



## Trimec –FP OVAL GEAR FLOW METER APPLICATIONS

Although not exhaustive, the following list represents the range of fluids that can be used with the oval gear flowmeter.

1. Sugar solutions, syrups, oils, sauces, beverages, honey, molasses, milk products, juices, chocolate and coatings in the food industry.
2. Alcohols, syrups, glycerines and coatings in the pharmaceutical industry.
3. Shampoos, gels, perfumes and creams in the cosmetics industry.
4. Fuels, lubricants and petro derivatives in the oil and gas industries.
5. Chemicals, fluoride and acids in the water and wastewater industry.
6. Wax finishes, perfumes, dyes and acids in the pulp and paper industries.
7. Solvents and inks in the printing industry.
8. Transmission fluid and hydraulic oil in the automotive industry.
9. Dyes, bleach and chemicals in the textile Industry.
10. Oils, gasoline and kerosene in the petroleum industry.
11. Solvent and latex based paints.

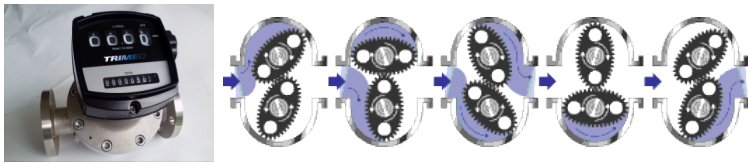
Introducing the **Trimec Flow Products TF Series** oval PD flowmeter range, replacing the Dimak range, which offers a high level of accuracy, turndown and repeatability. These precision meters are used for flow rate measurement in flow monitoring and control applications and for totalizing in dispensing and batching.

The TF Series oval gear meters are suitable for use with a wide range of clean liquids including viscous lubricants, chemical, food bases and non-conductive low viscosity solvents either pumped or gravity fed.

The TF Series oval gear flowmeter uses two fine toothed meshed gears that are oval in shape and engage each other in a precision machined body. This fluid is transferred sequentially from the inlet to the outlet and one or two pulses are transmitted for each revolution of the gear.

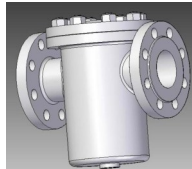
Embedded within the gear, a pair of chemically resistant magnets provide the external signals. Detection of the rotation uses either a reed switch or a Hall effect sensor on the outside of the fluid housing. A choice of materials allows the meters to be used in a variety of corrosive applications.

The equipment is suitable for use in hazardous areas, and the basic meter is classed as simple apparatus, enabling use in monitoring flows of low viscosity hydrocarbons, fuels and solvents.



### Basket Type Flanged Strainer

Robust Cast Body in Carbon Steel or Stainless Steel (CF8M), 304SS Basket Screen and PTFE seals.



For general chemical and industrial applications and is available in sizes from 25mm to 100mm (1" to 4") with ANSI 150 RF or 300 RF aluminium flanges.

### TRIMEC-Flow Products Note

*Trimec Flow Products Pty Ltd is the sole distributor and manufacturer of the Trimec MP Series Flow Meter Products series MP010P, MP015, MP020, MP025, MP040 and MP050 ("the Products") and holds all intellectual property rights in relation to the Products including the right to use the trademark "Trimec" in all of the Products.*

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Trimec Flow Products will progressively introduce new products over the next few months to better serve our customer base at competitive pricing.



- No stagnant chambers to accumulate contaminants
- Intrinsically safe and explosion proof models
- No need for flow conditioning
- Quadrature pulse output option

The Trimec-FP flow video of our MP Series has created some interest with several downloads from our website and views on YouTube. As a reminder I have provided a link to the video on the picture, as it is a great tool to show to prospective and existing customers.

We are also working on a video for the oval gear flowmeters which we hope will be completed shortly.

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**To continually improve the manufacturing process to meet our customers' needs, maintain our safety record to zero and to ensure compliance with all relevant certifying bodies.**

