



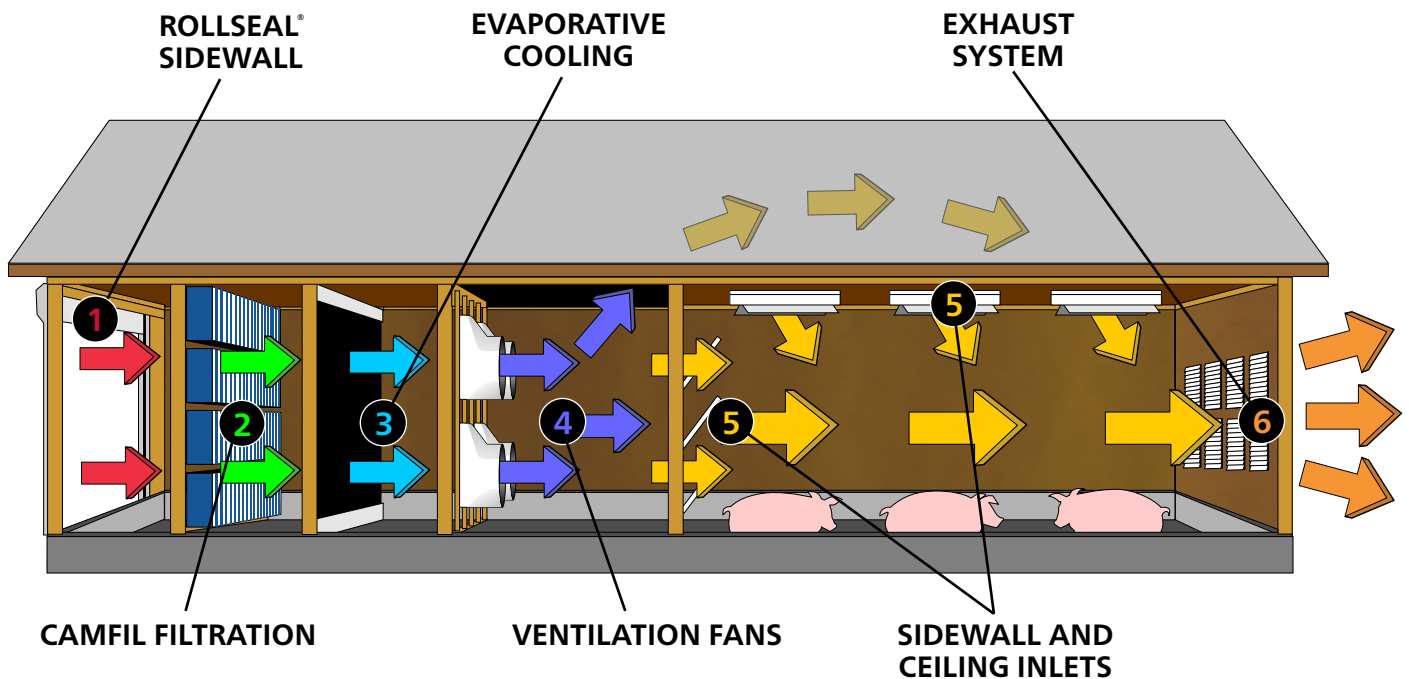
ESSENTIAL RISK MANAGEMENT POSITIVE PRESSURE



POSITIVE PRESSURE

Protect Your Investment

Positive pressure ventilation systems are designed to force filtered air out of a building reducing the chance of exposure to airborne pathogens which is more prevalent with traditional negative pressure designs. With integrated Camfil filtration and evaporative cooling, combined with the reliability and benefits of the EDGE® controller, AP's positive pressure system is an effective solution for maintaining healthy air quality for your animals.



