FlowBar™ Architectural Ceiling Diffusers
Aluminum • FlowBar Linear

Models:
- FL-10 • 1" Slot
- FL-15 • 1 1/2" Slot
- FL-20 • 2" Slot
- FL-25 • 2 1/2" Slot
- FL-30 • 3" Slot

Dimensions are in inches.

<table>
<thead>
<tr>
<th>Model</th>
<th>S</th>
<th>Slot Width</th>
<th>W</th>
<th>A</th>
<th>Border Width</th>
<th>C</th>
<th>Border Width</th>
<th>D</th>
<th>Border Width</th>
<th>H</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-10</td>
<td>1</td>
<td>2 3/4</td>
<td>7/8</td>
<td>1 5/8</td>
<td>1 3/8</td>
<td>1 11/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-15</td>
<td>1 1/2</td>
<td>3 3/4</td>
<td>1 1/8</td>
<td>1 7/8</td>
<td>1 5/8</td>
<td>1 11/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-20</td>
<td>2</td>
<td>4 3/4</td>
<td>1 3/8</td>
<td>2 1/8</td>
<td>1 7/8</td>
<td>1 11/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-25</td>
<td>2 1/2</td>
<td>5 3/4</td>
<td>1 5/8</td>
<td>2 1/8</td>
<td>2 1/8</td>
<td>2 5/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FL-30</td>
<td>3</td>
<td>6 3/4</td>
<td>1 7/8</td>
<td>2 3/8</td>
<td>2 3/8</td>
<td>2 5/16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Border Type 11
Border Type 12
Border Type 14
Border Type 16
Border Type 22
Border Type 26
Border Type 55

Pattern Controllers

- High Throw (standard)
- Jet Throw (optional)
FlowBar Concealed Fastening

Border Type 77

Border Type 77 (Concealed Fastening) uses Border Type 66 extrusions and adds mounting brackets, #10 x 2 1/2 screws, and clearance holes in the spreaders for the screws at each segment end.

Optional FlowBar Cross

No. Slot Width L W A L W A L W A
1 8 3/4 2 3/4 6 9 1/4 3 3/4 5 1/2 9 1/2 4 1/4 5 1/4
1 1/2 9 3/4 3 3/4 6 10 1/4 4 3/4 5 1/2 10 1/2 5 1/4 5 1/4
2 10 3/4 4 3/4 6 11 1/4 5 3/4 5 1/2 11 1/2 6 1/4 5 1/4
1/2 11 3/4 5 3/4 6 12 1/4 6 3/4 5 1/2 12 1/4 6 3/4 5 1/2
3 12 3/4 6 3/4 6 13 1/4 7 3/4 5 1/2 13 1/4 7 3/4 5 1/2
Note: Slot is blanked off

Optional FlowBar Mitered Corner

No. Slot Width L W A L W A L W A
1 11 3/16 5 3/16 6 11 11/16 8 3/16 5 1/2 NA NA NA
1 1/2 13 3/16 7 3/16 6 13 11/16 8 3/16 5 1/2 NA NA NA
2 15 3/16 9 3/16 6 15 11/16 10 3/16 5 1/2 NA NA NA
2 1/2 17 3/16 11 3/16 6 17 11/16 12 3/16 5 1/2 NA NA NA
3 19 3/16 13 3/16 6 19 11/16 14 3/16 5 1/2 NA NA NA
Note: Slot is blanked off

Optional Two Slot Units

Model Slot Width S B W WN
FL-10 1 1 7/16 5 3/16 6 1/16
FL-15 1 1/2 1 15/16 7 3/16 8 1/16
FL-20 2 2 7/16 9 3/16 10 1/16
FL-25 2 1/2 2 15/16 11 3/16 12 1/16
FL-30 3 3 7/16 13 3/16 14 1/16
All dimensions are in inches.
Hanger & Mounting Clips

