing of two materials with same or different viscosities, extreme mixing ratios, high pressure sensitivity and compressibility
- Adjustment of the desired mixing ratio by independently adjusting the speeds of both dispensers
- Volumetric dosing, regardless of viscosity
- For low to high viscosity materials
- Particularly suitable for abrasive, filled or shear sensitive materials
- Continuous dosing, pulsation free
- Interior non-stick coated
- Linear relation between dosing volume and rotation speed
- Programmable suck-back prevents dripping or stringing of product
- Long lifetime due to low wear
- Cracks of the mixing elements are detectable by monitoring the torque of the motor
- Easy cleaning and maintenance due to quick assembly and disassembly options
- Mixing ratio 1:1 - 100:1
- Max. weight incl. motors (for combination 510/510): 8 kg





| Technical data   | vipro-PUMP 12 | vipro-PUMP 35 | vipro-PUMP 110 | vipro-PUMP 170 | vipro-PUMP 510 |
|--|---------------|---------------|----------------|----------------|----------------|
| Type   | 4RD6-EC       | 3RD8-EC       | 3RD10-EC       | 3RD12-EC       | 2RD12-3D-EC    |
| Dosing volume (ml/rev)                                 | ~ 0.12        | ~ 0.35        | ~ 1.15         | ~ 1.7          | ~ 5.0          |
| Volume flow (ml/min) <sup>(2)</sup>                    | 15            | 44            | 144            | 212            | 650            |
| Min. dosing quantity (ml) <sup>(1)</sup>               | 0.01          | 0.03          | 0.09           | 0.14           | 0.42           |
| Max. dosing pressure (bar) <sup>(1)</sup>              | 30            | 30            | 30             | 30             | 20             |
| Self-sealing (bar) <sup>(1)</sup>                      | approx. 2     | approx. 2     | approx. 2      | approx. 2      | ca.2           |
| Inlet pressure (bar) <sup>(1)</sup>                    | 20            | 20            | 20             | 20             | 15             |
| Dosing accuracy (%) <sup>(3)</sup>                     | ± 1           | ± 1           | ± 1            | ± 1            | ± 1            |
| Repeatability (%)                                      | > 99          | > 99          | > 99           | > 99           | > 99           |
| Operating temperature (°C)                             | 10 - 40       | 10 - 40       | 10 - 40        | 10 - 40        | 10 - 40        |
| Material temperature (°C) <sup>(1)</sup>               | 10 - 80       | 10 - 80       | 10 - 80        | 10 - 80        | 10 - 80        |
| Max. rotation speed dispenser (rev/min) <sup>(4)</sup> | 125           | 125           | 125            | 125            | 125            |
| Max. rotation speed mixer (rev/min) <sup>(4)</sup>     | 500           | 500           | 500            | 500            | 500            |

(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.