



product data sheet

Dispenser 4RD6-EC-MF

description



This compact, metal-free ViscoTec dispenser achieves a precise, consistent and reliable dosing of a wide variety of materials. Especially in the manufacturing processes of the E-Mobility sector for materials that require the absence of metal particles. Thanks to the special rotor-stator geometry, a valve to prevent material from automatically flowing out is not required. Alternately opening chambers allow the gentle transfer and pulsation-free dispensing of product.

- dosing volume: 0.12 ml/rev.
- reverse-flow possible (no dripping or stringing of product)
- linear relation between drive speed and dosing volume
- constant dosing volume, also with density or viscosity fluctuations
- reliable dosing even without heating the material
- low maintenance
- quick assembly
- time and cost saving maintenance and cleaning with ViscoPro drive: easy programming of quantity and speed (see separate data sheet)
- **light-weight design**
- **shielded from UV-light**

application

- dot or bead application, variable quantities possible
- for low to high-viscosity materials, particularly suitable for abrasive, high-filled or shear sensitive material
- metal-free Dispenser especially suitable for: anaerobic curing adhesives, sulphuric acids, acetic acid, bases, sulphur and chloride based electrolytes, sodium hypochloride (bleaching lye), hydrogen peroxide, ionic liquids

technical data

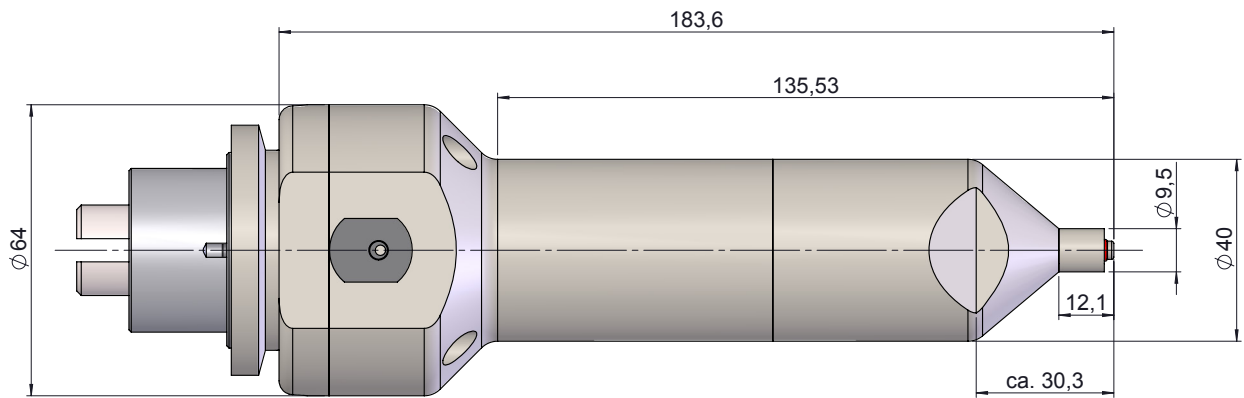
dosing volume	~ 0.12 ml/rev.
volume flow	0.12 - 15 ml/min**
min. dosing quantity	0.005 ml*
dosing accuracy	+/- 1 %***
operating temperature	+10° to +60° C
material temperature	-20° to +60° C*
max. speed	125 rpm*
max. permissible torque	8 Nm
max. dosing pressure	30 bar*
max. supply (input) pressure	20 bar*
weight	approx. 750 g

*depends on material

**Volume flow depends on viscosity and primary pressure

***Volumetric dosing as absolute deviation in relation to one dispenser revolution.
Depends on the viscosity of the dosing medium.

cross section



examples in use