1 Outdoor air enters the AP positive pressure system through the optional RollSeal® sidewall which adjusts to your air intake requirements. **2** It then passes through the Camfil filtration system providing over a 95% particle capture efficiency on the most virulent particle sizes (1µm-3µm).* **3** The air continues through the AP Komfort Kooler evaporative cooling system capable of up to a 20 degree temperature reduction depending on outdoor temperature and humidity conditions. **4** It is then forced into the animal living space via ventilation fans through **5** tunnel doors and/or ceiling inlets depending on the circulation needs. **6** Finally, air is forced out of the building via wall shutters and actuated exhaust systems. This process prevents unfiltered, outdoor air from entering the animal living areas that might otherwise be compromised from air leaks or open air inlets in a negative pressure environment.

AP will work with you to design a system that meets your particular climate and filtration requirements.



* 95% particle capture efficiency using L9 Pathogen Barrier or L9 Pathogen Barrier Pro series filters.



EDGE® is a single platform that is versatile and intuitive allowing it to handle all control applications.

MULTI-LOCATION CONTROL

With EDGE, you have the power to control multiple buildings or rooms from a single controller using one interface. EDGE reduces management complexity and offers you considerable cost savings by eliminating the need to have a separate controller for each individual location. One EDGE System can easily do what up to 64 individual controllers used to do.

INFORMATION AT A GLANCE

Navigation is easy with the large, 15" color touchscreen. Everything is right in front of you for quick, easy navigation. The buttons are large enough to be touched even when wearing gloves. Color-coded notifications give you real-time status of your entire operation. Site-wide conditions can also be monitored from the touchscreen.



REMOTE CONNECTIVITY

Plug in an Ethernet cable and you are ready to take control of the system from the comfort of your truck, office, couch, and anywhere in between. The cloud-based architecture allows you to remotely connect via any web-enabled device – computer, tablet, smart phone – to monitor and analyze data in real-time or quickly respond to any issues. If a problem occurs and an alarm is triggered, you will be immediately notified via text message or email, saving valuable time and money. EDGE gives you the freedom to leave the farm while knowing you are only one touch or click away.



VENTILATION BASED ON CFM PER HEAD

Determining the necessary ventilation typically requires producers using complicated calculations to convert CFM per head into ventilation stages. With EDGE in control, you can say goodbye to confusing formulas and arbitrary ventilation settings. Ensure you are accurately controlling the environment by inputting CFM per head values and the number of animals in a particular building. The revolutionary EDGE controller takes it from there, automatically determining the proper inlet settings and fan stages.



POSITIVE PRESSURE

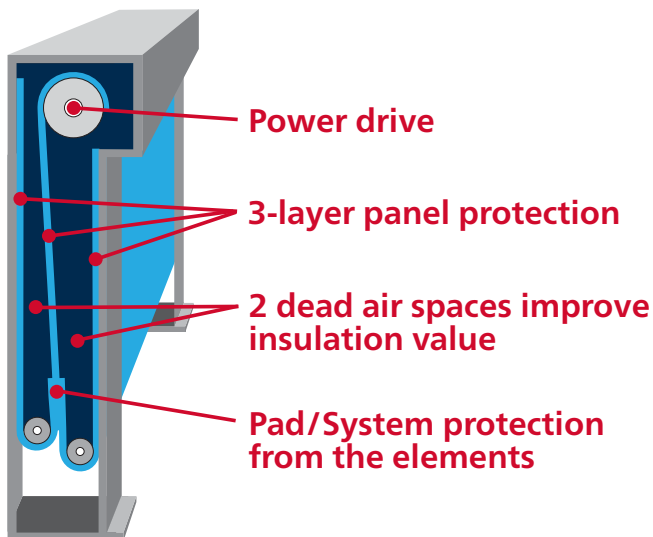
Reduce Your Exposure

Positive pressure systems are essential to any successful virus protection plan. AP can help secure your investment with equipment you can count on to reduce exposure to airborne disease and help protect your animals from start to finish.



ROLLSEAL® SIDEWALL

Controlling the amount of air entering and exiting a building is essential in a positive pressure environment. AP's RollSeal sidewall system is perfectly designed for this task with an unbeatable seal and higher insulation rating compared to traditional curtains.



AP offers screw driven controllers to easily and reliably power actuated ventilation systems.



