Airflow Distribution

At the heart of every efficient ventilation system is a well designed chimney or inlet. AP air inlets and chimneys provide you with the precise control and distribution of airflow into or out of any type of ventilation systems.

**NATURAL CHIMNEY VENTILATION**

AP offers natural ventilation chimneys featuring durable UV resistant laminated panels and chimney cap. These units are quick and easy to install with a damper hardware kit included with each chimney.

- Energy savings and low maintenance
- Corrosion resistant hardware & aluminum framework
- Insulated panels & damper reduce condensation
- Optional winter closure door available
- Roof flashing kit available

**ACTUATED CEILING INLETS**

Actuated ceiling inlets are available in a 2500 to 4000 CFM bidirectional or 2500 CFM unidirectional model. Inlets are available with stainless steel or plastic housings.

- Delivers precise air speeds to enhance room air quality
- When connected to the EDGE® or Expert control system, ventilation rates adjust to the ventilation stage and temperature requirements
- Eliminates back drafts and heat loss*
- Stainless steel inlets are insulated to help reduce condensation
- Hardware package & insulation stop with every inlet
- Pressure washer friendly

* Based on a six site evaluation in Iowa, from October 2010 thru April 2011, an average 21.76% propane savings were realized with the use of AP’s actuated inlets versus counterweighted. (ACI-4000P2 vs. I-2000)
**NON-ACTUATED CEILING AND WALL INLETS**

The counterweighted baffle system allows the 12” baffle to become automatic without the use of mechanical static pressure control. Bi-flow ceiling inlets come in two sizes; 1000 CFM and 2700 CFM.

- Opens automatically based off negative static pressure supplied by the exhaust fans
- Ceiling inlets available in bi-fold or four sided models
- Available in top hinged counter balanced model for wall inlets
- Plastic and aluminum housing and doors for corrosion resistant life span
- Hardware package & insulation stop with every inlet
- Pressure wash friendly

**ACTUATED PVC WALL INLETS**

PVC wall inlets are field cut to length on site allowing your system to be customized for a perfect fit every time. Panel dimensions are 1.5” thick x 30” tall x 24’ long.

- Delivers precise air speeds to enhance room air quality without chilling the pigs
- When connected to the EDGE® or Expert control system, ventilation rates adjust to the ventilation stage and temperature requirements of the room or barn
- Adapt to many installation configurations
- Low maintenance with high dependability

**ADJUST-A-BAFFLE™ SYSTEMS**

Adjust-A-Baffle is constructed using one-inch thick polystyrene with a rugged plastic coating fastened to UV stabilized PVC channels.

- Make any length possible in sizes 8”, 12”, 16”, 18”, and 24”
- Flexible PVC hinge and sealing strip slide into the PVC channels
- Stainless steel cable or rod hardware packages available
- Pressure washer friendly
PROVEN & DEPENDABLE™

In today's competitive market place, it is essential to maximize the efficiency and performance of your swine production facilities. AP is the industry leader in the manufacture of proven and dependable swine production equipment designed to help you meet these goals.

MAXIMUM INLETS PER ACTUATOR & MAXIMUM RUN LENGTH

<table>
<thead>
<tr>
<th>ACTUATOR TYPE</th>
<th>MAXIMUM NUMBER OF INLETS PER CONTROLLER</th>
<th>MAXIMUM RUN LENGTH (FEET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Air Controller</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>Curtain Controller</td>
<td>48</td>
<td>72</td>
</tr>
</tbody>
</table>

*For maximum accuracy limit run length to 150 feet.

RATED AIRFLOW

DOOR OPENING ACTUATOR TRAVEL

<table>
<thead>
<tr>
<th>INLET MODEL</th>
<th>DOOR POSITION AT FULL CFM RATING</th>
<th>DOOR POSITION RESTRICTED TO HORIZONTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rated CFM @ 0.10 Static Pressure</td>
<td>Maximum Opening (in)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rated CFM @ 0.10 Static Pressure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Opening at Horiz. (in)</td>
</tr>
<tr>
<td>ACI-2-4000</td>
<td>4000</td>
<td>8.0</td>
</tr>
<tr>
<td>ACI-2-1500</td>
<td>2000</td>
<td>8.0</td>
</tr>
<tr>
<td>ACI-4000P2</td>
<td>4100</td>
<td>8.0</td>
</tr>
<tr>
<td>ACI-2500P2</td>
<td>2200</td>
<td>8.0</td>
</tr>
<tr>
<td>ACI-2-3000</td>
<td>3100</td>
<td>12.0</td>
</tr>
<tr>
<td>ACI-1-2500</td>
<td>2500</td>
<td>12.0</td>
</tr>
<tr>
<td>ACI-2700P</td>
<td>2400</td>
<td>9.0</td>
</tr>
</tbody>
</table>

Refer to the actuator manual to set limit switches in the actuator for the proper amount of travel needed.

If the pulley ratio is 1:1 the travel needed in the actuator is the same as the maximum opening listed above.

If the pulley ratio is 2:1 the travel needed in the actuator is twice the maximum opening listed above.

Tension Spring Specifications (AP-2877)

Initial Length = 31 inches
Initial Load = 19 lbs
Full Extension Length = 57 inches
Full Extension Load = 81 lbs

Related Products & Accessories

Control Systems  Tunnel Doors  Ventilation Fans  Positive Pressure Systems