



## **Gear Wheel Flow Meters** **(Positive displacement Flow Meters).**



Mechanical working volumetric gear wheel flow meter with electronic pick-up – including pick-up for Ex zone – to be connected to external instrumentation for batching, indication of flow rate and counters as well as f/l(U) converters.

The program includes electronic equipment to control multi component batching and mixing.

|                          |   |
|--------------------------|---|
| Capacity:                | from 2 cm <sup>3</sup> /min. to 525 l/min. @ 20 cSt           |
| Dynamic measuring range: | up to 1500:1 @ 20 cSt   |
| Accuracy:                | depending of model from +/-0,3% of rate @ 20cSt               |
| Repeatability:           | +/-0,05% under same operation conditions                      |
| Pressure range:          | standard up to 450 bar – higher upon request                  |
| Temperature range:       | depending of meter type and pick-up system from –40 to +210°C |
| Liquid viscosity range:  | 1.....100.000 cSt   |

Materials: as standard Aluminium, GGG40 and 1.4305 (SS304), other materials upon request.

Sizes: from ¼" to 1½"

Process connections: BSP and NPT thread, others on request

### Typical applications:

Measurement of clean Newtonian liquids like for instance sensing of leakage, positioning of hydraulic cylinders, lubrication oil for rotating or moving machines, fuel oil consumption etc.

Measurement of thixotropic liquids, like printing inks, pastas, filler and hardener for polyurethane, polyester, glass fibres etc.

Electronic units for surveillance of two component mixing – like in glue and polyurethane etc

Contact us or get further  
information on: [www.vse-flow.com](http://www.vse-flow.com)

