

# Bosch Fresh Air Dampers



**BOSCH**

Invented for life



## Features and Benefits:

- ▶ Variable Position Control
- ▶ Vent Hood with Screen
- ▶ Can be set from 0 to 100 of available CFM
- ▶ 5 Year Limited Warranty on Assembly<sup>§</sup>

## Sizing the correct Fresh Air Damper System for the home:

- ▶ Method 1 (based on ASHRAE)  
2000 sq.ft. with 8 ft. ceiling  
Recommended .35 Air Changes per Hour (AC/h)  
 $(2000 \times 8 \times .35) / 60 = 93.3 \text{ CFM}$
- ▶ Method 2 (based on ASHRAE)  
2 people @15 CFM/person  
2 bathrooms @ 20 CFM/each  
1 kitchen @ 25 CFM  
 $(2 \times 15) + (2 \times 20) + 25 = 95 \text{ CFM}$

Order Number	Descriptive Title	Description
7738002927	FADB - 04007 - 6 - - A	4" Outside Air Damper w/ Louver and Control Kit up to 70 CFM
7738002928	FADB - 05011 - 6 - - A	5" Outside Air Damper w/ Louver and Control Kit up to 110 CFM
7738002929	FADB - 06015 - 6 - - A	6" Outside Air Damper w/ Louver and Control Kit up to 150 CFM

Bosch's Fresh Air Dampers (FAD) are part of the Bosch Solution to improve your Indoor Air Quality by refreshing your home's air. These products can be applied to your Geothermal Heat Pumps and any HVAC system including: Split System Air Conditioners & Heat Pumps, Gas Furnaces, and even Dual Fuel / Hybrid equipment! Bosch has three FAD: 4", 5", and 6". The FAD can help prevent your home from going into a negative pressure situation, which can trap Volatile Organic Compounds (VOC), radon, and other airborne gases and particles within the home, thus reducing your indoor air quality. The FAD brings outdoor air into your home's return air duct system where fresh air is filtered and then tempered for distribution throughout your home.

Bosch's fresh air dampers all come with variable control to personalize the amount of outside air coming in to your home from closed to 100% open.

<sup>§</sup>See [www.boschheatingandcooling.com](http://www.boschheatingandcooling.com) for complete warranty details.

### Bosch Thermotechnology Corp.

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Contractor Technical Support: 1-800-283-3787  
[boschheatingandcooling.com/IAQ](http://boschheatingandcooling.com/IAQ)

Printed on Elemental Chlorine Free, FSC-certified, minimum 10% PCW paper with vegetable-based inks.

Scan the QR code to the right to access IAQ product information.



# Improve Indoor Air Quality and Comfort with **Bosch Fresh Air Dampers**



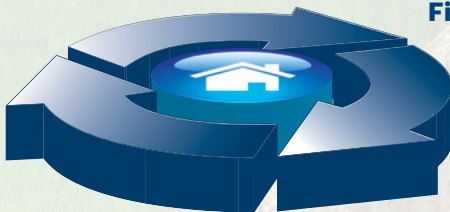
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## **Total Comfort Control System represents Bosch's Intelligent Geothermal System of The Future.**

How? By way of Smart & Internet Ready Thermostat, Humidifiers, Photo-Catalytic-Oxidizers, Enhanced Filters, Fresh Air Dampers, and More! These products, coupled with your Bosch Geothermal heat pump, will help improve Indoor Air Quality (IAQ) and reduce Energy consumption with Comfort and Control!

At Bosch, we have the understanding of what it really means to have great Indoor Air Quality; plus the ability to create products that help improve your quality of life. Our strategy of Control - Filtration - Refresh brings this idea to life in order to truly improve your IAQ.

**Control**



**Filtration**

**Refresh**

**Control:** Our products put you in control of your own environment. Bosch thermostats go beyond simple control of your temperature and humidity. Bosch thermostats take the guess-work out of changing your IAQ support accessories, by taking control and helping to remind you to change your filter, humidifier pad, or UV light bulb. Your Bosch thermostat keeps your system clean and at the same time refreshing your air. Some Bosch thermostats can even be programmed to operate the fan continuously during the day when air particle-count is high and can be turned off at night when particle-count is low, thereby keeping your air fresh and clean and keeping your energy bills low whether you're in or out of the house.

**Filtration:** Through quality filtration, Bosch filters can remove some of the most harmful particles from the air within your home. Bosch Carbon Potassium-Permanganate filters can remove particles as small as 1 micron, remove many Volatile Organic Compounds (VOCs) and other odors such as smoke and other objectionable smells. Additionally, Bosch filters are designed to ensure proper unit operation too, thereby keeping your whole system running smoothly and efficiently.

**Refresh:** Bosch refreshing products bring the fresh air indoors. Bosch has two products that address freshness. Our Photo-Catalytic Oxidizers convert Volatile Organic Compounds (VOCs) trapped in your home into harmless  $H_2O$  and  $CO_2$ . The second product is our fresh air damper system. This system can bring in fresh outside air while at the same time filters, tempers, and refreshes this air before distribution throughout your home or business.

The Bosch Total Comfort Control System includes: humidifiers, fresh air dampers, Photo-Catalytic Oxidizers (PCO), filters and controls including thermostats. Install the Bosch Total Comfort Control System today and enjoy the peace of mind that comes from breathing easy.