APPLICATION
- Versatile supply air diffuser for constant or variable air volume heating, cooling, or ventilating
- Directed air diffusion for space coverage with great flexibility in space layout and geometry, and diffuser location
- Return air use to maintain matched appearance
- Surface mounted or suspended grid systems

PRODUCT FEATURES
- Square or rectangular neck sizes up to 57" in 3" increments
- 5 “application specific” air distribution patterns – 1 way, 2 way opposite, 2 way corner, 3 way, and 4 way
- Removable / interchangeable cores for cleaning or changing air distribution needs, without tools.
- Concealed core attachment – NO screws
- Arctic White baked-on finish

DIFFUSER OPTIONS
- Steel, aluminum, or stainless steel construction
- Steel, aluminum, or stainless steel opposed blade volume control damper (Model DOB)
- Square to round duct adapter (Model SRA)
- Equalizing deflector (Model DED) to provide uniform air flow
- Throw Reducing Vanes (Model TRV) direct air to the corners
- Pattern Flaps (Model PF) adjust air pattern from horizontal to vertical
- All aluminum construction for MRI applications

GRID MODULE SIZE - 1/4
NOM DUCT SIZE = NOM NECK SIZE
NOM NECK - 1/8 O.D.
GRID MODULE SIZE

MODEL DP
24 x 24 module size, 12 x 12 neck, pattern 41 shown

<table>
<thead>
<tr>
<th>GRID MODULE SIZE</th>
<th>MAX NECK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 X 12</td>
<td>9 X 9</td>
</tr>
<tr>
<td>12 X 24</td>
<td>9 X 21</td>
</tr>
<tr>
<td>24 X 24</td>
<td>21 X 21</td>
</tr>
<tr>
<td>24 X 48</td>
<td>21 X 45</td>
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<tr>
<td>48 X 48</td>
<td>45 X 45</td>
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</tbody>
</table>

Model DP - Lay-In T-Bar

Model DP

Model DD

9/16 NARROW SLOT
**Product Description**

**Model DF - Surface Mounted**

- CEILING OPENING = NOM NECK + 3-1/2
- NOM DUCT SIZE = NOM NECK SIZE
- NOM NECK - 1/8 O.D.
- NOM NECK + 5-9/16

**Model DM - Surface Mounted with Beveled Frame**

- CEILING OPENING = NOM NECK + 2
- NOM DUCT SIZE = NOM NECK SIZE
- NOM NECK - 1/8 O.D.
- NOM NECK + 4-15/16

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**Core Patterns (Plan View)**

<table>
<thead>
<tr>
<th></th>
<th>4 Way</th>
<th>3 Way</th>
<th>2 Way</th>
<th>1 Way</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Square</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>41</td>
<td><img src="image" alt="Pattern 41" /></td>
<td>31</td>
<td><img src="image" alt="Pattern 31" /></td>
<td>21</td>
</tr>
<tr>
<td><strong>Rectangular</strong></td>
<td></td>
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<tr>
<td>42</td>
<td><img src="image" alt="Pattern 42" /></td>
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<tr>
<td>33</td>
<td><img src="image" alt="Pattern 33" /></td>
<td>26</td>
<td><img src="image" alt="Pattern 26" /></td>
<td>27</td>
</tr>
</tbody>
</table>
APPLICATION

• Accessory used to redirect supply air into the corners of directional type diffusers
• Reduced throw distances due to contiguous air discharge pattern for increased entrainment of room air with improved coverage
• Increased location flexibility
• Recommended for constant or variable air volume heating, cooling, or ventilating

PRODUCT FEATURES

• Vanes are factory attached to the back of the removable diffuser core
• Available with any size diffuser

SMOKE TEST

STANDARD D-DIFFUSER

D-TRV DIFFUSER
model PF
Pattern Flaps For D Diffusers

APPLICATION
- Accessory used for manual adjustment of discharge air pattern from horizontal to vertical projection
- Solves difficult air distribution applications for both heating and cooling of spaces, particularly with large floor-to-ceiling heights
- Intermediate control of air direction for both heating and cooling where seasonal changes of flap position are unrealistic
- Virtually invisible when in the UP position

FEATURES
- Flaps constructed from heavy extruded aluminum
- Factory attached to any one of Anemostat’s standard Model D outer frames – can also be field attached
- Effective in neck sizes 6” x 6” up to 24” x 24” (no more than 1 ft² of active neck area in a single direction)
- Same finish as diffuser

Note: Flaps can only be applied in blow direction. (e.g. 2 way opposite blow pattern will have 2 flaps only)

INSTALLATION TIP
Remove shipping clips prior to installation for removable core.