

DrySafer™

Dryer Vent Alarm



**Reduces the risk of fire
caused by highly
flammable lint buildup**

**Save Up to 77% in
Energy Consumption**

Easy Installation

Introducing ...

DrySafer™



DrySafer is a unique sensing device that monitors airflow in a dryer's exhaust system.

It was designed to help prevent dryers from overheating, reduce dry time and save energy.

DrySafer™

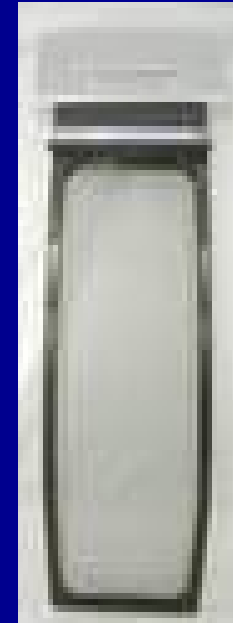
- **Clogged dryer vents adversely effect the performance and safety of clothes dryers**
- **By alerting homeowners before their exhaust vents become clogged, DrySafer will save money and energy**
- **DrySafer will help protect home and family from dangerous and costly dryer fires**

A Dryer's Performance Relies Strictly on It's Ability to Produce Proper Airflow



The faster the hot, moist air inside the dryer is removed, the faster the clothes will dry.

As Clothes Dry, Dryers Produce Very Large Quantities of Lint.



Lint filters are designed to catch the lint that is produced

Unfortunately, Significant Amounts of Lint are *Not Caught* by Lint Filters.



When lint bypasses the filter, it accumulates both inside the dryer and the dryer's venting system!

Similar to snow flakes, small particles of lint will, over time, create large accumulations.

As Lint Accumulates Inside the Venting System, it Blocks the Airflow to the Outside



The reduced air flow prevents moisture from the clothes to be removed properly, trapping it inside the dryer.

This causes the dryer to run longer, work harder and use more energy.

Consumer Reports™ findings:



“Flexible dryer ducts made of foil or plastic are the most problematic because they sag, allowing lint to build up at low points.”

Traditionally, Most Clothes Dryers Were Installed in the Basement



Today, many newer homes tend to have dryers located away from an outside wall: in bedrooms, kitchens, bathrooms and hall closets.

Dryer Vents Now Have Greater Distances to Travel, Sharper Turns to Make and Are Harder to Get to.



This results in dryer vents that are hidden in walls and ceilings, making it very difficult or impossible to monitor dangerous lint build up.

DrySafer™

Dryer Vent Alarm

When a dryer vent becomes 65% clogged with lint, it can require as much as 60% more drying time.

A dryer with a 62.5% vent restriction required 60% more time to dry and used 77% more energy!*

