



External gear pump DARTec®

The DARTec® gear dosing pump was specifically designed for high precision dosing of thermally reactive fluids. Its protected sealed needle bearing system eliminates material contact with bearings preventing shear and frictional heat in these areas normally associated with external gear pumps. Because of this innovation there is a notable reduction in the amount of solvent required to flush the pump and downtime between jobs. This also leads to overall improved efficiency, typically > 95 %. The DARTec® is also available in a low weight construction (700 grams) and is optimal for use on 3 and 4 axis robot dispensing equipment.

Performance data

- Displacements 0.1 to 6.0 cc/rev
- Speed range 1 to 400 rpm
- Viscosity range 1 to 1,000,000 mPas
- Ambient temperature range -30 to +60°C
- Fluid temperature range / operating temperature range -20 to +150°C
- Pressure range up to 150 bar

Areas of application

- Handling equipment and robots
- Process engineering and technology
- Mobile communication technology
- Automotive industry
- Mechanical engineering and plant construction
- Electronic industry
- Plastics and wood processing

More information on external gear pump DARTec® can be found in our Product catalogue. For detailed information and technical specifications, please contact our employees.