

CHIMNEY & INLET VENTILATION

AUTOMATED PRODUCTION SYSTEMS



AP air inlets and chimney systems provide you with the precise control and distribution of incoming air flow into or out of any type of ventilation systems

air flow

control and distribution



NATURAL CHIMNEY AND INLET VENTILATION ▲

At the heart of every efficient ventilation system is a well designed chimney or inlet. AP chimneys and inlets are engineered for energy savings, low maintenance, and lasting durability.



ACTUATED AND NON-ACTUATED INLETS ▲

AP offers several actuated and non-actuated inlets in both ceiling and wall mounted styles to fit your particular air flow requirements.



BAFFLE SYSTEMS ▲

AP's counterweighted baffle and Adjust-A-Baffle™ system are designed with unique advantages for successfully directing airflow and ideal for use in pre-heated hallways and other custom applications.



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NATURAL CHIMNEY VENTILATION

- Energy savings & low maintenance
- Quick & easy installation
- Durable UV resistant laminated panels and chimney cap
- Corrosion resistant hardware & aluminum framework
- 1" insulated panels & damper reduce condensation
- Damper hardware kit included with chimney
- Chimney extensions available in 4' & 6' lengths
- Optional winter closure door available
- Roof flashing kit available



ACTUATED CEILING INLETS

- Delivers precise air speeds to enhance room air quality
- When connected to the Expert control system ventilation rates adjust to the ventilation stage and temperature requirements of the room or barn
- Eliminates back drafts and heat loss*
- Available in single or double sided models
- Models available in stainless steel or plastic housing and doors
- Stainless steel inlets are insulated to help reduce condensation
- Hardware package & insulation stop with every inlet
- Pressure washer friendly



Actuated ceiling inlets include factory installed pulleys

Our natural chimney vent features 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.



Actuated ceiling inlets are available in a 2500 to 4000 CFM bi-directional or 2500 CFM uni-directional model. These inlets are available in both stainless steel or plastic housings.



