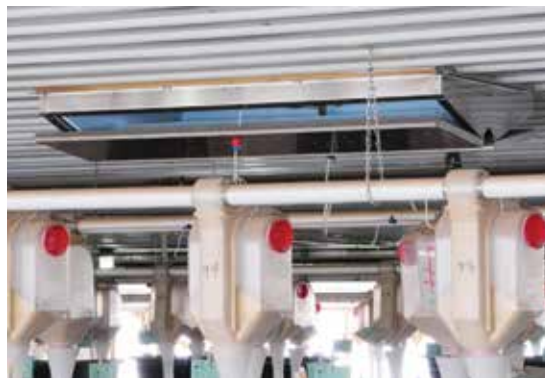




VENTILATION SYSTEMS  
**CHIMNEYS & INLETS**



## 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



24" CHIMNEY

36" CHIMNEY

### 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



ACI-2-4000  
ACTUATED CEILING INLET



ACI-2700P  
ACTUATED CEILING INLET



ACI-4000P2  
ACTUATED CEILING INLET



Actuated ceiling inlets include  
factory installed pulleys

\* 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



COUNTERWEIGHTED BAFFLE



BI-FLOW CEILING INLET



CBIA-3000  
COUNTERWEIGHTED  
BAFFLE



CAI-2700  
CEILING INLET

*All AP Inlets are pressure wash friendly for easy cleaning*

## 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
- Pressure washer friendly
- 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

ACTUATOR TYPE	MAXIMUM NUMBER OF INLETS PER CONTROLLER		MAXIMUM RUN LENGTH (FEET)
	1:1 Pulley Ratio	2:1 Pulley Ratio	
Auto-Air Controller	16	24	150
Curtain Controller	48	72	150

\* For maximum accuracy limit run length to 150 feet.

## RATED AIRFLOW DOOR OPENING ACTUATOR TRAVEL

INLET MODEL	DOOR POSITION AT FULL CFM RATING		DOOR POSITION RESTRICTED TO HORIZONTAL	
	Rated CFM @ 0.10 Static Pressure	Maximum Opening (in)	Rated CFM @ 0.10 Static Pressure	Opening at Horiz. (in)
ACI-2-4000	4000	8.0	2400	4.5
ACI-2-1500	2000	8.0	1400	4.5
ACI-4000P2	4100	8.0	2500	4.5
ACI-2500P2	2200	8.0	1500	4.5
ACI-2-3000	3100	12.0	2100	5.0
ACI-1-2500	2500	12.0	1150	5.0
ACI-2700P	2400	9.0	N.A.	N.A.

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.

## INLET ROUGH OPENING SPECIFICATIONS

PART NUMBER	DESCRIPTION	ROUGH OPENING	
		Width (in)	Length (in)
ACI-4000P2	2 Way Actuated Ceiling Inlet Plastic	19.00	46.50
ACI-2500P2	2 Way Actuated Ceiling Inlet Plastic	19.00	27.00
ACI-2700P	2 Way Actuated Ceiling Inlet Plastic	25.50	25.50
ACI-1-2500	1 Way Actuated Ceiling Inlet SS	12.00	46.50
ACI-2-3000	2 Way Actuated Ceiling Inlet SS	28.50	28.50
ACI-2-4000	2 Way Actuated Ceiling Inlet SS	21.50	46.50
CAI-1000CW	Ceiling Air Inlet, Laminated Baffle	17.00	17.00
CAI-2700CW	Ceiling Air Inlet, Laminated Baffle	25.50	25.50
CBIA-3000	Wall Inlet w/Counter - Weighted Baffle	13.50	46.50
AP-2875	24" Natural Ventilation Chimney	25.75	25.75
AP-5167	36" Natural Ventilation Chimney	36.50	36.50

### Tension Spring Specifications (AP-2877)

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

## Related Products & Accessories



Control Systems



Tunnel Doors



Ventilation Fans



Positive Pressure Systems



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