

# *Dunnell Engines*

## **I4 Duratec Oil Filter – Inlet Plate**

Part No: RMP I4-1400

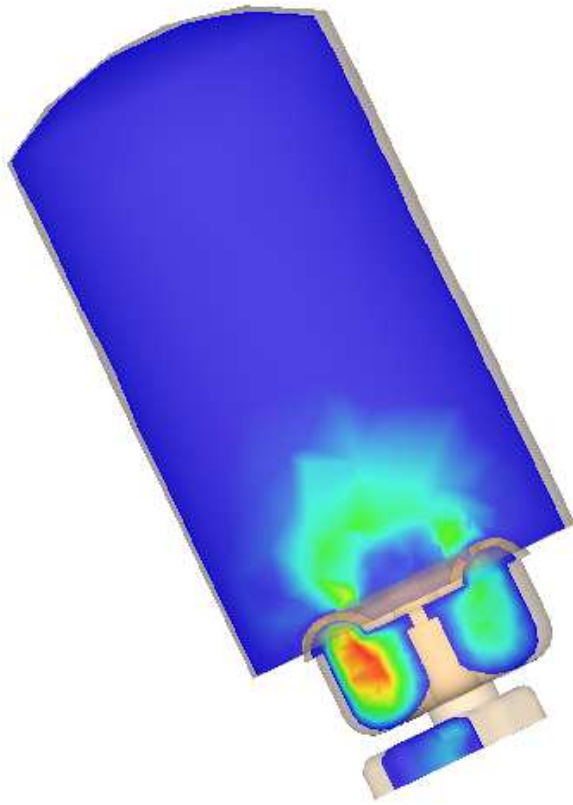
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Designed to allow the repositioning of the filter from the Ford vertical to a horizontal location, essential for low ground clearance applications and when running with a dry sump system. Fully CAD / CFD designed for optimum oil flow. It is available in two formats, RMPI4-1400 for dry sump application, and RMPI4-1405 for wet sump applications.

Two take offs are provided within the design for both oil pressure and temperature / data logger.



An example of irregularities of oil flow in the filter region that can lead to pressure fluctuations. Careful design of RMPI4-1400 has reduced these effects.



After the CAD model is finalised, an STL prototype is produced and tested on an engine running at 9500 rpm on our fully data equipped Dynamometer. The results are then compared to the initial design analysis. From this the final item is produced as a lightweight alloy casting and CNC machined for continual accuracy.

