


Air Conditioning Vent Covers

Date reviewed: 01/09/2017

Description of Technology		Energy Saving Opportunity	
Residential homes with central air conditioning systems and no forced air heating systems experience heat loss through their AC vents during winter. These are plastic or magnetic covers with a seal designed to fit over these vents and stop heat losses. Each cover should have a means of securing it snugly to a vent, and must be removed seasonally. These must be attached to all cooling vents in the home.	Sector(s):	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Commercial & Industrial
	Applicability Criteria:	Separate heating & central AC with ducts in unconditioned space	
	Efficiency Improvement:	Eliminates heat loss through cooling vents	
	Energy (%) Savings Potential:	Highly variable	
	Demand (%) Reduction Potential:	Highly variable	
Strengths		Weakness	
<ul style="list-style-type: none"> Effectively blocks air leakage through central air conditioning vents Easy and quick to install Requires little space to store 		<ul style="list-style-type: none"> Seasonal installation Presents danger to AC equipment if left installed while operating Some types of cover may not seal well or fall off with the addition of dust May not fit all types of vents Some homeowners may find the aesthetics undesirable 	
Third Party Analysis/ Previous MTAC Reviews		Suppliers Known to MTAC	MTAC Status
CT RD&D Policy working group conducted an in-depth study of Airlok, a similar product developed in CT and put on the market. Airlok was found to save energy but is no longer being sold.		AC Draftshields RPS Products Nordic Pure Deflecto	Acknowledged to have energy savings potential and referred to individual PA for their own EE program consideration
Market Development Issues			
Cost:	\$3-25 per cover		
Market Risk and Barriers:	Conversion to combined central heating/cooling		
Time to Market:	Currently on market		
Simple Pay-back: (Years)	0.5		