LFD LAMINAR FLOW DIFFUSER

NOM. INLET - 1/8 [3]

OPTIMAL DAMPER (OPEN POSITION SHOWN)

OPTIONAL EXTERNAL INSULATION

HANGER BRACKETS

T-BAR (NOT INCLUDED)
SEE: UNITEE OR OR HOOK

PLUG ONLY INCLUDED WITH
OPTIONAL FACE ADJUSTABLE DAMPER

PERFORATED FACE

OVERALL = NOMINAL SIZE - 1/4" [6]

SURFACE MOUNT DETAIL

SURFACE MOUNT
ACTUAL OPENING=
NOM. SIZE = 1 7/8 [21]

T-BAR MOUNT
CEILING MODULE =
NOMINAL SIZE

STEEL CHANNEL
BLOCKING & FASTENING
BY OTHERS. USE SHIMS
TO CENTER DIFFUSER IN
OPENING AGAINST
BLOCKING.

SURFACE MOUNT DETAIL

NOMINAL SIZES

<table>
<thead>
<tr>
<th>IMPERIAL</th>
<th>HARD METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>W x L</td>
<td>W x L</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x24 300x600</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x36 300x900</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x48 300x1200</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x60 300x1500</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x72 300x1800</td>
</tr>
<tr>
<td>6, 8, 10, 12</td>
<td>24x24 600x600</td>
</tr>
<tr>
<td>6, 8, 10, 12</td>
<td>24x36 600x900</td>
</tr>
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<td>24x72 600x1800</td>
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</tbody>
</table>

STANDARD CONSTRUCTION:
- SPOT WELDED CORNER SEAMS
- STAINLESS STEEL QUICK RELEASE [1/4 TURN] FASTENERS
- DUAL CHAMBER DESIGN - ENGINEERED EQUALIZATION BAFFLE
- STAINLESS STEEL RETAINER CABLES TWO PER UNIT

PLENUM MATERIAL:
- ALUMINUM
- STAINLESS STEEL - 304
- STEEL

PLENUM FINISH:
- WHITE POWDER COAT - B12
- STAINLESS STEEL - 2B

FACE AND FRAME MATERIAL:
- ALUMINUM (EXTRUDED FRAMES)
- STAINLESS STEEL - 304

FACE AND FRAME FINISH:
- WHITE POWDER COAT - B12
- STAINLESS STEEL - #4

OPTIONS:
- CONTINUOUSLY WELDED PLENUM, SPOT WELDED INLET (NOT AVAILABLE WITH STEEL PLENUM)
- 0.5" THICK ALUMINUM FOIL-BACKED FIBERGLASS EXTERNAL INSULATION
- BUTTERFLY DAMPER - WHITE POWDER COATED STEEL BLADES
- BUTTERFLY DAMPER - STAINLESS STEEL BLADES
- FACE ADJUSTABLE BUTTERFLY DAMPER - WHITE POWDER COATED STEEL BLADES
- FACE ADJUSTABLE BUTTERFLY DAMPER - STAINLESS STEEL BLADES

NOTES:
- FACTORY TOLERANCE: +/- 1/32(1)
- ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER: DK
CUSTOMER: LFD
SUBMITTAL DATE: 2017/10/24
SPEC SYMBOL: 266866

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LFD3 LAMINAR FLOW DIFFUSER

DIFFUSER:
- PERFORATED MATERIAL - ALUMINUM [18 GAUGE]
- PLENUM - ALUMINUM [16 GAUGE]
- DIFFUSER FRAMES - EXTRUDED ALUMINUM
- QUICK RELEASE [1/4 TURN] FASTENERS - STAINLESS STEEL
- CONE DAMPER - ALUMINUM

FINISH:
- DIFFUSER - B12 WHITE POWDER COAT
  (OPTIONAL FINISHES AVAILABLE)

OPTIONS:
- AFI-0.5: 0.5" THICK ALUMINUM FOIL - BACKED INSULATION
- FAP - DAMPER FACE ACCESS PLUG

NOTES:
- CONTINUOUSLY WELDED CORNERS
- REMOVABLE BAFFLE SPRING CLIPS
- TWO STAINLESS STEEL RETAINER CABLES PER UNIT
- FACTORY TOLERANCE +/- 1/32" [1]

Nominal Sizes

<table>
<thead>
<tr>
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<th>IMPERIAL</th>
<th>METRIC</th>
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<tbody>
<tr>
<td></td>
<td>L x W</td>
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</tr>
<tr>
<td>6, 7, 8</td>
<td>24 x 12</td>
<td>600 x 300</td>
</tr>
<tr>
<td>6, 7, 8</td>
<td>36 x 12</td>
<td>900 x 300</td>
</tr>
<tr>
<td>6, 7, 8</td>
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<td>1200 x 300</td>
</tr>
<tr>
<td>6, 7, 8</td>
<td>60 x 12</td>
<td>1500 x 300</td>
</tr>
<tr>
<td>6, 7, 8, 10, 12</td>
<td>24 x 24 [610 x 610]</td>
<td>600 x 600</td>
</tr>
<tr>
<td>6, 7, 8, 10, 12</td>
<td>36 x 24 [914 x 610]</td>
<td>900 x 600</td>
</tr>
<tr>
<td>6, 7, 8, 10, 12</td>
<td>48 x 24 [1219 x 610]</td>
<td>1200 x 600</td>
</tr>
<tr>
<td>6, 7, 8, 10, 12</td>
<td>60 x 24 [1524 x 610]</td>
<td>1500 x 600</td>
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All metric dimensions ( ) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
LFD3 LAMINAR FLOW DIFFUSER

SURFACE MOUNT

NOM. SIZE = 13/16" [21]
ACTUAL OPENING =

NOM. DUCT = 1/8" [3]

2" [51]

4 3/4" [12]

T-BAR MOUNT

OPTIONAL DAMPER
FACE ACCESS PLUG

CONE DAMPER

CEILING MODULE =
NOMINAL SIZE

OPTIONAL INSULATION

PERFORATED V BAFFLE
(REMOVABLE)

HANGER BRACKETS

REMOVABLE BAFFLE

PERFORATED EQUALIZATION
BAFFLE (REMOVABLE)

T-BAR
BY OTHERS

SURFACE MOUNT DETAIL:
[UNINSULATED PLENUMS ONLY]

DIFFUSER:
- PERFORATED MATERIAL - STAINLESS STEEL [20GAUGE]
- PLENUM - STAINLESS STEEL [20 GAUGE]
- DIFFUSER FRAMES - STAINLESS STEEL
- QUICK RELEASE [1/4 TURN] FASTENERS - STAINLESS STEEL
- CONE DAMPER - STAINLESS STEEL

FINISH:
- #4 FINISH ON ALL EXPOSED SURFACES

OPTIONS:
- AFI-0.5: 0.5" THICK ALUMINUM FOIL - BACKED INSULATION
- FAP: DAMPER FACE ACCESS PLUG

NOTES:
- CONTINUOUSLY WELDED CORNERS
- REMOVABLE BAFFLE SPRING CLIPS
- TWO STAINLESS STEEL RETAINER CABLES PER UNIT
- FACTORY TOLERANCE +/- 1/32" [1]

NOMINAL SIZES

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PROJECT:

ENGINEER: DK

CUSTOMER: LFD3

SUBMITTAL DATE: DEC 2013

SPEC. SYMBOL: 262178

STAINLESS STEEL CONSTRUCTION