Novados H2 Metering Pumps

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 provide solutions custom tailored to fit your needs.

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 (-40°F to 120°F)
  (special solutions upon request)

- **Fluid temperature range:**
  from -40°C up to +150°C (-40°F to 300°F)
  (special solutions upon request)

* These are limit values, please state actual conditions with enquiry.

Technical Data

- Flow rate up to 1810 l/h (574 gph)
- Pressure up to 700 bar (10,000 psig)
Weight according to equipment (without motor)
approx. 70-155 kg (155-340 lbs.)

approx. 540 mm (22’’)

approx. 450 mm (18’’)

max. 630 mm (25’’)

General Specification

Materials of construction of liquid-wetted parts

- Housing of stainless steel 1.4571 (316 Ti SS) or 1.4462 (316 SS) or plastic PVC or PP
- Diaphragms of PTFE or stainless steel 1.4310 (301 SS)
- 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.

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