Lint Build-Up = More Drying Time

Minutes
To Dry

105

95

85

75

65

55

45

Normal

Inefficient

Dangerous

30%

40%

50%

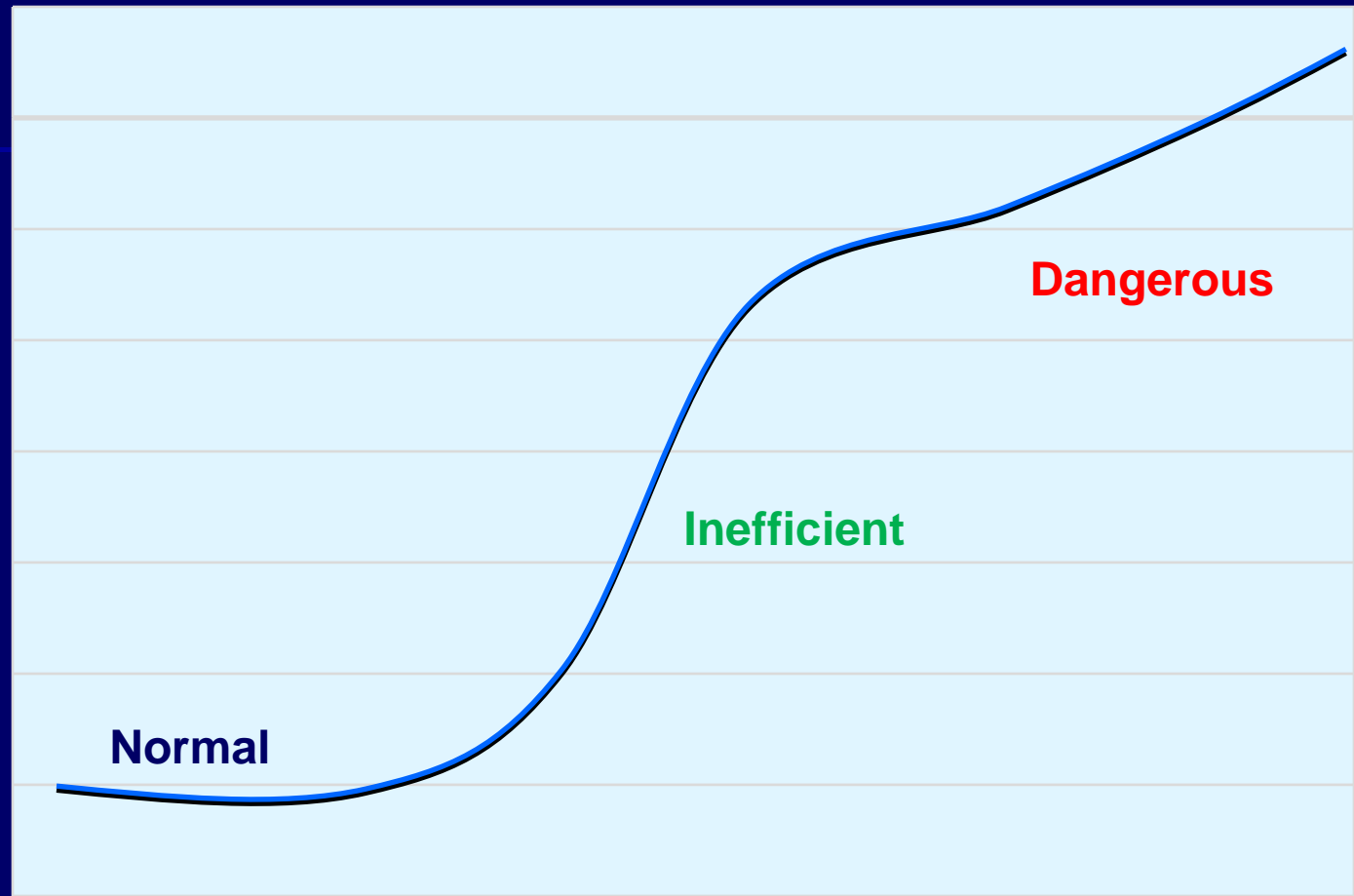
60%

70%

80%

90%

- Percentage of lint build-up in vent -



Clogged vs. Normal Vent Comparison: Drying 7 Full Size Bath Towels

<u>Vent Conditions</u>	<u>Minutes Drying</u>	<u>Kilo Watts Used</u>	<u>Cost Per KW</u>	<u>Total Energy</u>
Normal	55	2.6	\$.14	\$.36
65% Clogged	<u>88</u>	<u>4.6</u>	\$.14	<u>\$.64</u>
Total Savings Per Load:	33 60%	2.0 77%	\$.14	\$.28 78%

Testing Procedure

- Testing equipment: 20 feet of 4-in. aluminum vent pipe
- Test method: conducted 3 times, using identical loads to arrive at weighted averages
- Kilo Watt rates- JCP&L Utility Co (NJ):
 - 0.092677 Delivery Charge= 0.046847

Energy Savings Results:

DrySafer can save up to 77% in Energy Consumption for today's 81 Million installed dryers!

CPSC Findings:

What the Consumer Product Safety Commission States About Dryer Fires Caused by Dangerous Lint Build-Up

“Clothes dryers are associated with approximately 15,600 fires annually, resulting in 20 deaths and 370 injuries.”

Consumer Products Safety Commission

What Lint Build Up Can Be The Start of...



“Over \$100 Million Dollars in Property Loss Occur Annually Due to Dryer Related Fires”

Consumer Products Safety Commission



DrySafer Is Designed To Prevent Fires Caused by Highly Flammable Lint Build-Up



“Fires can occur when lint builds up in the dryer or exhaust duct, blocking the flow of air and causes excessive heat build-up.”

DrySafer Is Designed To Prevent Fires Caused by Highly Flammable Lint Build-Up



Once a dryer overheats, the lint built up inside can catch on fire.

Consumer Unawareness



Most dryers today
Do Not have easy
access to their vents
or inside chassis to
remove lint-build-up.

“Unfortunately, few people are aware of excessive lint build-up in their dryers or the danger it can cause, including fire damage.”

Consumer Products Safety Commission

Ease of Building Codes



Intensified by the growing ease of building codes, dryers have become one of the leading causes of residential fires.

