



# Automatic Make-Up Air Damper



# Equalize indoor air pressure for a well-balanced home and budget.

Providing make-up air for exhaust devices is now easier than ever. Broan® Automatic Make-Up Air Dampers synchronize with kitchen, bath, and whole-house ventilation products to keep your home breathing easy. Installation requires no special wiring, and built-in intelligence ensures optimum performance in any application. Rely on our online “Range Hood Make-Up Air Specifier” to guide the design process and deliver the right make-up air system for any home.



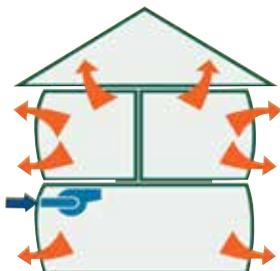
- 6", 8" and 10" duct options work with any ventilation product
- Synchronize with more than one Broan or BEST ventilation product
- Opens automatically to replace exhaust air
- Closes tightly and prevents excess air from entering to reduce energy consumption
- Meets IRC make-up air code requirements for range hoods >400 CFM

## Causes of unbalanced air pressure

When ventilation fans and range hood exhaust polluted indoor air to the outside, negative air pressure develops unless fresh outdoor air is brought in. Supply ventilation systems push air into the home causing positive pressure.

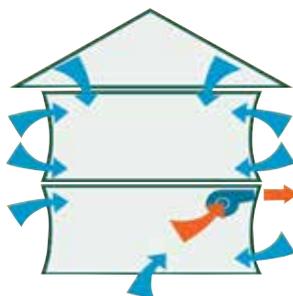
### Effects of Positive Air Pressure (supply systems)

- Forces warm/humid air into wall cavities causing mold/mildew and structural issues
- Unconditioned air is pushed into the home resulting in increased energy costs



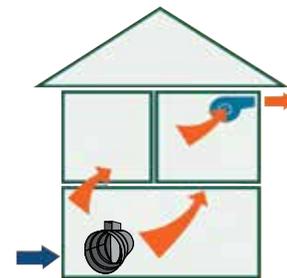
### Effects of Negative Air Pressure (exhaust systems)

- Exhaust fans unable to work at full, rated capacity
- Unconditioned air is pulled into the home, resulting in increased energy costs
- Hot/humid air is drawn inside, causing mold/mildew and structural damage



### Optimal Balanced Air Pressure

- Air intake and exhaust are equalized
- Ventilation devices function properly, as rated
- Maintains the home's integrity
- Enhances energy efficiency



# MD6TU/8TU/10TU Universal Design

Works with any BEST® or Broan® range hood over 300 CFM.

No direct wiring between the range hood and the damper is needed.

## System Features

- Heavy-duty galvanized steel construction
- Normally closed rugged, motorized damper
- Air flow sensor assembly, low voltage switch and 24VAC transformer
- Available duct options:
  - 6" round (MD6TU)
  - 8" round (MD8TU)
  - 10" round (MD10TU)

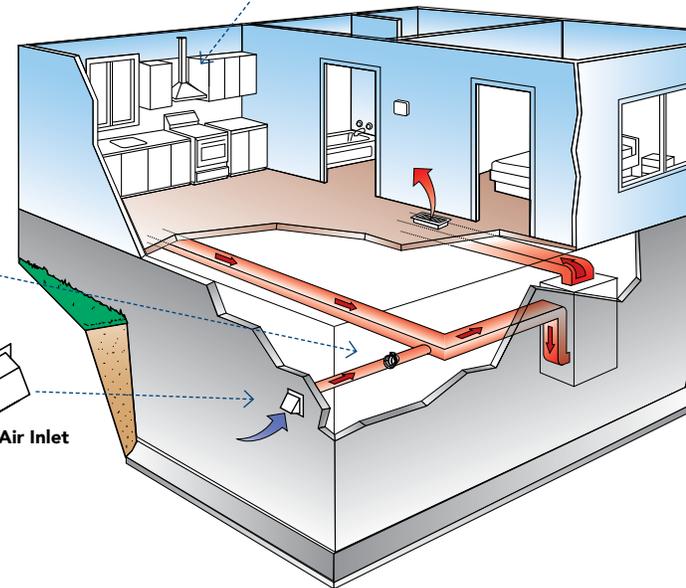
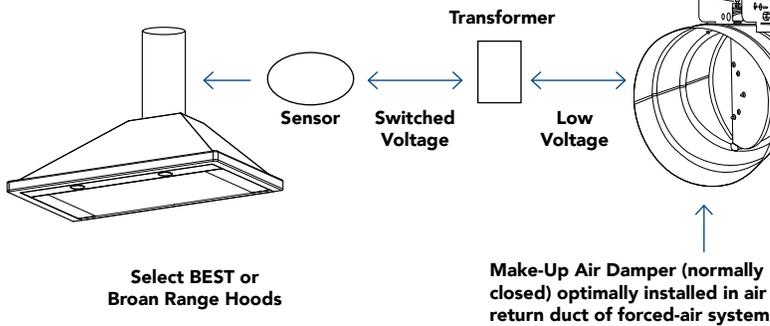
## Installation (see below)

