

## **Model L1000 -10 SAE - Installation and Maintenance**

The De-Bug Microbial Decontamination Unit should be fitted in the fuel line, ideally after any filter/water separator but before the main engine filter.

- When selecting a suitable location, try to ensure reasonable accessibility, and also on vehicles and equipment used in the open, that the unit is shielded from air currents to minimize possible wax formation in the fuel during cold weather.
- Obtain two 10mm bolts of suitable length, complete with nuts and washers. Mark out the mounting bolt holes at the selected point, drill two 10mm clearance holes, and then mount the unit, ensuring that the nuts are firmly tightened.
- The original fuel line must be cut and realigned to meet the inlet and outlet of the De-Bug unit (also ensure that the repositioned pipe contains no air traps in the new layout). Obtain the appropriate -10SAE threaded unions, fit to the ends of the fuel lines and then firmly tighten the unions into the De-Bug.
- After checking that all the bolt and unions are tight, and this includes the bolt securing the bowl of the unit itself at 6 Pounds Feet (lb.ft) or 8 Newton Metres (Nm), bleed the fuel system, using the bleed screw on the lid to remove all traces of air.
- The De-Bug Microbial Decontamination Unit is now ready for years of trouble free service.

### **Special Notes**

- In cases of heavy infestation it may be necessary, after the unit is first fitted, to remove the bowl from the unit once or twice and thoroughly clean it.
- In cases of very severe infestation, it may be necessary, as a preliminary measure, to clean the tank and fuel lines. This should be a once only requirement.

### **Guarantee**

- Provided the unit is properly fitted, and used, the L1000 is guaranteed to significantly reduce microbial contamination. The unit is guaranteed against manufacturing defects for twelve months.

### **Technical Specifications**



Application:	For diesel fuel, marine diesel, light oil and gas oil
Engine ratings:	250 to 600 horsepower
Flow rate:	Recommended up to 1000 litres per hour
Weight:	1.98 Kilograms
Size:	110mm deep by 194mm high by 114mm wide
Port Size:	-10 SAE Thread
Operating Pressure:	Up to 50psi
Materials:	LM6 marine grade, anti-corrosive aluminium alloy

The L1000 De-Bug unit requires little maintenance. Sludge and Water will settle in the bowl, which can be drained out at regular intervals using the drain plug fitted to the bowl base. Should metal from the fuel tank/lines congregate on the magnets, the bowl may be removed by releasing the bowl retaining bolt at the base of the unit and removing the bowl cover.