The Solution:

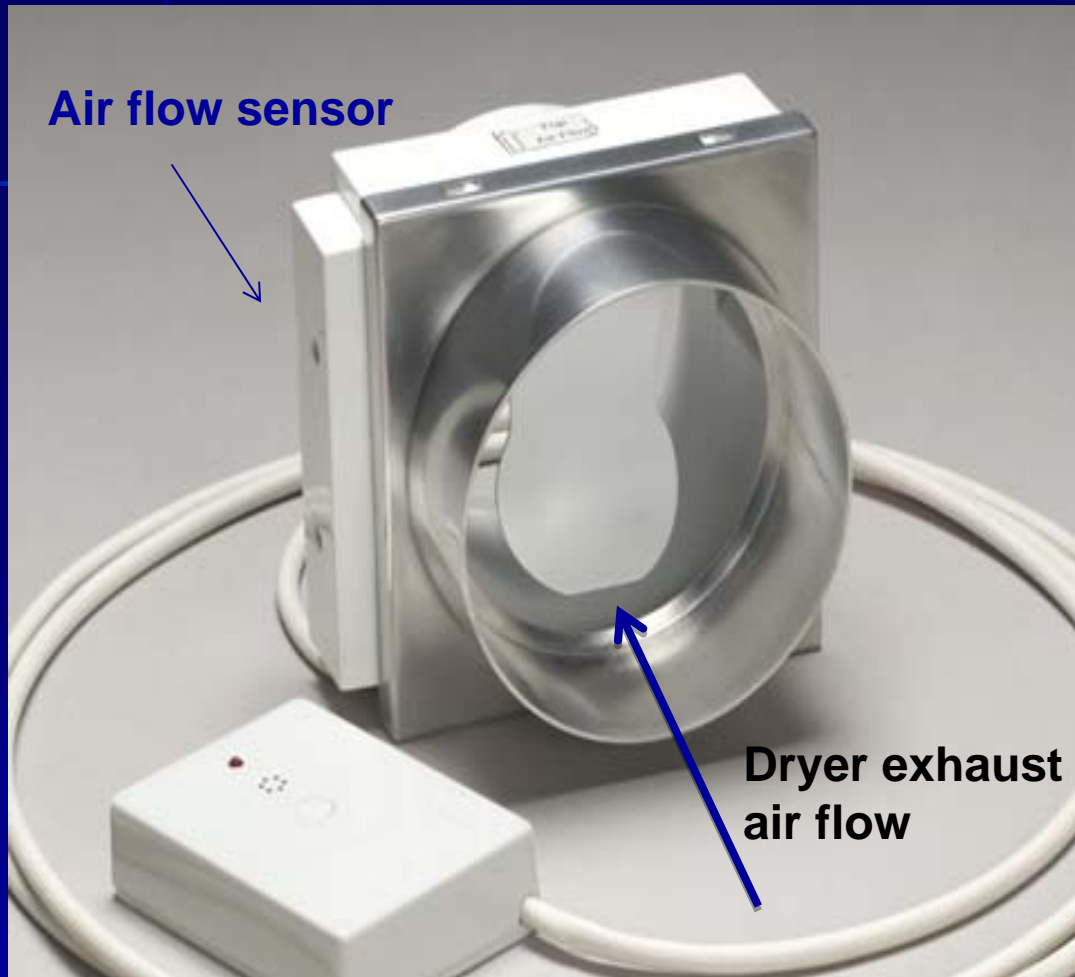
DrySafer™ Dryer Vent Alarm

A unique, patented device that detects insufficient air flow inside the dryer exhaust vent, caused by excessive lint build-up.

“Early Detection Warning” Before Flammable Lint Ignites!

- As vents become 65% clogged, **DrySafer** sets off a beeping signal, at 60% decibels of a smoke alarm
- This provides “Early Detection” for homeowners to remove dangerous lint accumulation *before it ignites* and results in fire.

