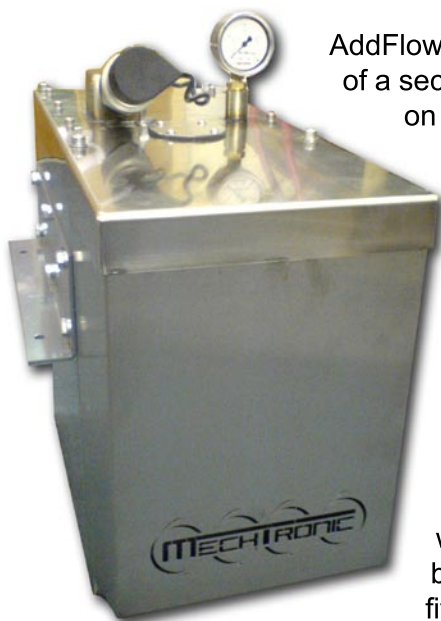


Additive injection system



AddFlow has been specifically designed for the dosing of a secondary product into the primary product flow on a vehicle based fuel oil delivery system.

A typical application of this system would be the dosing of an enhancing additive into a base product (Kerosene/Gas Oil/Diesel). The rate of dosing can be controlled to be directly proportional with the flow rate of the meter discharge.

The system comprises a dosing pump/controller, flow sensing valve (mechanical meter systems only) and an additive tank with low level sensor. These components can be purchased as individual items for ease of fitment if space is at a premium or as a single, self contained unit.

When AddFlow is used in conjunction with a mechanical meter then it is operated with a manual on/off switch and is therefore independent of the meter system. However, if used with a Maxflow electronic metering system the dosing pump is driven directly from the MaxFlow litre counter, becoming a completely integrated system.

In this MaxFlow electronic configuration, AddFlow is managed exclusively by the standard MaxFlow meter controls. This allows AddFlow to be automatically switched on and off when the product requiring additive is selected on the litre counter. On completion of the delivery the electronically produced ticket will print the product label. Example, 'Shell premium' or 'kerosene with additive'. In the event of the additive tank running dry then the tank mounted sensor would signal the control system via a visual/audible warning to the driver or can be interlocked in such a way as to not allow the delivery to take place until the tank is replenished.

As with all MechTronic systems AddFlow can be tailored to individual customer requirements to include all or part of the features mentioned above.



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