

SmartVent

Fresh Air System

Enjoy natural, fresh air inside your home to increase your comfort and maximize energy efficiency!

Here in Northern California, even after a sweltering summer day, the evening air often cools down quickly. However, when you open windows to let this cool air in, you not only compromise the safety of your home, but it takes several hours for the fresh, nighttime air to get inside—and that's if there's a breeze! With your busy schedule, you may not even be home at exactly the right time to open the windows. If, instead, you power up the air conditioning, your energy bill skyrockets.

SmartVent can help by automatically adding natural cooling to your home with evening and morning air—whether home or not.

Find out what thousands of homeowners already know! The SmartVent is Beutler's most popular option, installed in over 75,000 homes.



Bring in Outside Air for Natural Cooling



Smartvent

Cooling and Fresh Air System

beutlercorp.com

Product Specifications

SmartVent Control

- Automatically monitors inside and outside temperature sensors
- 100% solid state electronic system
- Uses electronic thermostat

Easy to Install

- Compact size for easy installation
- Controller integrates with HVAC system thermostat
- Easy-to-wire dedicated terminal strips
- Safe low-voltage controller

HVAC System Requirements

- Works with industry standard HVAC systems
- SmartVent control integrates with HVAC controls

Damper

- Uses single 24VAC electrically operated diversion damper

Power Requirements

- 24VAC – no additional transformer required for typical installations

beutlercorp.com

916.646.2700

4700 Lang Ave., McClellan, CA 95652
916.646.2700 • Contractor License #162634

Manufactured under Beutler Patent 5,065,585
©6.2014 Beutler Corporation. All rights reserved.



What is SmartVent?

Beutler's patented SmartVent® fresh air and cooling system works with your existing heating and air system to circulate filtered outdoor air throughout the house. The SmartVent monitors the indoor and

outdoor temperatures to add natural cooling to your home when conditions are favorable.

How does it work?

Automatic Operation

The SmartVent controller monitors indoor and outdoor temperature and determines when the outdoor temperature is lower than the indoor temperature by an adjustable difference (2° to 10° F). When conditions are appropriate, SmartVent turns on the furnace fan and activates a vent damper, allowing cool, fresh, filtered outdoor air to flow into the home and travel to each room, using your existing ducts.

Multiple Benefits

With SmartVent, at the same time that cool, clean, filtered air enters your home, hot, stale air is being vented out through the attic. This increases the air quality in your home and reduces heat build-up.



Advantages

- **Increased comfort and lower indoor air temperatures** – SmartVent assists your air conditioning operation, or operates on its own, when outdoor conditions are favorable.

- **Reduced air conditioning costs** – Using cool outdoor air to cool your home reduces the need to run your air conditioner. Purging hot attic air with spent indoor air reduces heat build-up and the amount of energy required to maintain a comfortable temperature in your home.

- **Improved indoor air quality** – The unique vent damper simultaneously switches between indoor and outdoor air flows, allowing the old indoor air to be exhausted through the attic, cooling it while it cools your living space.

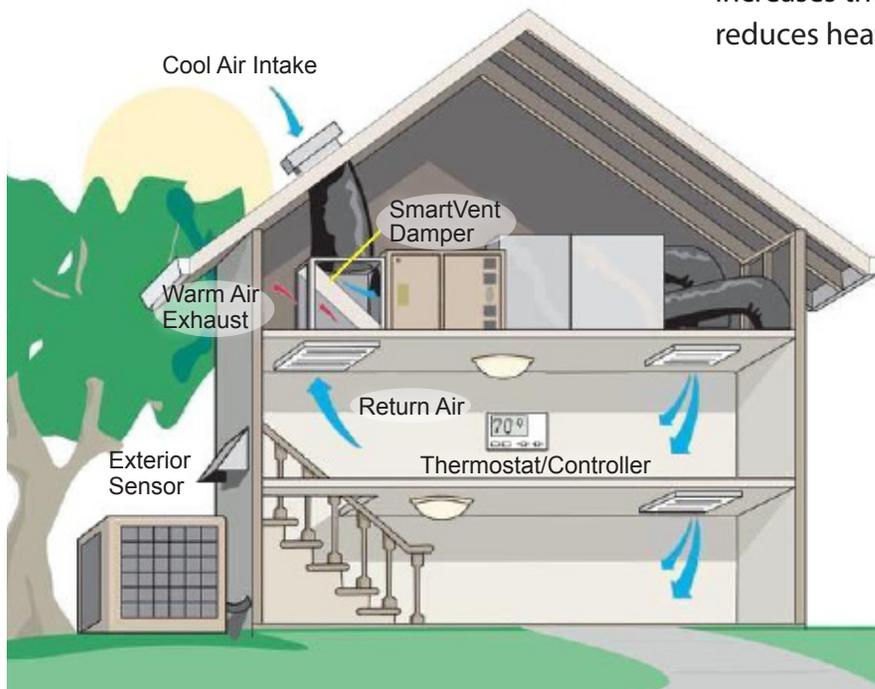
- **Security** – SmartVent allows you to keep your windows closed and doors locked while cooling your home with fresh, outdoor air.

- **Automatic and manual operation modes**

- **Smooth, quiet operation** - Great for sleeping.

- **Easy maintenance** - Only one filter.

Make sure your home is equipped with the SmartVent from Beutler. Talk to your builder for more information.



SmartVent senses indoor and outdoor air temperatures. When outside air cools off in the early evening, SmartVent filters and brings in the cool, fresh air (blue arrows). The fan is automatically turned on and the SmartVent activates a vent damper to allow fresh air to flow throughout the house. At the same time, hot, stale indoor air (red arrows) is vented outside through the attic.