

## Preeflow Eco-SPRAY

**GENTEC**  
Adhesives | Equipment | Solutions

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## Preeflow

### Features

- Spraying of defined quantity
- Optional heating
- Viscosity independent spraying
- Easy to clean
- Regardless of primary pressure
- Controllable spray area
- Pressure-tight without valve
- Low to high viscosity media

### Advantages

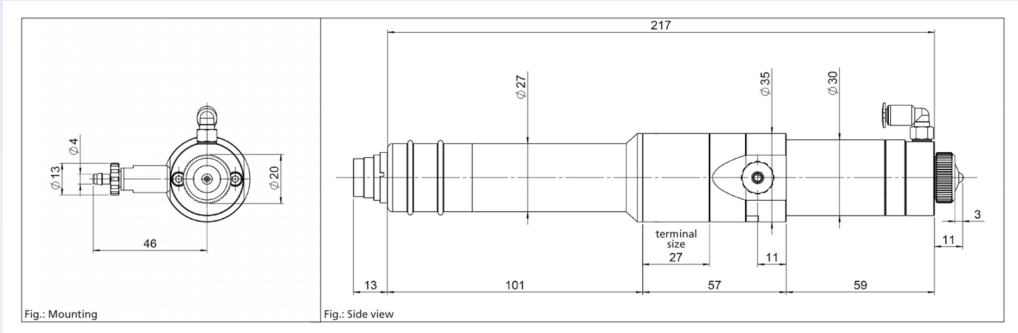
- Constant amount/ area
- Consistent spray-image
- Uniform Coating
- Little overspray/high edge definition
- Defined volume per rotation
- High chemical resistance
- High Bracing
- Controllable round spray
- From dot to endless spraying
- Low maintenance system
- Independent regulation of media flow rate and atomizer air
- High transfer efficiency



Preeflow Eco-SPRAY

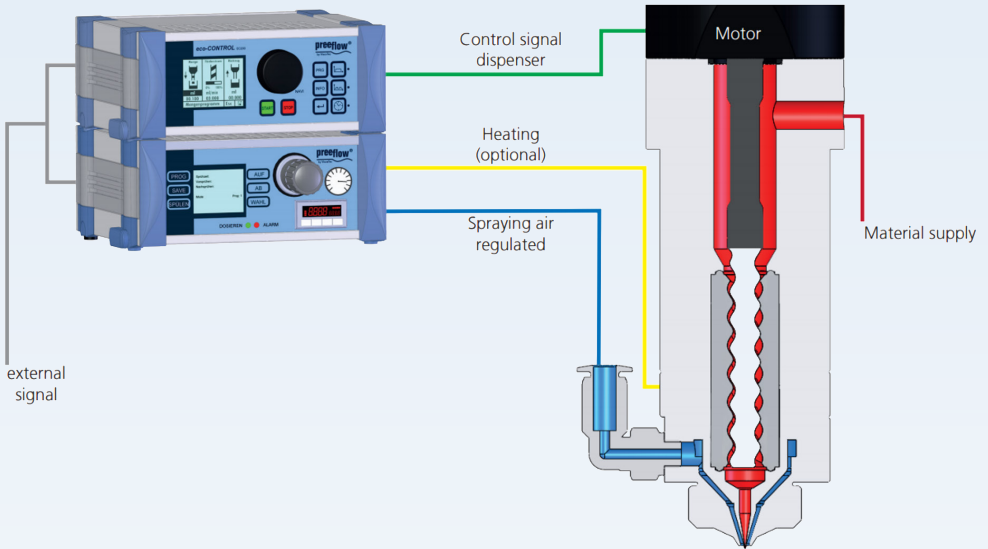
The new precision volume dispenser eco-SPRAY made by ViscoTec offers a wide range of applications for low to high viscosity spray media. The preeflow® eco-SPRAY guarantees a volumetric spray application based on the endless piston principle. The base of this new microsyringing technology is still our proven rotor/stator technology. Due to a defined rotary motion of the rotor the medium in the stator is volumetrically replaced and conveyance is created. Thus a determined amount of medium is process controlled and directed to the special low flow spray chamber.

The precise nebulization and spraying can take place continuously or punctually. The revolutionary combination of the endless piston principle and the low flow spraying chamber guarantees perfect spraying of low to highly viscous media with high edge definition and lowest possible overspray

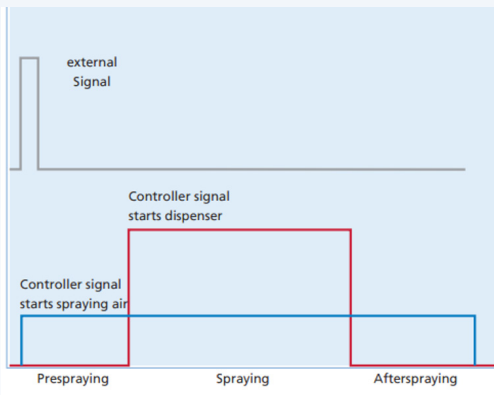


## Technical Data

Dimension:	Length 228 mm, $\varnothing$ 35 mm
Material infeed:	1/8" cylindrical whithworth pipe thread DIN/ISO 228
Parts with medium contact:	HD-POM/Stainless Steel/PEEK
Min. operating pressure:	0 bar, self-levelling fluid
Max. operating pressure:	0 to 6 bar input pressure, non-self-levelling fluid
Intrinsic tightness <sup>(1)</sup> :	Approx. 2 bar (reference medium approx. 10 mPas at 20° C)
Seals:	High-molecular PE, VisChem
Motor:	18 to 24 V/DC, incremental encoder, planetary gears
Switching frequency:	Over 100 cycles/min
Operating conditions:	+10° C to +40° C, air pressure 1 bar
Medium temperature:	+10° C to +40° C (optional with heating)
Medium viscosity:	Low to high viscosity media
Min. dosing quantity:	50 $\mu$ l
Volume flow <sup>(2)</sup> :	0.5 to 6.0 ml/min
Diameter:	0.2 mm, 0.3 mm, 0.5 mm
Spraying accuracy <sup>(3)</sup> :	Amount of spraying $\pm$ 1%
Repeatability:	> 99%
Atomizer air:	0.1 to 6 bar
Atomizer supply:	Hose connector external diameter 4 mm (connection to the process M5)
Spray image:	Round spray (adjustable)
Spray angle:	15 to 30°



## Switching example eco-SPRAY controller



Prespraying, spraying, afterspraying and pressure are customer specifically adjustable. Thereby individual spray contours are possible.