

Save Money and Increase Performance of Your High Efficiency Air Conditioner

The Air Distribution (Duct) System is the system of arteries that move air from the air conditioner to all the rooms of a home. Just as clogged arteries cause the human heart to work harder and less efficiently, a bad duct system causes the air conditioner to work harder and less efficiently. Lower equipment efficiency or **(SEER)** can cost hundreds of dollars per year in high energy bills. Today's energy conscious home buyers are learning that high efficiency air conditioners require a High Efficiency Duct System to operate as advertised and **save energy dollars**.



Polyester Flex has become a widely used residential duct material. Flex is cheap and easy to install and because it is "soft and flexible", any size any length can be made to fit anywhere. It's not surprising that flex is popular with builders and installers, but size for size, flex is significantly less efficient than Steel Duct and flex is too easily and too often installed improperly which further restricts air flow and increases energy bills.



ENERGY STAR[®] is a joint program of the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE). The Energy Star "Minimum Standards and recommended Practice for Energy Star Homes" states "*Avoid flex duct whenever possible*" and adds "*Flexible duct runs longer than 5' can severely restrict airflow*".



Steel Duct may cost more to install initially, but pays dividends in energy savings, equipment performance and indoor air quality. Steel Duct requires a higher level of skill to install, but when sealed and insulated properly Steel Duct IS the most energy efficient material for air distribution systems.

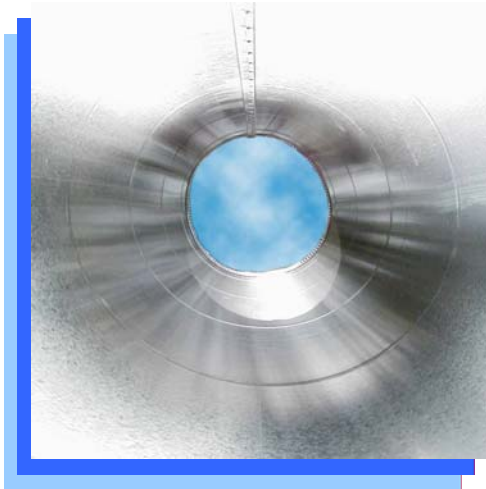
Touchstone Energy[®] is an alliance of power cooperatives in 45 states. Touchstone Energy[®] Home Program standards provide homeowners with a more efficient Home, which translates into something we can all enjoy – savings. The 2006 Touchstone Energy[®] Home Program standards for the state of Indiana page 18, Mechanical Systems states;



Touchstone Energy[®]
HOME PROGRAM

3. "Metal Duct is preferred and maximizes HVAC system performance".
4. "Flex Duct is prohibited for all applications".


Independent Laboratory Research Proves There Is a Big Difference!



**It's Time
to Take a
Closer
Look at
Flex!**



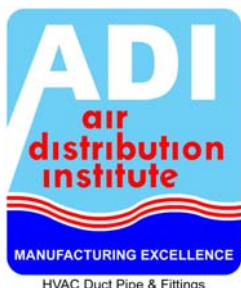
Research by Energy Systems Laboratory (ESL) at Texas A&M University and Lawrence Berkeley National Laboratory proves [Steel Duct](http://www.steelduct.org) is significantly more efficient than Flex. (Research Publications in .PDF are available at www.steelduct.org/research.html)

CEE  Founded in 1991, the Consortium for Energy Efficiency (CEE) is a non-profit, public benefit corporation that actively promotes the use of energy-efficient products and services. "Saving energy results in lower utility bills, less pollution and a healthier environment." CEE publications state;

"Field studies suggest that about 70 percent of installed residential cooling systems have inadequate airflow."

"The Electric Power Research Institute states that energy savings from duct improvement measures will save the average customer \$300 per year."

"Don't Be Flexible!"
Insist on Energy Efficient Steel Duct!



For more information visit
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