Alarm Components & Activation Process



Air flow sensor

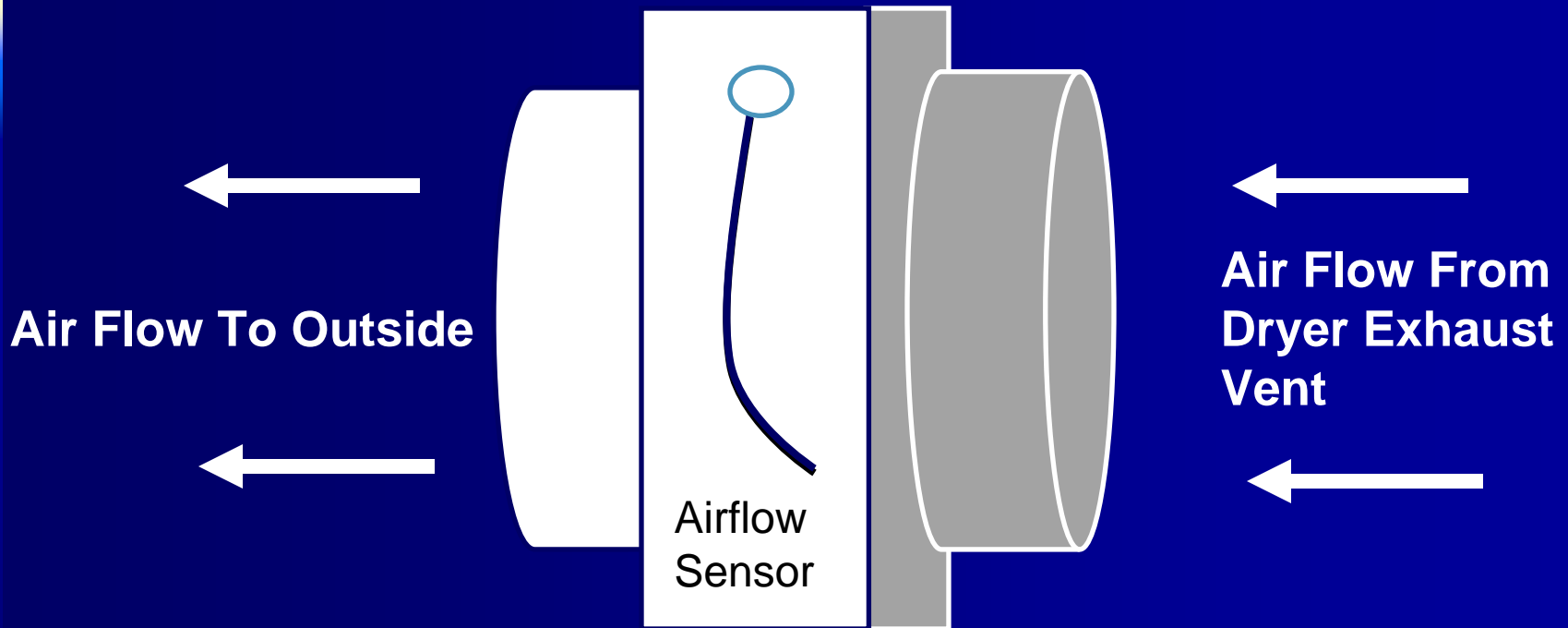
Dryer exhaust
air flow

A UL Listed A/C powered Alarm Module
w/ Audible Alert & Reset Button

1. When the dryer is turned on, the Air Flow Sensor signals the Alarm Module that air flow is normal: (the flap is in a fully open position)
2. As the vent becomes clogged with lint, it restricts the airflow.
3. Once the airflow restricts beyond 65%, the Flap closes approx. 50%.
4. After 1 minute in this position, the Monitor signals the Alarm to trigger, warning the homeowner.

