

Application Spotlight

Cavity sealing and car body sealing

CAVITY SEALING ON CAR BODIES AND UNDERBODY

Technical Data

Medium:	sealing material and wax
Temperature:	+20 °C up to +70 °C [+68 °F up to +158 °F]
Pressure:	up to 310 bar [4,496 psi]
Measuring range:	0.04 up to 8 l/min
Viscosity at 20 °C:	up to 3,000 mm ² /s
Density at 20 °C:	1.03 up to 1.16 g/ml

Application

In the automotive industry, cavities in the body and underbody must be effectively and permanently protected against corrosion. For this purpose, waxes are injected into the corrosion-prone areas by means of injection nozzles and lances of robots.

Volume-controlled dosing systems are used to ensure the right dosage for each sealing process. These flexibly meet all requirements of functional dosing.

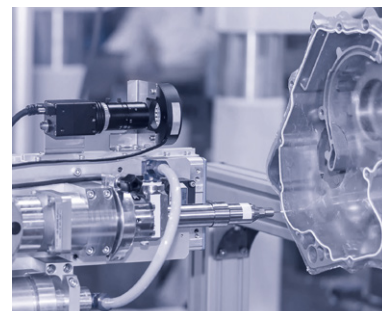
The partially highly filled and thus highly viscous media typically applied in underbody protection, sill application and seam sealing require a robust measuring system of the highest quality that also generates the lowest possible pressure losses.

Solution

KEM Helical Flow Meters (SRZ Series) are used for flow measurement in in cavity preservation and car bodie sealing applications. Due to their robustness and low pressure loss they are used for process monitoring. In addition, the use of materials can be minimized to an optimum.

Advantages

- Short response times
- Wide measuring dynamics
- High measuring accuracy and resolution
- Especially for highly viscous media
- High resolution and with integrated electronics
- Insensitive to abrasive media
- Generates low pressure losses



Certificates:

- *Pressure Equipment Directive 97/23/EC, 2014/68/EU*
- *HP0 - Certification*
- *Explosion protection according to 2014/34/EU*
- *CSA/UL - Certification*
- *Accreditation according to ISO 17025*



*KEM Helical Flow Meters
(SRZ Series)*