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Bosch Introduces Total Comfort Control System Optimizes Air Quality for Clean, Fresh Air Indoors

The Bosch Total Comfort Control System enhances Indoor Air Quality with:

- Humidifier
- Photo-Catalytic Oxidizer (PCO)
- Carbon and potassium-permanganate filters
- Smoke detector
- Fresh air dampers
- Touchscreen thermostats

Londonderry, New Hampshire – Bosch Thermotechnology Corp. introduced a new portfolio of Indoor Air Quality (IAQ) accessories for integration with Greensource residential geothermal heat pumps. The Bosch Total Comfort Control solution is the next generation of air quality accessories that are designed to be integrated with the company's geothermal heat pump to provide a higher quality of living. Bosch's complete solution can be added or retrofitted to an existing geothermal heat pump or any other HVAC system including split system air conditioners, heat pumps, gas furnaces, or dual fuel / hybrid equipment.

The average person spends 80% of the time indoors at work, school or home. According to EPA tests, levels of pollutants are two to five times higher indoors than outside. The key to improving indoor air quality is the elimination of the source of the contaminants by way of ventilation and refreshing the air, as well as filtration and removing as many particles as possible. The Bosch Total Comfort Control System includes humidifier, fresh air dampers, Photo-Catalytic Oxidizer (PCO), high-performance carbon and potassium-permanganate filters and digital touchscreen thermostats.

Integrated Air Purification, Humidification and Comfort Control

According to Craig Kersten, Bosch Thermotechnology's Manager for Residential and Light Commercial Products, "Bosch's new Indoor Air Quality products and controls encompass all aspects of air purity, humidity and temperature control, ena-

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bling the homeowner to modulate, manage and modify the quality and comfort of virtually all aspects of indoor comfort.”

Bosch Humidifier minimizes annoying static electrical shocks and dry, cracked wood, and can help save money by introducing needed moisture into dry winter air, thereby making the occupants feel warmer while maintaining an economical indoor temperature.

Bosch Photo-Catalytic Oxidizer (PCO) helps refresh and clean the air within the home by converting Volatile Organic Compounds (VOCs) and other gases into harmless water vapor and carbon dioxide.

Carbon and Potassium-Permanganate Filters help remove gases, odors, and other VOCs by trapping them in a carbon and potassium permanganate mesh. Bosch high-quality filters are made to provide optimal air filtration and removal of gases and odors unmatched by standard filters and most HEPA filtration systems.

Bosch Smoke Detector automatically shuts down heating and air conditioning equipment if fire should start in the home, thereby helping stop the spread of toxic smoke and providing valuable time to evacuate.

Bosch Fresh Air Dampers have variable control to personalize the amount of outside air coming into the home. These fresh air dampers can help prevent the home from going into a negative pressure condition, which can trap VOCs, radon and other harmful airborne gases and particles, leading to poor indoor air quality.

Bosch Thermostats offer touchscreen or electronic button control of many parameters of indoor comfort. Non-volatile memory eliminates concerns about losing the program during power outages. Bosch’s new CDi series SM model geothermal heat pump communicates alert and operational details to the thermostat, thus enhancing performance and consumer awareness of conditions throughout the entire home comfort system.

Energy Efficient Comfort and Air Quality Control

Bosch Thermotechnology consumer website www.boschheatingandcooling.com and geothermal website BoschGeo.com provide consumers access to literature, specifications and dealer locator. Animations and savings calculator tools explain the benefits and cost savings estimates of using geothermal technology.



Press photos available on request

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About Bosch Thermotechnology

Bosch Thermotechnology is a leading source of high quality water heating and comfort heating systems. The Company offers tankless, point-of-use and heat pump electric water heaters, solar thermal systems, Bosch and Buderus floor-standing and wall-hung boilers, Bosch and FHP geothermal systems as well as controls and accessories for every product line.

Bosch Thermotechnology is committed to reinventing energy efficiency by offering smart products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit www.boschheatingandcooling.com.

About the Bosch Group

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances, solar energy, healthcare telemedicine and software solutions. Having established a regional presence in 1906, Bosch employs nearly 24,600 associates in more than 100 locations, with consolidated sales of \$10.6 billion in fiscal year 2012. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. In fiscal 2012, its roughly 306,000 associates generated sales of \$67.5 billion. Since the beginning of 2013, its operations have been divided into four business sectors: Automotive Technology, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 360 subsidiaries and regional companies in some 50 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Bosch spent some \$6.1 billion for research and development in 2012, and applied for nearly 4,800 patents worldwide. The Bosch Group's products and services are designed to fascinate, and to improve the quality of life by providing solutions which are both innovative and beneficial. In this way, the company offers technology worldwide that is "Invented for life." Additional information is available online at www.bosch.com and www.bosch-press.com.

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