Flap Door Activation

PHASE I : Dryer is in "OFF" Position

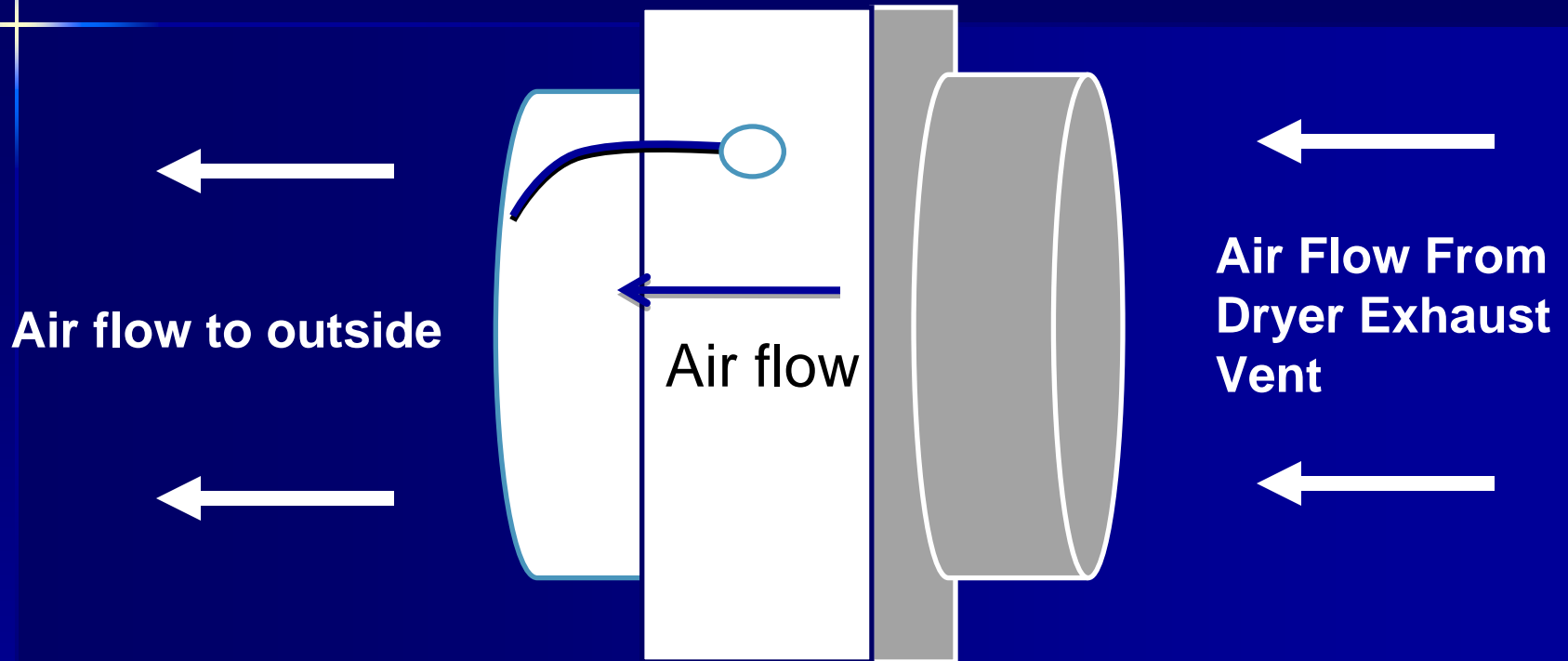


"Off Position"

Flap remains in closed position until activated.

Flap Door Activation

PHASE II When Dryer is Turned "ON"

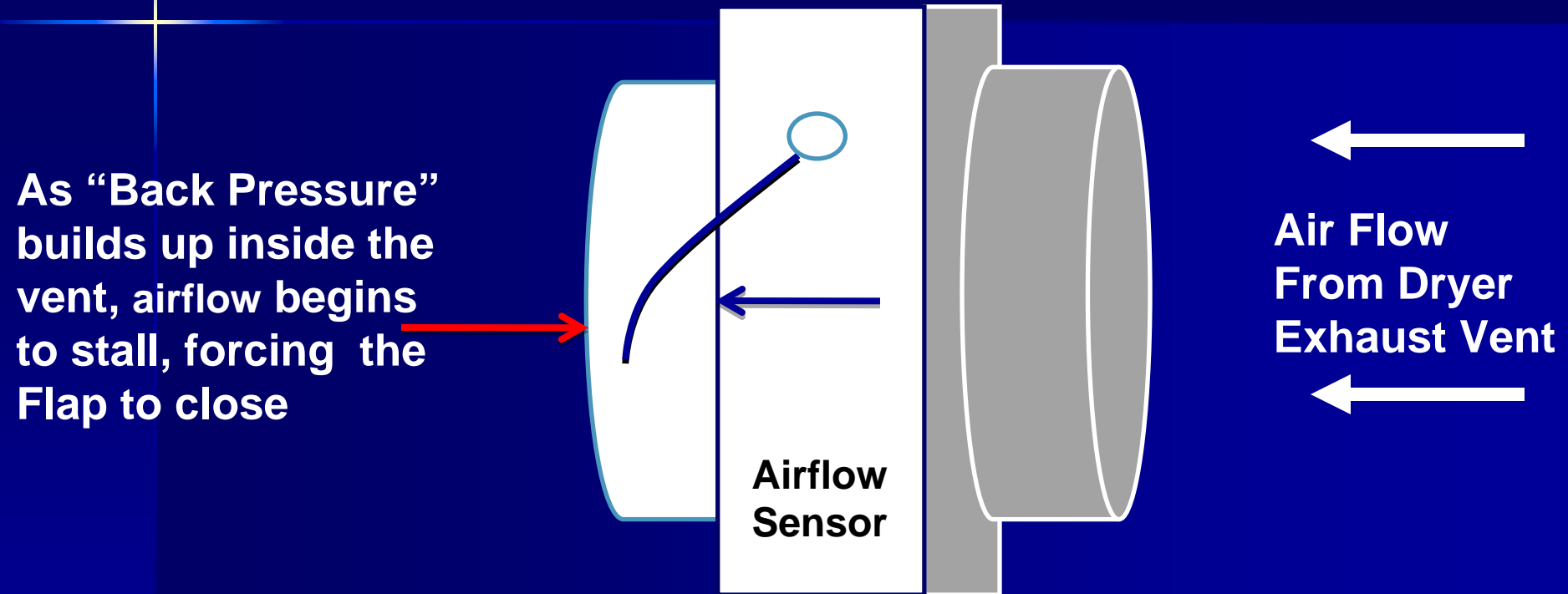


Air Flow from dryer "ACTIVATES" device, pushing Flap to "fully open position" when vent is clear of lint and debris.

