Versatility

We offer an extensive range of metering pumps for almost every situation where liquids have to be accurately metered or blended together. Our NOVADOS metering pumps comprise diaphragm and plunger pumps, with drives to accommodate single or multi-stream applications using horizontal or vertical configurations.

Nearly all gear sizes in the NOVADOS series can be combined for process and metering pumps to achieve the required flow rate and pressure parameters. Manual or automatic control options for flow rate adjustment are available, with various liquid end materials and complemented by a variety of accessories to suit the process.

These numerous possible combinations and variants enable bespoke solutions to be offered, which suit the characteristics of the metered liquid.

Technical Data

- Flow rate up to 748 l/h
- Pressure up to 500 bar

Installation and Operating Conditions*

- Hazardous area:
  up to Zone 1 IIC T4 (Zone 22 upon request)
- Ambient temperature range:
  from -40 °C to +50 °C
  (special solutions upon request)
- Fluid temperature range:
  from -40 °C up to +150 °C
  (special solutions upon request)

* These are limit values, please state actual conditions with enquiry.
Weight, according to equipment (without motor) approx. 19-106 kg
approx. 320 mm
approx. 470 mm
approx. 390 mm

General Specification

Materials of construction of liquid-wetted parts
- Housing of stainless steel 1.4571 or 1.4462 or plastic PVC or PP
- Diaphragms of PTFE or stainless steel 1.4310
- Plungers of stainless steel or ceramic
- Options: other material options including Super Duplex, Hastelloy and Titanium are available

Pump gear design
- Worm gear with different reduction ratios
- Splash lubrication
- Stroke length adjustment via eccentric (Z-shape) crankshaft

Flow rate control
- Manual, electric, pneumatic or speed variation

Drive
- Electric motor with fixed or variable speed
- Other drives on request

We reserve the right to make technical changes without notice.

FLOW RATE TABLE (FOR SINGLE MODULE) 1)