ACI-2-4000
Actuated Ceiling Inlet



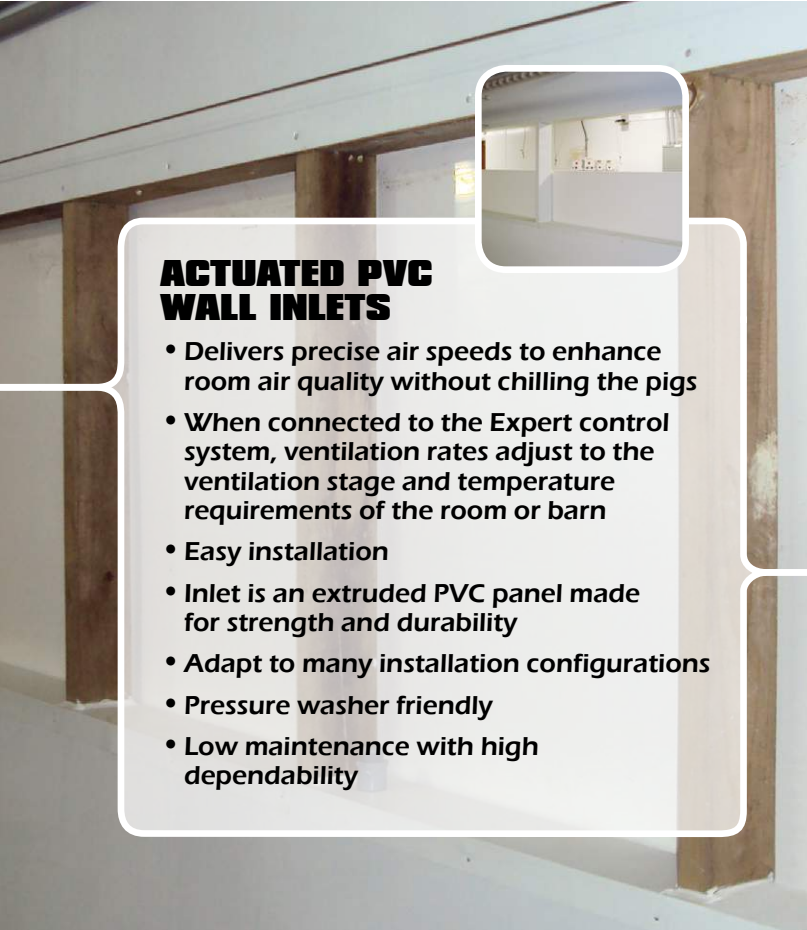
ACI-2700P
Actuated Ceiling Inlet



ACI-4000P2
Actuated Ceiling Inlet

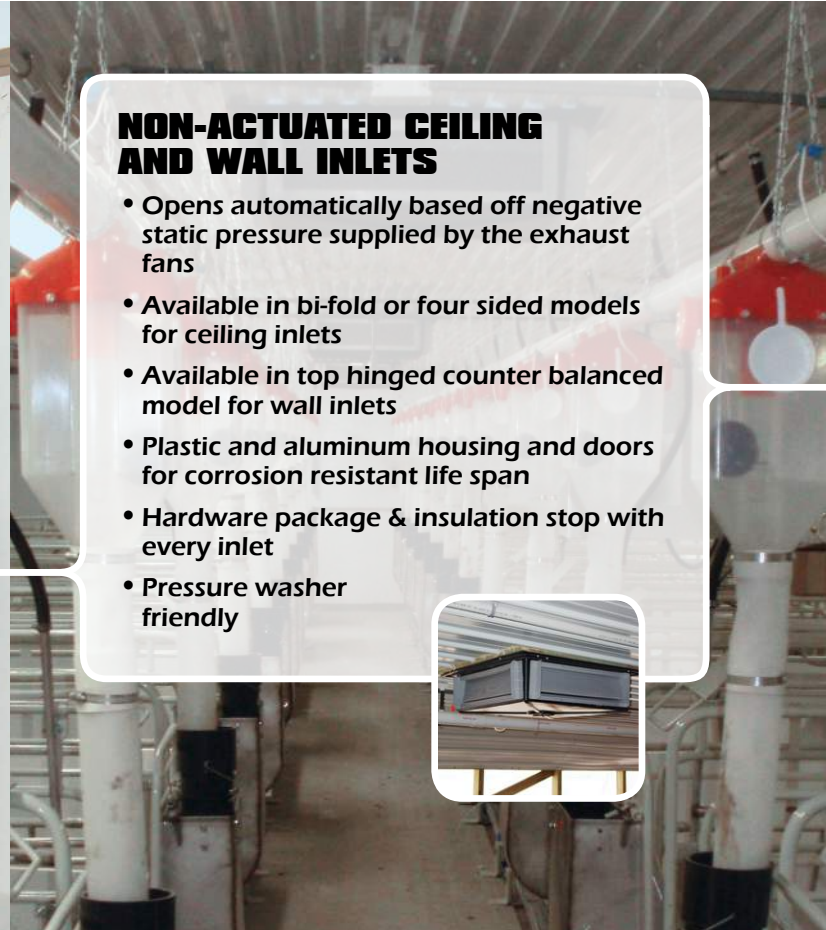
* Based on a six site evaluation in Iowa, from October 2010 thru April 2011, an average 21.76% propane savings were realized with the use of AP's actuated inlets versus counterweighted.
(ACI-4000P2 vs. I-2000)





ACTUATED PVC WALL INLETS

- Delivers precise air speeds to enhance room air quality without chilling the pigs
- When connected to the Expert control system, ventilation rates adjust to the ventilation stage and temperature requirements of the room or barn
- Easy installation
- Inlet is an extruded PVC panel made for strength and durability
- Adapt to many installation configurations
- Pressure washer friendly
- Low maintenance with high dependability



NON-ACTUATED CEILING AND WALL INLETS

- Opens automatically based off negative static pressure supplied by the exhaust fans
- Available in bi-fold or four sided models for ceiling inlets
- 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 washer friendly



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.



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.



C-2000
Ceiling Air Inlet



CAI-2700
Ceiling Inlet



CBIA-3000
Counterweighted
Baffle System



BIL3000 and 4000
second stage shutter type
wall inlets available.



ADJUST-A-BAFFLE™ SYSTEMS

From the originators of the plastic adjustable air baffle comes the most versatile baffle type air delivery system available. Adjust-A-Baffle is constructed using one-inch thick polystyrene with a rugged plastic coating fastened to UV stabilized PVC channels.

FEATURES INCLUDE:

- The finest most versatile baffle type air delivery system available
- 1" 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 & sealing strip slide into the PVC channels
- Stainless steel cable or rod hardware packages available
- Pressure washer friendly



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	7.5	2500	4.5
ACI-4000P2	4300	6.5	2900	4.5
ACI-2500P2	2500	8.5	905	3
ACI-2-3000	3000	11.5	1400	5
ACI-1-2500	2500	11	1200	5
ACI-2700P	2300	9.75	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
C-2000	4-Way Inlet Plastic	29.00	29.00
CBIA-3000	Wall Inlet w/Counter - Weighted Baffle	13.50	46.50
BIL-4000	Balance Louver for Hallways Plastic	23.00	43.50
BIL-3000	Balance Louver for Hallways Plastic	23.00	29.25
AP-2875	Natural Ventilation Chimney	25.75	25.75

Tension Spring Specifications (AP-2877)

Initial Length = 31 inches
Initial Load = 19 lbs

Full Extension Length = 57 inches
Full Extension Load = 81 lbs

Your Source for Innovative Solutions.



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