Flap Door Activation

PHASE III ALARM ACTIVATION

Note Flap is only 50% open



The Airflow Sensor will trip the Alarm when the electronic sensor signals the Alarm that the Flap is positioned outside of its normal operating position.

Testing the Airflow Sensing Device

There are only 2 ways to test the Airflow Sensor without connecting it to a dryer. Be sure to first plug in the AC Adapter.

1. Push and hold the Test/Reset Button for 5 seconds: 10 alerting beeps will commence.

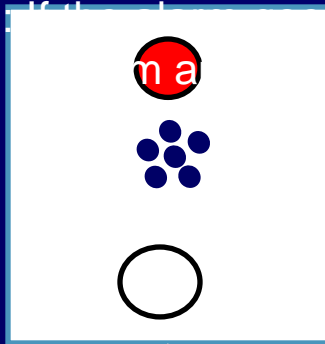
This will verify the operation of the electronics. **Press again to reset.**

2. Hold the Flap in a fully opened position for 1 minute: This simulates a stuck open

flap. If working, the unit will self diagnose itself and set off the alarm: 10 alerting beeps will commence.

The Airflow Sensor is self diagnostic. It will diagnose itself if a malfunction **occurs** (such as a bird making a nest inside of the Airflow Sensor housing).

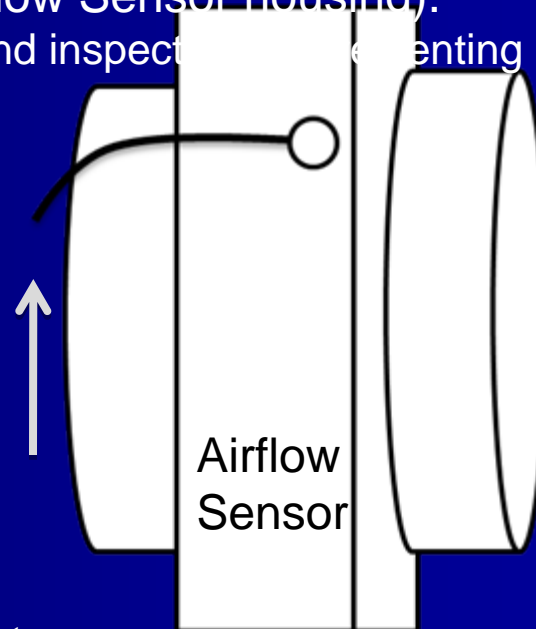
NOTE: If the alarm goes off, press the reset button and inspect the sensor for possible causes.