- Fresh air inlet models 641FA (6"), 643FA (8") or 610FA (10"), bring outdoor air in
- Works with 6", 8" or 10" duct running from an exterior wall to the cold air return of a forced-air system
- If there is no forced-air return, run to a wall or ceiling register that minimizes concerns about drafts and maintains a 5' separation from the cooking appliance or hood
- Gang damper assemblies for high-volume applications—open and close simultaneously
- Install the low-voltage sensor on any exposed section of the exhaust duct without interfering with the backdraft damper

Air flow sensor installs directly to the range hood exhaust duct



## Easy installation with no direct wiring required



## Tools for installers and consumers

### Make-Up Air Damper Application Guide

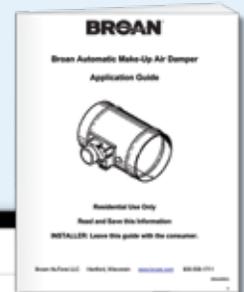
Learn about make-up air and how the damper works with range hoods. Download at: [Broan-NuTone.com/en-us/home/customer-service/catalogs](http://Broan-NuTone.com/en-us/home/customer-service/catalogs)

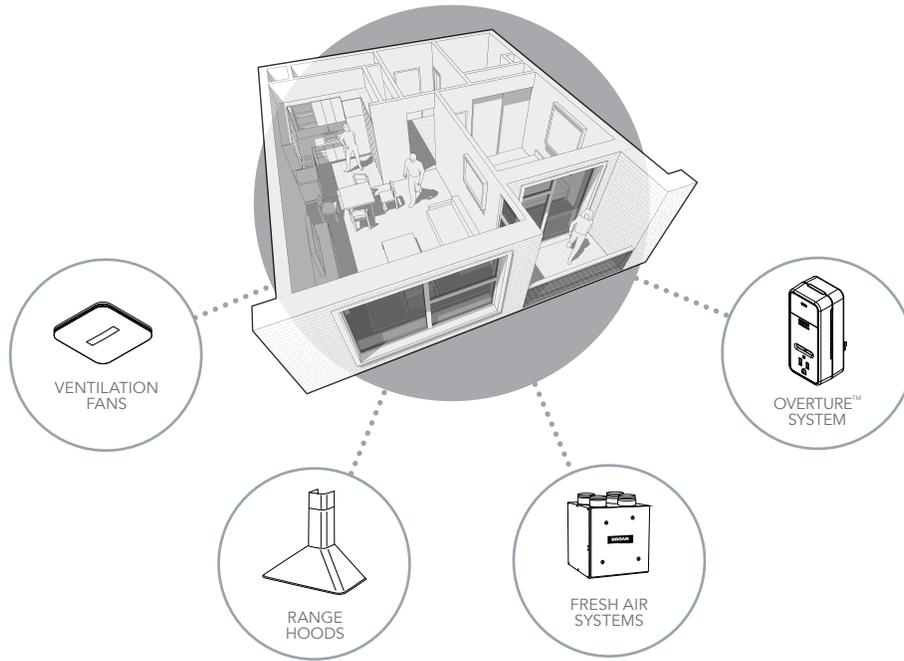
### Range Hood Make-Up Air Specifier

Specifying the right make-up air damper system by state. A simple form gathers all details and delivers specific product and installation results. Download at:

[Broan-NuTone.com/en-us/home/specifier-tools](http://Broan-NuTone.com/en-us/home/specifier-tools)

[BESTrangehoods.com/specifier-tools/muad](http://BESTrangehoods.com/specifier-tools/muad)





THE LEADER IN RESIDENTIAL INDOOR AIR QUALITY.  
**COME HOME TO FRESH AIR.**

Broan-NuTone® is America's leading brand of residential ventilation products including range hoods, ventilation fans, fresh air systems, and automated whole home indoor air quality monitoring and ventilation system.



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