

ViscoTec RD-EC dispenser applications

Precise dosing of highly viscous and filled media

ViscoTec RD-EC dispensers reliably process media with viscosities of up to 7,000.000 mPas (cps). The dosing principle enables a low-shear transport of the medium and is suited especially for dosing shear-sensitive, filled and abrasive materials with constant high process accuracies. Available is a wide range of stator materials with chemically and mechanically highly resistant elastomers across all pump sizes. The dosing pumps can cover a wide range of specific process requirements for various type of media.

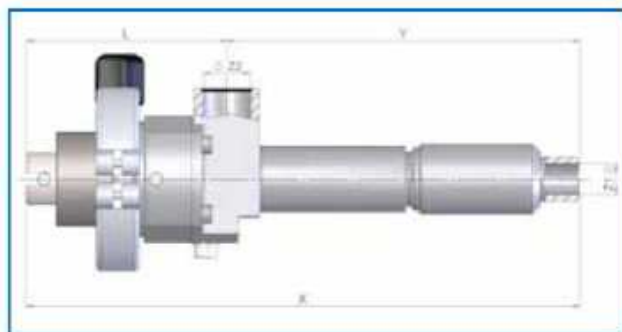
Applications

The dosing systems can be configured and used for multiple applications within a wide spectrum of media. Systems are available for processing of adhesives and sealants for both - 1-component applications as well as 2-component applications with the possibility of programmable settings of the mixing ratio:

- Dosing, application, potting, 2-component processing and volumetric spraying technologies of 1-component and 2-component adhesives, sealants, pastes and potting materials
- Application of dots and beads, possibility of programmable setting of dosing quantities and flow rate as well as mixing ratios for 2-component applications

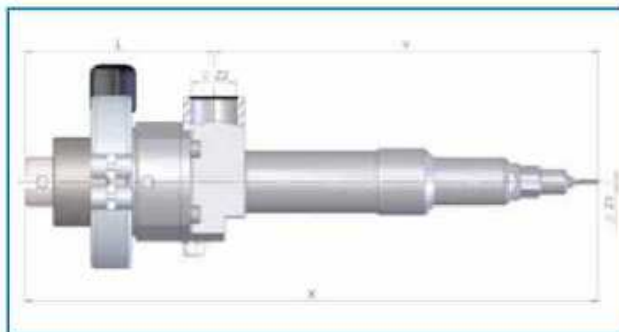
Dimensional drawing ViscoTec RD-EC dispensers

Dispenser RD-EC

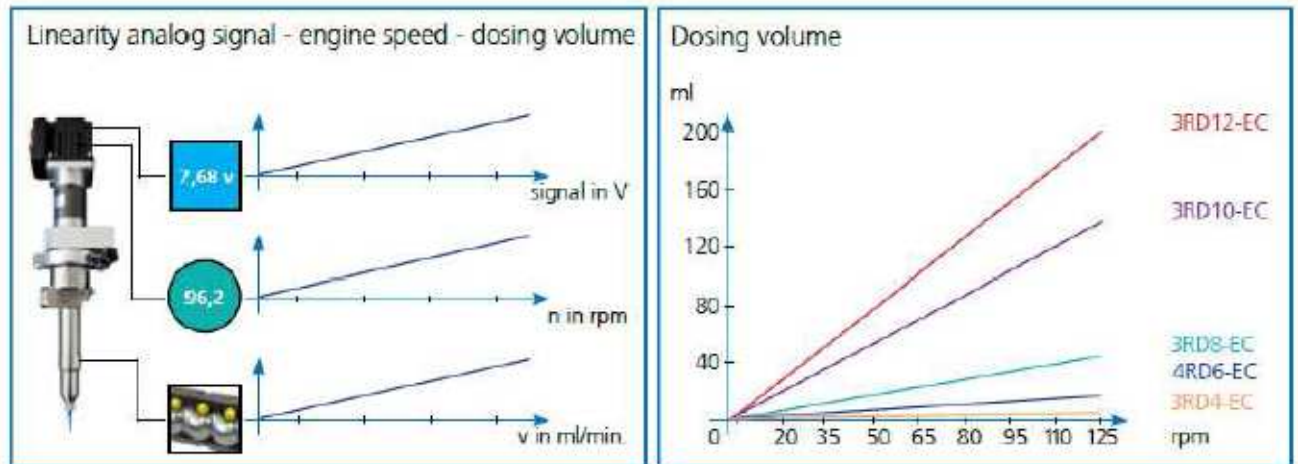


Dimensions	4RD6	3RD8	3RD10	3RD12
X	211	211	237	271
Y	135	135	161	195
L	76	76	76	76
Z1	G 1/4"			G 3/8"
Z2	G1/2"			

Dispenser RD-EC fine dosing nozzles (Luer-Lock)



Dimensions	4RD6	3RD8	3RD10
X	233/235	235/237	262/264
Y	157/159	135	186/188
L	76	76	76
Z1	1.6/2.4		
Z2	G1/2"		



Innovative dosing technology

With every pump rotor rotation of the precise volumetric operating RD-dosing technology a defined, highly repeatable volume of medium is applied. With each rotation of the rotor per time slot a corresponding dosing volume in ml is applied per identical time slot. The ViscoTec principle provides a linear correlation between the dispenser rotation speed and the dosing quantity; a change in the rotation speed leads to an equivalent change of the dosing volume without any delay. This accuracy in dosing volumes is achieved with high reliability and pulsation-free even with fluctuating liquid viscosities.