Test/Reset button

1. Push and hold for 5 seconds to test

2. Press again to

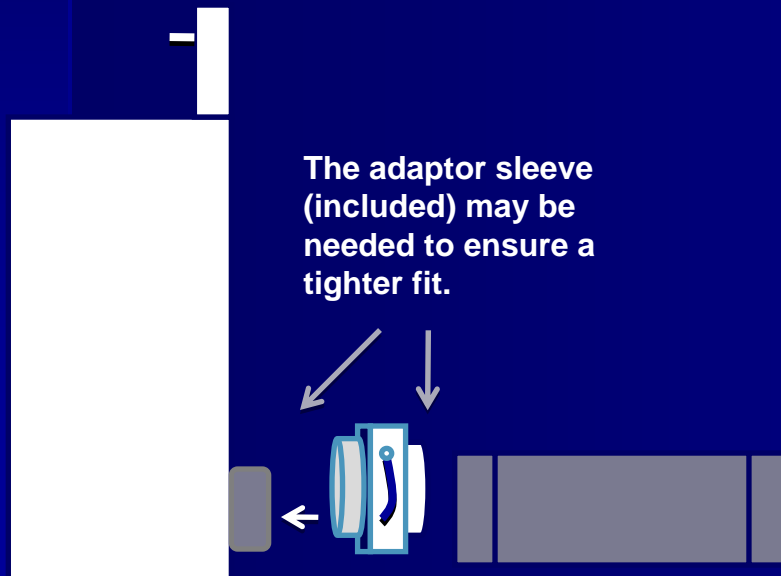


Fully opened for 1 minute

Universal Design for Quick and Easy, Do-It-Yourself Installation

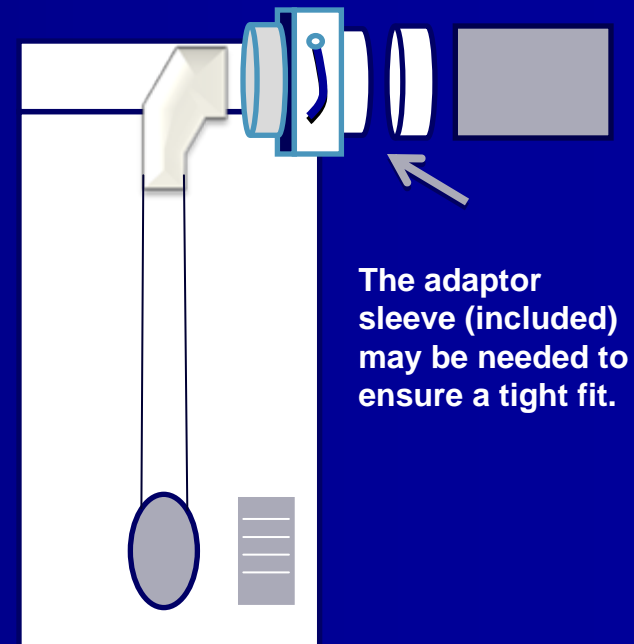
Normal Install

1. Remove existing exhaust duct from dryer
2. Slide front side of DrySafer Airflow Sensor over dryer's exhaust duct.
3. Re-attach vent line.
 - Additional space needed: 3"



Alternate Install (Space Saver install)

1. Attach the DrySafer Airflow Sensor to a 4" elbow
2. Re-attach your vent line.
 - NO additional space needed



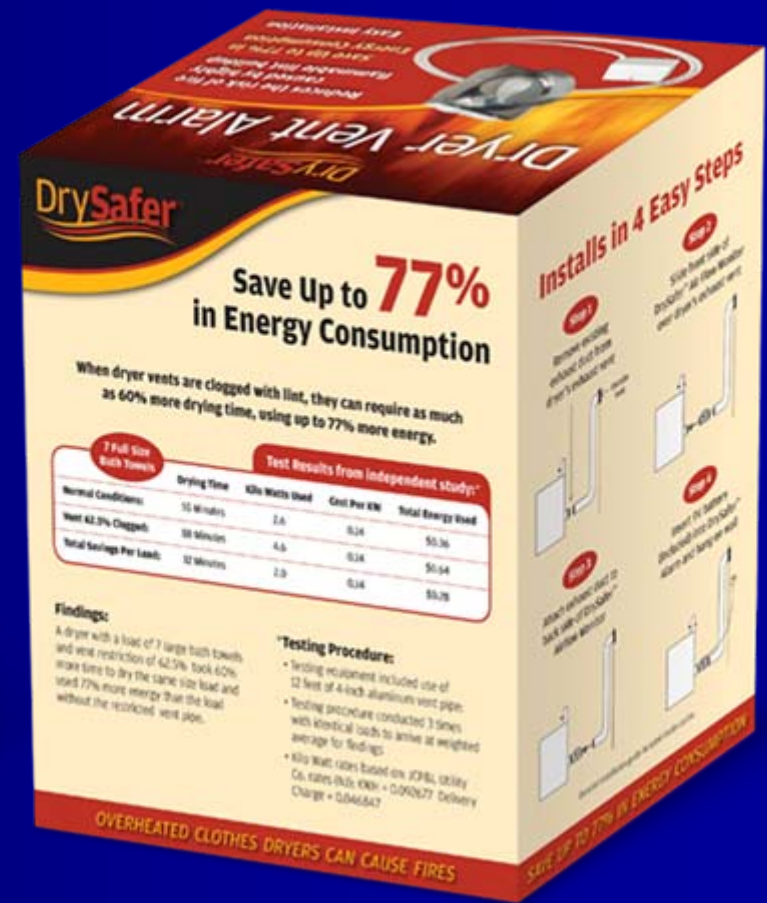
Universal Design for Quick and Easy, Do-It-Yourself Installation

Installs in less than 15 minutes:

1. Remove existing exhaust vent from dryer
2. Connect front of **DrySafer** to dryer vent
3. Connect back of **DrySafer** to vent exhaust

**Fits 100% of all existing
dryer exhaust vent systems**

Powerful Product Presentation for Optimal Turns



Provocative “Buy Me” Graphics, Design & Content

DrySafer™

SAVE UP TO 77% IN
ENERGY CONSUMPTION

Dryer Vent Alarm

- Reduces the risk of fire caused by highly flammable lint buildup
- Saves Energy by Detecting Vent Blockage
- Universal Design for Quick, Easy, Do-It-Yourself Installation

OVERHEATED CLOTHES DRYERS CAN CAUSE FIRES

The advertisement features a white clothes dryer on the left. The background is a fiery orange and red gradient. On the right, there is an image of a house with thick black smoke billowing from its roof. The text is prominently displayed in white and orange.

