



**Titan Enterprises Ltd.**

Coldharbour Business Park  
Sherborne, Dorset DT9 4JW

Tel: 01935 812790

Fax: 01935 812890

Email: sales@flowmeters.co.uk

**www.flowmeters.co.uk**

**www.atratoflowmeters.co.uk**

VAT No. GB 365 9701 23

PRESS RELEASE

**Accurate Flow Measurement of Low Viscosity Fluids**

**Titan Enterprises** report that its **turbine flowmeter range** provide an ideal tool for accurately measuring the flow of low viscosity fluids.



**Caption: 800-Series turbine flowmeter with display**

**Classic turbine flowmeters**

use propeller type turbines in a closed circular conduit. The turbine is mounted on low friction bearings and its rotation is detected through the chamber wall by one of a variety of detector types. These flowmeters have good linearity in larger diameters but as the pipe bore reduces the efficiency of the flowmeter also reduces.



**Titan Enterprises Ltd.**

Coldharbour Business Park  
Sherborne, Dorset DT9 4JW

**Tel:** 01935 812790

**Fax:** 01935 812890

**Email:** [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk)

**[www.flowmeters.co.uk](http://www.flowmeters.co.uk)**

**[www.atratoflowmeters.co.uk](http://www.atratoflowmeters.co.uk)**

VAT No. GB 365 9701 23



**Caption:** 800-Series turbine flowmeters

**For smaller diameter pipe applications**

– Titan Enterprise turbine flowmeters employ a design where the flow of fluid is directed at the turbine that is mounted on robust low friction sapphire bearings. The geometry of the turbine and the fluid chamber ensures that the rotational speed of the rotor is proportional to the flow rate through the device. The use of this radial arrangement advantageously allows more energy to be imparted into the turbine so the bearing drag is far less important. Furthermore, because more energy is available the bearings themselves can be a lot stronger so increasing the life of the flowmeter. At higher flow rates – the Titan turbine flowmeter design allows some of the fluid to



**Titan Enterprises Ltd.**

Coldharbour Business Park  
Sherborne, Dorset DT9 4JW

Tel: 01935 812790

Fax: 01935 812890

Email: [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk)

**[www.flowmeters.co.uk](http://www.flowmeters.co.uk)**

**[www.atratoflowmeters.co.uk](http://www.atratoflowmeters.co.uk)**

VAT No. GB 365 9701 23

bypass the turbine chamber, which then behaves as a “shunt” to the metered fluid, as a result accuracy is still maintained and the output remains linear.

**Optimised**

Titan Enterprises radial flow turbine flowmeters are available for a diverse range of applications including measuring low viscosity flow in chemical plants, semiconductor fabrication, drink dispensing equipment and fire hydrant monitoring systems. All Titan Enterprises turbine flowmeters have rugged bearings and offer excellent repeatability. A wide choice of fittings is available to suit the function of the flowmeter.

In addition to its standard range of products, Titan Enterprises is highly experienced in OEM custom designed flowmeters tailored to suit your application.

**For further information**

please visit <http://www.flowmeters.co.uk/turbine-flowmeters-overview/> or contact Titan Enterprises on +44-1935-812790 / [sales@flowmeters.co.uk](mailto:sales@flowmeters.co.uk).

**Titan Enterprises Ltd**

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 flowmeters 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  $\pm 0.25\%$ .