DE-BUG®

Microbial Decontamination Unit

Manufactured in New Zealand by
iManage Services Limited
Wellington
New Zealand.
http://www.de-bug.co.nz

Model L2000 - Installation and Maintenance

Installation

- Fit the L2000 De-Bug unit to the diesel engine's fuel system, ideally after any filter/water separator and before the main engine filter.
- Four 6mm mounting holes are incorporated to secure the unit.
- For maintenance a clearance of approximately 300mm is required to remove the bowl from the top.
- Brass fittings are recommended for the ports.
- Flow direction - fuel flows in via the central port and out via the outer port. (the flow direction of the unit shown in the picture below is right to left)

Guarantee

Provided the unit is properly fitted, and used, the L2000 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:	600 to 1200 horsepower
Flow rate:	Recommended up to 2000 litres per hour
Weight:	7.5 Kilograms
Size:	152mm diameter by 360mm high by 170mm deep
Port Size:	1" Hydraulic Connectors
Operating Pressure:	Up to 50psi
Materials:	316 Stainless Steel (powder coated)

Servicing

Normal Engine Service Periods:

Drain Sludge and water via the drain plug in the bowl base.

Full Service:

1. Check mounting bolts are tight and the unit is not hanging by the inlet and /outlet pipes.
2. Remove the bowl by first undoing the 8 stainless steel bolts which holds the bowl to the top then undo the two bracket bolts. Clean as appropriate.
3. When replacing the bowl be careful to avoid damage to the black plastic magnet spacers. If a spacer gets caught on the lip of the bowl don't force it but use a sharp pointer to run along the spacer to make sure that it is inside the bowl.
4. When securing the bowl to the top tighten the eight bolts evenly to at least 10 Pounds Feet (lb.ft) or 14 Newton Meters (Nm).

Warning!!

Due to the complicated assembly sequence of the magnet stack it is highly recommended that the stack be cleaned in its assembly. Incorrect reassembly of the magnet stack may result in restricted flow or complete non function of the unit.