Effectively communicates:

- Fire prevention
- Energy savings
- Ease of installation

Huge Energy Saving Potential for Today's Eco-Conscious Consumer

DrySafer™

Save Up to **77%**
in Energy Consumption

When dryer vents are clogged with lint, they can require as much as 60% more drying time, using up to 77% more energy.

7 Full Size Bath Towels **Test Results from independent study:***

	Drying Time	Kilo Watts Used	Cost Per KW	Total Energy Used
Normal Conditions:	55 Minutes	2.6	0.14	\$0.36
Vent 62.5% Clogged:	88 Minutes	4.6	0.14	\$0.64
Total Savings Per Load:	32 Minutes	2.0	0.14	\$0.28

Findings:
A dryer with a load of 7 large bath towels and vent restriction of 62.5% took 60% more time to dry the same size load and used 77% more energy than the load without the restricted vent pipe.

***Testing Procedure:**

- Testing equipment included use of 12 feet of 4-inch aluminum vent pipe;
- Testing procedure conducted 3 times with identical loads to arrive at weighted average for findings
- Kilo Watt rates based on: JCP&L Utility Co. rates (NJ): KWH = 0.092677 Delivery Charge = 0.046847

OVERHEATED CLOTHES DRYERS CAN CAUSE FIRES

Energy Savings Results supported by independent testing

Convincing Reasons to Buy

DrySafer™

Overheated Clothes Dryers Can Cause Fires


The Consumer Product Safety Commission estimates that 15,500 fires annually are attributed to clothes dryers. Fires can occur when lint builds up in the dryer or in the exhaust duct. Lint can block the flow of air, cause excessive heat build-up and result in a fire in some dryers.

To help prevent fires:


- Clean the lint screen/filter before or after drying each load of clothes
- Clean the dryer vent and exhaust duct periodically
- Clean behind the dryer, where lint can build up
- Replace plastic accordion-type venting with a metal, rigid or semi rigid style duct
- Install a DrySafer™ Dryer Vent Alarm

The U.S. Consumer Product Safety Commission is charged with protecting the public from unreasonable risks of serious injury or death from more than 15,000 types of consumer products under the agency's jurisdiction. The CPSC's work has contributed significantly to the 30 percent decline in the rate of deaths and injuries associated with consumer products over the past 30 years.


SAVE UP TO 77% IN ENERGY CONSUMPTION



Example of clogged dryer vent duct.



Clogged dryer vent ducts can cause dryer fires.



Dryer fires can cause extensive damage to your home.

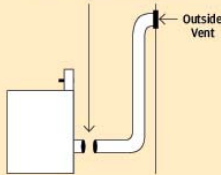
Fact based statistics supported by:
Consumer Products Safety Commission

Fast, Easy DIY Installation

Installs in 4 Easy Steps

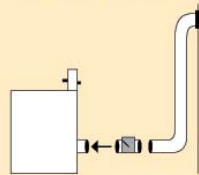
Step 1

Remove existing exhaust duct from dryer's exhaust vent



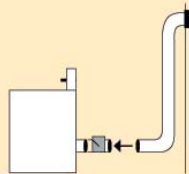
Step 2

Slide front side of DrySafer™ Air Flow Monitor over dryer's exhaust vent



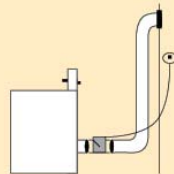
Step 3

Attach exhaust duct to back side of DrySafer™ Airflow Monitor



Step 4

Insert 9V battery (included) into DrySafer™ Alarm and hang on wall



Detailed installation guide included inside carton.

SAVE UP TO 77% IN ENERGY CONSUMPTION

Easy to read bi-lingual instructions with step by step illustrations for contractors and consumers

DrySafer™

Now available!
The appliance industry's first...

“Early Detection”
Dryer Vent Alarm

In Canada distributed by

FUR-MAX
PROFESSIONAL HOME SERVICES

e-mail: info@fur-max.com | phone: (403) 281 - 8833