



PURPOSE:

The purpose of this document is to provide our AC High Vol Fans and Damper combination installation instructions to fit your MAFI product & insure its effectiveness. **This is for A flow fans only.**

RESPONSIBILITY:

It is the owner / and or ship repairer's responsibility to correctly install the MAFI products. Any alteration or deviations should be carefully considered.

MAFI would appreciate all deviations to be referenced, made aware & noted for future reference.

WARRANTY:

For the AC high volume engine room fan to be covered under the full 3 year warranty, the vessel needs to have MAFI intake separator grilles installed to ensure the protection of the fan and engine room.

TOOLS, GUAGES & FIXTURES:

The installation kit provided contains the following items:

- Coloured Silicone Sealant
- M6 drill tap kit
- Coloured nylon isolation bushes
- M6 Stainless steel fixings
- Stainless steel metal self-tapping screws
- Isolation foam tape
- Fixing Template

VESSEL PREPARATION:

Confirm orientation and dry fit the AC high volume engine room fan.
NB: Pay special attention to the coverage area and also check clearances. Check that all surfaces are flat, allowing full contact.
It is critical that there is a minimum contact coverage of 90%.

MAFI also recommends the AC high volume engine room fan to be set as supply NOT extraction for best result with regard to the engine temperature.



AC/DC High Vol Fan & Damper (A Flow)

Installation Doc

1. Pencil mark the fixing holes with the fixing template (if supplied) in position. Take care to ensure the coating in the pre-drilled fixing holes is not damaged.
2. Add masking tape around the fan flange perimeter creating a 2mm gap around the flange to stop the sealant spreading over the surface.
3. Drill and tap or pre drill holes ready for self-tapping screws.
4. Unbolt the packing bolts from air damper to AC/DC high volume engine room fan
5. Scotch-brite key the hull fixing surface and clean all debris with isopropyl solution or similar.
6. Scotch-brite key the fan flange fixing surface and clean all debris with isopropyl solution or similar.
7. Place the Isolation foam tape on the fan flange.
8. Apply the provided sealant between the hull surface and the mounting flange surface generously.
9. Install the M6 stainless steel bolts or stainless steel self-tapping screws with the nylon isolation bushes through the air damper and fan, tensioning fasteners evenly around perimeter. NB: Do not tighten excessively. (Please see drawings details)
10. After tightening the fixings, a small bead of coloured sealant will form all round. Clean excess sealant off with soapy water (dishwashing detergent mixed with water) and bog application card (supplied in kit.)
11. Remove the masking tape and ensure all excess sealant is cleaned up neatly.

