



Helical screw sensors RS Series

The VSE RS helical screw flow meters measure the flow rate based on the screw pump principle. The measurement of the volume flow with the RS innovative rotor profiles offers significant benefits such as a low-resistance, highly precise and pulsation-free measurement with minimal shear, lowest pressure losses as well as highest functionality based on intelligent sensor technology. Whether with low viscosity oil or with thick resin, the RS flow meters are the ultimate solution for precision flow measurement. With countless of possible options for size bearings, tolerances, materials, coatings, electronics, resolution & ATEX, there is an option to suit even the most demanding applications.

Performance data

- Flow range 0 up to 3,000 l/min
- Pressure range up to 450 bar
- Temperature range -30 up to +120°C (-40°C up to +200°C with high temperature sensor system)
- Frequency range up to 100 kHz
- Viscosity range 1 up to 1,000,000 cSt

Applications

- Process technology
- Hydraulics
- Highly viscous, paste-like, abrasive adhesives and sealants

Advantages

- High precision mostly independent of viscosity
- Gentle fluid measurement
- Pulsation-free measurement
- Lowest pressure losses
- High on functionality due to intelligent sensor technology
- Short response time through reduced mass

More information on the product series RS can be found in our product catalogue. For detailed information and technical specifications, please contact our employees.