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**PRESS ANNOUNCEMENT**

**High Pressure Hastelloy C Flowmeters for Hazardous Areas**

Based upon a proprietary oval gear design, **Titan Enterprises OG Series flowmeters** are designed to give reliable, high performance in a wide range of applications.

For **more challenging applications**, Hastelloy® C is the material of choice for OG Series flowmeters. Inherently Hastelloy C has outstanding resistance to both highly oxidizing and reducing agents, making it an ideal choice for moderate to severe corrosive fluid handling and environments. Titan Hastelloy C OG flowmeters can withstand high temperatures, high pressures and can be fitted with a suitable sensor for Hazardous areas. The chamber sealing on these meters is designed for the required pressure rating and it can be a fluid compatible 'O' ring such as Kalrez.

When constructed from Hastelloy C and PEEK™ - Titan Enterprises compact OG flowmeters are perfect for measuring flow at pressures up to 700 Bar and 150°C. Designed to be IP-67 / NEMA 4 compliant, Titan's Hastelloy C OG Series high pressure flowmeters are available in standard and customer specified configurations.

Unlike other types of flowmeter, the measurement accuracy of these oval gear flowmeters improves as liquid viscosity increases, from a nominal one per cent towards 0.1 per cent of flow rate at higher viscosities.

To operate - Titan OG Series flowmeters employ oval-shaped, gear-toothed rotors that rotate within a chamber of specified geometry. As these rotors turn, they sweep out and trap a very precise volume of fluid between the outer oval shape of the gears and the inner chamber walls, with none of the fluid actually passing through the gear teeth. Ceramic or Teflon® coated magnets are embedded in the rotors, which then actuate a reed switch, Hall effect sensor or ATEX approved sensor to provide a pulse output. Each pulse or switch closure then represents a precise liquid volume that passes through the meter. The result is highly accurate flow measurement almost immune from the effects of varying fluid viscosity, density and temperature.

For further information please visit <https://bit.ly/3ap9761> or contact Titan Enterprises on +44-1935-812790 / [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk).

Drawing upon over 40 years of flowmeter innovation - Titan Enterprises Ltd are a manufacturer of high-performance solutions including the Atrato ultrasonic flowmeter, Oval Gear flowmeters, low flow Turbine flow meters and a flow instrument range. Titan's company philosophy of "pushing the envelope by trying to do things a little different and better" has resulted in sales of over 500,000 products into 50 countries worldwide and a repeat purchase percentage of 95%. All flow meters produced by Titan Enterprises are designed and manufactured to ISO9001 and calibrated to an uncertainty of  $\pm 0.25\%$ .

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Illustrative images (available on request):



Caption: Titan Enterprises OG Series flowmeters



Caption: Titan Enterprises OG Series flowmeter in Hastelloy C