APPLICATION AND DESIGN

Model RI-F-O is an oval control damper with a flanged style frame. It is designed to control airflow and provide shut off in HVAC or industrial process control systems. A variety of optional features makes Model RI-F-O extremely versatile, allowing its capabilities to be tailored to the application.

RATINGS

Pressure: up to 6 in w.g. - differential pressure (see chart)
Velocity: up to 2600 fpm
Temperature: 190° F

STANDARD CONSTRUCTION

(see table below for specifics)

Flange width: 1-3/8" [34,925mm]
Blades: Steel, reinforced as required
Axles: 1/2" [12.7mm] Ø solid aluminum, 3/4" [19.05mm] Ø steel (sizes above 32" [812.8mm] Major Axis)
Bearings: Bronze sleeve
Frame/Blade Gauge: 18 ga thru 58" [1473.2mm] Major Axis, 16ga thru 66" [1676.4mm] Major Axis
Blade Seals: crosslink closed cell (190°)
Mounting Plate: 20ga, galvanized steel

OPTIONS

☐ Silicone Blade Seal (400°F (204°C))
☐ Bearings (stainless steel)
☐ Hand Quadrant
☐ Stainless Steel Construction
  (3/4" [19.05mm] flange for 16" [406.4mm] Major Axis and under; 1-3/8" [34.925mm] flange for above 16")
  ☐ 304 S.S.
  ☐ 304L S.S.
  ☐ 316 S.S.
  ☐ 316L S.S.
☐ Aluminum Construction
  (1" [25.4mm] flange for 16" [406.4mm] Major Axis and under; 1-3/8" [34.925mm] flange for above 16")
☐ Nylon 6/6 Bushing
  (for aluminum construction)
☐ Powder Coated Epoxy

BLADE/FRAME SECTIONS

Without Blade Seal
With Blade Seal and single point stop

MAXIMUM VELOCITY

<table>
<thead>
<tr>
<th>Major Axis</th>
<th>FPM</th>
<th>Maximum Pressure Differential</th>
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<tbody>
<tr>
<td>4&quot; - 9&quot;</td>
<td>2600</td>
<td>6&quot; [152.4mm]</td>
</tr>
<tr>
<td>10&quot; - 13&quot;</td>
<td>2400</td>
<td>5&quot; [127mm]</td>
</tr>
<tr>
<td>14&quot; - 19&quot;</td>
<td>2300</td>
<td>4&quot; [101.6mm]</td>
</tr>
<tr>
<td>20&quot; - 25&quot;</td>
<td>2300</td>
<td>3&quot; [76.2mm]</td>
</tr>
<tr>
<td>26&quot; - 31&quot;</td>
<td>2200</td>
<td>2.5&quot; [63.5mm]</td>
</tr>
<tr>
<td>32&quot; - 39&quot;</td>
<td>2000</td>
<td>2&quot; [50.8mm]</td>
</tr>
<tr>
<td>40&quot; - 49&quot;</td>
<td>1800</td>
<td>2&quot; [50.8mm]</td>
</tr>
<tr>
<td>50&quot; - 59&quot;</td>
<td>1600</td>
<td>1.5&quot; [38.1mm]</td>
</tr>
<tr>
<td>60&quot; - 66&quot;</td>
<td>1400</td>
<td>1&quot; [25.4mm]</td>
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</table>

Job Name:  
Location:  
Architect:  
Engineer:  
Contractor:  

☐ MODEL RI-F-O

DRAWN BY:  
DATE:  
REV. DATE:  

REV. NO.  
APPROVED BY:  
DWG. NO.:  

CLJ  
07-01-99  
11-10-15  

MD  
D-2