

PRODUCT DESCRIPTION

The volumetric rotor dispenser applies LOCTITE® adhesives, like anaerobics, acrylates and UV acrylates out of a reservoir with high repeatability. The limit of viscosity is 100,000 mPas.

The dispenser is a rotating displacement system. It consists of a rotor and a stator.

The different geometries of the rotor and stator cause the formation of cavities. Rotation of the rotor in the stator generates a flow that is proportional to rotary angle, and so delivery is speed-dependent.

The intrinsic self-sealing capability depends on the viscosity of the adhesive.

Do not operate the dispenser in an explosive atmosphere.

PRODUCT FEATURES

- Volumetric device, flow rate proportional to speed, electronically controlled.
- Dispenses anaerobics, acrylates and UV acrylates.
- Applications include drop or bead dispensing or potting.
- Integrated Luer lock-adaptor with O-ring (patented) ensures sealing in reverse flow!
- Because of the reversible direction of flow (suck-back) an exact stop of the product flow can be achieved.

Compact Rotor Dispenser 1.0 Includes

- Compact Rotor Pump Dispenser with stator and drive unit
- Mounting tool
- Feedline OD 6 mm, length 2 m
- Operating manual

Technical Data

- Dimensions (LxØ): 220 mm x Ø 35 mm
- Weight: 0.380 kg
- Volume per revolution: theoretically 0.05 ml
- Accuracy¹: ±1%
- Volume flow: 0.05 – 6.0 ml/min
- Input pressure: 0 – 6 bar
- Max. Dispensing pressure: 16 – 20 bar
- Intrinsic tightness²: approx. 2 bar
- Number of revolutions: 0 – 120 rpm
- Storage temperature: -10 °C to +60 °C (+14 °F to 140 °F), dry/dust free



- Operating temperature: +10 °C to +40 °C (+50 °F to +104°F)

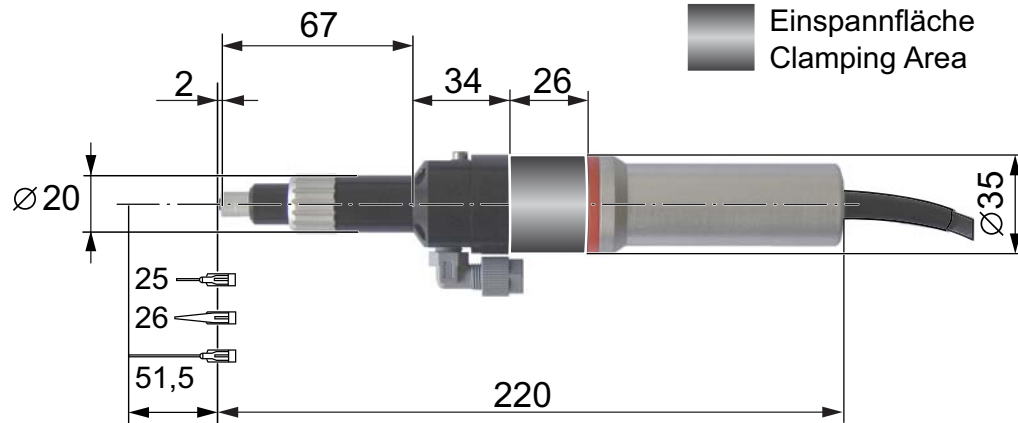
Reference medium: Approx. 1.000 mPas at 20 °C.

- ¹ Volumetric dosing as absolute deviation relative to one dispenser rotation. Depending on the viscosity of the dispensing medium.
- ² Max. dispensing pressure and self-sealing decrease with decreasing viscosity and increase with increasing viscosity.

Spare Parts:

- Repair kit, consists of 2 O-rings each 2.9x0.6 (FKM), 13x1.25 (FFKM), 13x1.5 (FKM), 16x1.25 (FKM), 17x1.25 (FKM); P/N 1335043
- Repair kit, O-ring 2.9x0.6 (5 pcs); P/N 1679908
- Stator with housing; P/N 1335041
- Pump unit without motor; P/N 1335042
- Sealing set with housing; P/N 1335000

Dimensions:



Overview of salable Systems:

System for dispensing quantity: 0,5 to 6,0 ^{ml} /min Order No. 1197319	System for dispensing quantity: 0.12 – 1.48 ml/min Order No. 1654036
Content: – Compact Rotor Pump Controller, Type 97150 incl. external power supply – Compact Rotor Dispenser 4.0, Type 97611	Content: – Compact Rotor Pump Controller, Type 97150 incl. external power supply – Compact Rotor Dispenser 1.0, Type 97621

Note

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