MFC-G - Marine Firestop Collars

MFC300-600G Bulkhead Installation Instructions

1. Cut opening in bulkhead. If stiffeners are cut, continuously weld doubler plate to non-insulated side of bulkhead.

2. Install pipe, nominally centered within opening.

3. Apply MFS Marine Firestop Sealant into void between pipe and periphery of opening, creating a 13mm wide bead.

4. Wrap intumescent strip around pipe on insulated side of bulkhead and cut to size. Hold in place with tape, if necessary.

5. Position collar halves around wrap strip, inserting threaded bolts through slots in collar shell, and secure together using hardware provided.

6A. Secure collar to bulkhead via 12 symmetrically spaced 13mm wide stitch welds.

6B. As an alternative to a weld attachment, collar may be secured via stainless steel screws or nuts and bolts.

7. Install insulation (not included) on insulated side of bulkhead as specified in appropriate Type Approval.

8. Install one layer of MPACT® Filler Blanket (Cat. No.: MFB530F, not included) around the pipe on insulated side of bulkhead, according to the type approval certificate requirements.

9. Install insulation (not included) on non-insulated side of bulkhead as specified in appropriate Type Approval.

Note: Please refer to Type Approval Certificates for approved pipe types/sizes, insulation requirements, etc.
**MFC300-600G Deck Installation Instructions**

1. Cut opening in deck. If stiffeners are cut, continuously weld doubler plate to bottom side of deck.

2. Install pipe, nominally centered within opening.

3. Apply MFS Marine Firestop Sealant into void between pipe and periphery of opening, creating a 13mm wide bead.

4. Wrap intumescent strip around pipe on top side of deck and cut to size. Hold in place with tape, if necessary.

5. Position collar halves around wrap strip, inserting threaded bolts through slots in collar shell, and secure together using hardware provided.

6A. Secure collar to deck via 12 symmetrically spaced 13 mm wide stitch welds.

6B. As an alternative to a weld attachment, collar may be secured via stainless steel screws or nuts and bolts.

7. Install insulation (not included) top side of bulkhead as specified in appropriate Type Approval.

8. Install one layer of MPACT® Filler Blanket (Cat. No.: MFB530F, not included) around the pipe on top side of the deck according the type approval certificate requirements.

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Note: Please refer to Type Approval Certificates for approved pipe types/sizes, insulation requirements, etc.
INSTALLATION INSTRUCTIONS

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Note: Please refer to Type Approval Certificates for approved pipe types/sizes, insulation requirements, etc.

Min. 4.5 mm thick steel doubler plate required when bulkhead or deck stiffeners are cut. Doubler plate OD to be min. 275 mm larger than pipe OD. Overlap between doubler plate and division shall be min. 50 mm around entire perimeter of opening. Doubler plate centered over opening and continuously welded to non-insulated side of division.

Suggested opening diameter is max. 10 mm larger than OD of pipe.

### COLLAR DIMENSIONS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Doubler Plate</th>
<th>Flange Diameter (A)</th>
<th>Shell Diameter (B)</th>
<th>Min. Pipe Diameter</th>
<th>Max. Pipe Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFC300G</td>
<td>Optional</td>
<td>471 mm (18.6 in)</td>
<td>357 mm (14.1 in)</td>
<td>302 mm (11.9 in)</td>
<td>360 mm (14.2 in)</td>
</tr>
<tr>
<td>MFC350G</td>
<td>Optional</td>
<td>522 mm (20.6 in)</td>
<td>408 mm (16.1 in)</td>
<td>354 mm (13.9 in)</td>
<td>402 mm (15.8 in)</td>
</tr>
<tr>
<td>MFC400G</td>
<td>Optional</td>
<td>572 mm (22.6 in)</td>
<td>458 mm (18.1 in)</td>
<td>402 mm (15.8 in)</td>
<td>456 mm (18.0 in)</td>
</tr>
<tr>
<td>MFC450G</td>
<td>Optional</td>
<td>620 mm (24.4 in)</td>
<td>506 mm (19.9 in)</td>
<td>456 mm (18.0 in)</td>
<td>501 mm (19.7 in)</td>
</tr>
<tr>
<td>MFC500G</td>
<td>Required</td>
<td>671 mm (26.4 in)</td>
<td>557 mm (21.9 in)</td>
<td>501 mm (19.7 in)</td>
<td>555 mm (21.9 in)</td>
</tr>
<tr>
<td>MFC600G</td>
<td>Required</td>
<td>772 mm (30.4 in)</td>
<td>658 mm (25.9 in)</td>
<td>608 mm (23.9 in)</td>
<td>665 mm (26.2 in)</td>
</tr>
</tbody>
</table>

Note: Please refer to Type Approval Certificates for approved pipe types/sizes, insulation requirements, etc.