



- **Smart Fan Controller (SFC)** works with smart thermostats to improve energy efficiency, comfort, and indoor air quality for air conditioners, gas furnaces, heat pumps, and hydronic heating systems based on Intertek laboratory tests
- www.greenfan.co/s/Intertek_ACGF.pdf
- www.greenfan.co/s/Intertek_ACHP.pdf
- **More reliable** uses 4 times less standby power (0.3 vs. 1.3W), and saves 2 times more energy than other fan-off delay controllers
- **UL listed** with 5-year warranty, lasts for life of HVAC equipment or longer
- **Connects** to low-voltage thermostat wires, installation takes 15 minutes, and more than 150,000 units have been installed since 2013
- **Monitors** AC, fan, and heat signals to work with smart thermostats and not increase hourly fan-on durations to save 183 to 730 kWh/year versus other fan controllers that only monitor fan signals.
- **Research studies** show 20% of users select continuous or hourly fan-on controls increasing electricity use by 1054 to 3520 kWh/yr (Wisc. DOA 2003, 2004, PSCW 2009). Adding fan-off delays to hourly fan-on durations increases energy use by 17 to 50% or 183 to 730 kWh/yr (183 kWh/yr based on adding 2.5 to 5-minute fan-on durations with 0.5 kW fan and 730 kWh/yr based on 4 fan-on durations per hour).
- **US Patents** 11460208, 10047969, 10119719, 9797405, 9410713, 10281938, 10533768, 10712036, 9995493, 11187425

greenfan® Smart Fan Controller

works with smart
thermostats to
increase comfort and
save cooling and
heating energy

GREENFAN® INC.



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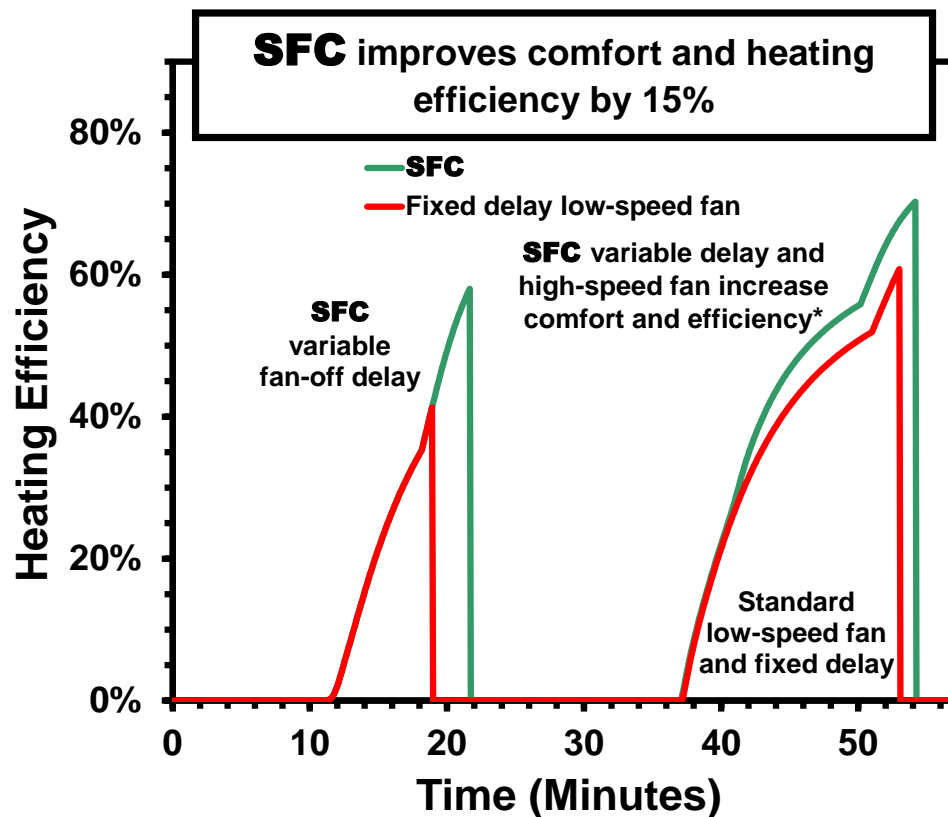
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Smart Fan Controller (SFC)

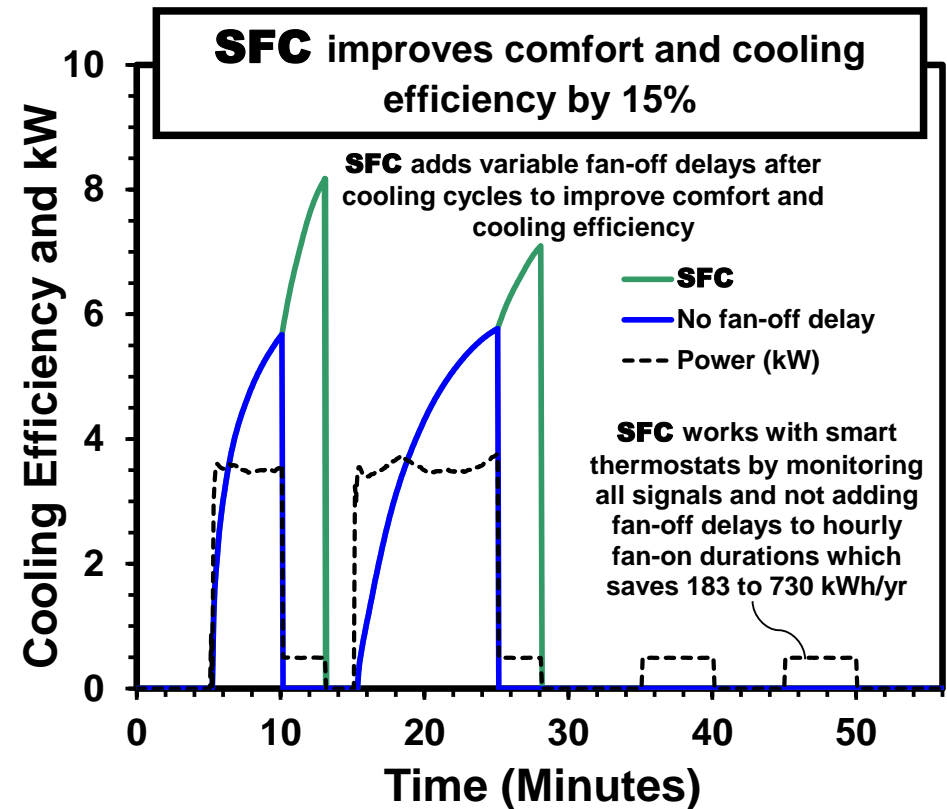
improves energy efficiency and indoor air quality

Intertek^{®†} laboratory tests and field tests show **SFC** variable fan-off delay saves 15% on heating by delivering more heating energy from gas, heat pump or hydronic heat exchangers that would otherwise be wasted. High-speed fan increases gas furnace efficiency for enabled systems.¹

Intertek[®] lab tests show **SFC** removes 0.5 to 0.8 pounds of water per AC cycle from evaporator coils to help prevent biofilm,² maintain airflow, and saves 15% on cooling. **SFC** works with smart thermostats and does not add fan-off delays to hourly fan-on durations.



¹SFC high-speed fan saves gas by satisfying thermostat call for heating (right green curve) before standard low-speed fan (red curve).



[†]Intertek[®] is an AHRI-Certified HVAC Testing Laboratory.

²Source: Montana State University Center for Biofilm Engineering (<https://biofilm.montana.edu/>)