

# FAPV Fresh Air Power Ventilator



**The Fresh Air Power Ventilator**, known as the FAPV, stands out as an exceptionally efficient ventilation solution. It is a fan designed with precision to seamlessly connect to ducts in-line, making it an integral part of any modern indoor environment. This system serves a dual purpose that is critical in today's construction landscape: ensuring strict compliance with indoor ventilation codes and catering to the unique preferences of occupants.

One of the most significant contributions of the FAPV is its role in enhancing indoor air quality. Through its sophisticated mechanism for managing mechanical fresh air ventilation, it effectively purges stale air and replaces it with a continuous supply of fresh outdoor air. This process is instrumental in reducing the concentration of indoor contaminants, such as dust, allergens, and pollutants, creating an environment that is noticeably cleaner and healthier to breathe.

## Features

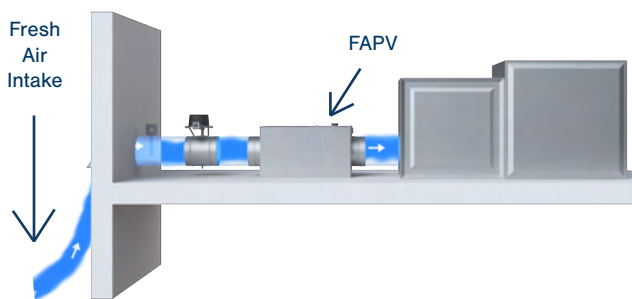
- Effective fresh air delivery by providing a consistent supply of fresh outdoor air
- Stabilizes home pressurization
- Built-in temperature & humidity sensor with no additional wiring needed
- Quick-Start Test feature for an immediate test cycle
- Fast Click® lock cover deters tenant or renter interference
- Seeks to ventilate with a heating or cooling call for optimal comfort and efficiency
- One dial to adjust intermittent ventilation
- On/off switch with easy access that does not require cover removal
- Meets ASHRAE 62.0 ventilation standard

# How It Works

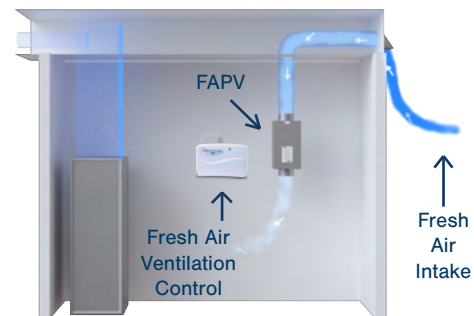
The Fresh Air Power Ventilator provides flexible ventilation solutions designed to meet your specific requirements. You have the option to customize its operation for continuous use or intermittent cycles, all managed through a dedicated fresh air ventilation controller such as the Field Controls model FAVC (Fresh Air Ventilation Control) or model FCMC (Fresh Command Multifamily Controls). Equipped with an electronic speed control featuring an intuitive off switch, the FAPV ensures precise control over ventilation rates. Whether you need continuous ventilation or intermittent cycles in line with fresh air ventilation standards like ASHRAE 62.0, the speed control can be adjusted to modulate outdoor airflow. This feature is beneficial in helping meet the minimum return temperature requirements of HVAC systems, enhancing overall efficiency and performance.

## Installation Options

*HVAC System Typical Installation*



*Mechanical Closet Typical Installation*



## The Impact of Sealed Homes

With modern homes becoming increasingly airtight, their natural ventilation diminishes, leading to a concerning fact: indoor air can be significantly more polluted than outdoor air - up to 100 times more, according to the EPA. This compromised indoor air quality has direct impact on the health and well-being of occupants, highlighting the serious challenges posed by the shift towards sealed homes.

### FRESH AIR POWER VENTILATOR SPECIFICATIONS

Model	Power Supply	Watts	Amps (Max speed)	Temperature Range	Control Voltage (Optional)	Airflow Range	Filtration
FAPV-180AC	115 VAC, 60 HZ	85W	0.09Aw	-22° to 140°F Ambient Outdoor Temperature	24VAC	30 to 220 CFM @ 0.20 Static Perssure	MERV-6 Washable, UL-900 Rated