- **UHC – Upper Hanger Clip**: Suspend the FlowBar assembly from the ceiling structure using standard hanger wire.
- **USH – Upper Support Hanger**: Suspend one side of the FlowBar assembly from the ceiling structure.
- **SC1 – Spline Clip**: Support Border Type 11 on Bolt-Slot type suspension systems.
- **SS1 – Spline Support Clip (field formed)**: Integrate standard drop “Tees” with FlowBar assembly.
- **SS1 – Connector Clip (as shipped)**: Adjoin multiple sections of FlowBar.
- **H1 – Hard Ceiling Clip**: Used for mounting Border Types 66 or 16 with standard 5/8” gyp board.
- **H2 – Hard Ceiling Clip**: Used for mounting Border Types 11 or 16 with standard 5/8” gyp board.
- **H3 – Hard Ceiling Clip**: Can be used to mount Border Type 22 with standard 5/8” gyp board.
- **H3 – Hard Ceiling Clip**: Used to mount short side of Border Type 14 with standard 5/8” gyp board.
- **SC1 – Spline Clip**: Used for mounting Border Types 66 or 16 with standard 5/8” gyp board.
- **H3 – Hard Ceiling Clip**: Mounts the long side of assembly with Border Type 14 border for 5/8” gyp board.
- **WC2 – Wall Clip**: Mounts Border Types 11, 66, or 16 away from a wall when a reveal is required. This reveal can be used as a return air slot.
- **WC3 – Wall Clip**: Mounts Border Types 11 or 16 flush to a wall.
- **WC4 – Wall Clip**: Used for flush mounting Border Types 66 or 16 to a wall.
### Optional Accessories

#### Optional Blank-Offs

<table>
<thead>
<tr>
<th>Model</th>
<th>FBO-10</th>
<th>FBO-15</th>
<th>FBO-20</th>
<th>FBO-25</th>
<th>FBO-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Blankoffs are painted black. Not available for curved FlowBar. Provided in 72" lengths. Field cut to length.

#### Optional Return Hood/Light Shield

<table>
<thead>
<tr>
<th>Model</th>
<th>FBR-10</th>
<th>FBR-15</th>
<th>FBR-20</th>
<th>FBR-25</th>
<th>FBR-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Return Hoods are 51% free area. Finish is #84 black.

#### Optional FBP or FBPI Plenum

(Endcaps are not insulated on FBPI)

<table>
<thead>
<tr>
<th>Model</th>
<th>Model</th>
<th>FBP-10</th>
<th>FBP-15</th>
<th>FBP-20</th>
<th>FBP-25</th>
<th>FBP-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For dimensional information and drawings of Optional FlowBar plenum, FBP and FBPI, please refer to submittal AP-FBP.

#### CFB – Concealed Fastener Mounting Bracket

Supplied with border 77. Available separately.

#### NS – Sound Stop

Sound Stop

---

### Optional FlowBar Inlet Damper

<table>
<thead>
<tr>
<th>Inlet</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>5 1/4</td>
</tr>
<tr>
<td>8&quot;</td>
<td>5 1/4</td>
</tr>
<tr>
<td>10&quot;</td>
<td>5 1/4</td>
</tr>
<tr>
<td>12&quot;</td>
<td>8</td>
</tr>
</tbody>
</table>

Note: Inlet damper shipped loose.
### End Fabrication

Check if provided.

<table>
<thead>
<tr>
<th>Border Type</th>
<th>Slot Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>SX (Straight) End Border</td>
<td>Y Open End</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Border Type</th>
<th>Slot Width</th>
<th>SX</th>
<th>SXY</th>
<th>YY</th>
<th>ECXX</th>
<th>ECXY</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>2</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>21/2</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>3</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>22/55</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>66/77</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>14</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
<tr>
<td>16</td>
<td>NA</td>
<td>D+3/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
<td>D+1/8</td>
<td>D+1/16</td>
</tr>
</tbody>
</table>

(NA) indicates not available
Dimensions in inches
D = ordered or specified length

### Standard Finish:

- #26 - White border face, black interior surfaces
- #84 – Face and all interior surfaces are black.

All borders except 2 and 5
Borders 2 and 5 only.

### General Description

- Continuous length segments are furnished in 72” or optional 144”.
- Spline clips are furnished for joining segments.
- The number and length of non-maximum segments are determined by the factory.
- Pattern controllers change direction of the air flow. Maximum length is 24". Pattern controllers are furnished in multiple sections for diffusers longer than 24”.
- Endcaps are not insulated on Plenum model FBPI
- Diffuser material is extruded aluminum.
- Assembled one slot unit weighs approximately 1 lb./ft.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage-retrieval system without permission in writing from Air Distribution Technologies.