



PURPOSE:

The purpose of this document is to provide our air damper installation instructions so you can fit your MAFI product correctly & ensure its effectiveness.

RESPONSIBILITY:

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

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

TOOLS, GUAGES & FIXTURES:

The installation kit provided contains the following items:

- Fire check Sealant
- Glue-in kit
- Air damper activation kit
- M6 stainless steel bolts
- Self-tapping stainless steel screws
- Coloured isolation bushes
- Isolation foam tape

VESSEL PREPARATION:

Confirm orientation and dry fit the air damper.

NB: Pay special attention to the coverage area along with checking clearances and that all surfaces are flat, allowing full contact. It is critical that there is a minimum contact coverage of 90%.



Installation Doc

1. Pencil mark the fixing holes with the template (if supplied) in position.
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 & tap referenced fixing holes for M6 supplied bolts or pre drill holes for supplied self-tapping screws.
4. Scotch-brite key the hull fixing surface & clean all debris with isopropyl solution or similar.
5. Use the provided fire check sealant or fire retardant gasket between the hull surface and the mounting flange.
6. Install the fasteners, tensioning fasteners evenly around perimeter (NB: Please check the isolation foam tape is fitted where & as per the drawing). Do not tighten excessively.
7. After tightening the fixings, a small bead of fire check sealant will form all round. Clean excess sealant off with soapy water (dishwashing detergent mixed with water) and bog application card (supplied in kit.)
8. Remove the masking tape & ensure all excess sealant is cleaned up neatly.
9. Run the Dynema activation cable from the damper to the activation point outside of the engine room. (Please see our Damper Actuator Installation Procedure)
10. Tension up the damper & test the activation of the damper.
11. Once tested leave damper open.