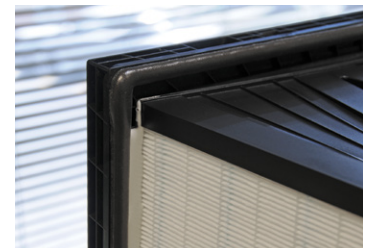
CAMFIL FILTRATION

Camfil Pathogen Barrier filters provide lab and field test proven performance in the prevention of aerosol transmission of viruses including PRRS. The advanced engineering behind the filters makes it possible to achieve the highest possible airflow while maintaining filtration efficiency throughout the life of the filter.

The Pathogen Barrier Pro L9 filter is constructed with a glass/synthetic hybrid media providing over a 95% particle capture efficiency on the most virulent particle sizes ($1\mu\text{m}$ - $3\mu\text{m}$).



Camfil Pathogen Barrier filters feature a seamless molded gasket to maintain the utmost protection from air leakage and contamination.



Camfil filters come in two levels of efficiency depending on your risk and airflow requirements. Pre-filter units capture larger particles before they reach the filter extending filter life.





From start to finish, an AP positive pressure system helps provide essential virus protection.



KOMFORT KOOLER™ SYSTEMS

Komfort Cooler systems utilize the natural cooling effect of evaporation to combat seasonal heat and stress related dips in production. Efficient cellular water media can achieve temperature reductions up to 20 degrees depending on temperature and humidity conditions.

The Komfort Cooler trough requires no tube cutting in the field. A rigid molded plastic tray with "Snap Lock" feature holds pads firmly in place.



A Cam-Lock system allows toolless pad installation and replacement



AP's centrifugal jet pump and automatic float valve match the water supply with system demand. The pump can be end mounted, center mounted, or used as a dual pump system.



VENTILATION FANS

Achieving proper static pressure is a breeze with AP's 54" direct drive and belt drive ventilation fans. AP control systems automatically adjust fans and inlets to provide optimal airflow conditions efficiently and effectively.

Long lasting stainless steel props, durable housings, and high efficiency motors make AP Competitor fans a reliable choice for positive pressure applications.



Static pressure sensors allow the controller to constantly monitor and adjust the number of operating fans and fan speed to maintain optimal ventilation conditions.



AP PVC plank can be adapted to a variety of applications including actuated ventilation systems, wall panels, confinement fencing, and inner dividers.



POSITIVE PRESSURE

Maintaining Air Quality

A positive pressure design is hard to beat when it comes to reducing animal exposure to devastating airborne diseases. AP has the experience and equipment necessary to help you design and manage a filtration and ventilation system to achieve your air quality requirements and provide the greatest protection for your animals.



Air enters the animal living space through tunnel doors, ceiling inlets or a combination of the two. Airflow can be customized based on your requirements.



Integrated EDGE® control automatically adjust the ventilation systems to provide optimal airflow conditions.

Positive pressure systems naturally exhaust air via shutters and/or actuated exhaust systems ensuring air quality isn't compromised from outdoor contaminants that might otherwise find their way in through backdrafts and unsealed openings in your barn.





Look to AP for the expertise and equipment you need to achieve your Bio-Security requirements.



"Virus protection was a critical factor when we were planning our 3,000 sow facility near Kahoka, Mo. Installing AP's positive pressure system fits our needs and was really a no-brainer – for us, it's like buying an insurance policy. Combining it with the advanced functionality and remote access of the EDGE control system has really been a positive in enhancing our operation and monitoring."

**JOHN CARROLL - CEO
CARROLL FAMILY FARMS
CLARENCE, MISSOURI**



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.

Ask About AP's Bio-Security Options

AP offers a variety of solutions to help prevent the spread of harmful pathogens and improve environmental conditions to achieve optimal production results. From positive pressure designs to advanced controls and monitoring, AP can help you design a system to meet your particular bio-security requirements.



Chain Disk Feed Delivery



RollSeal® Doors



Bio-Dri II



Control Systems



Agri-Alert™ Alarms



PVC Planking



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