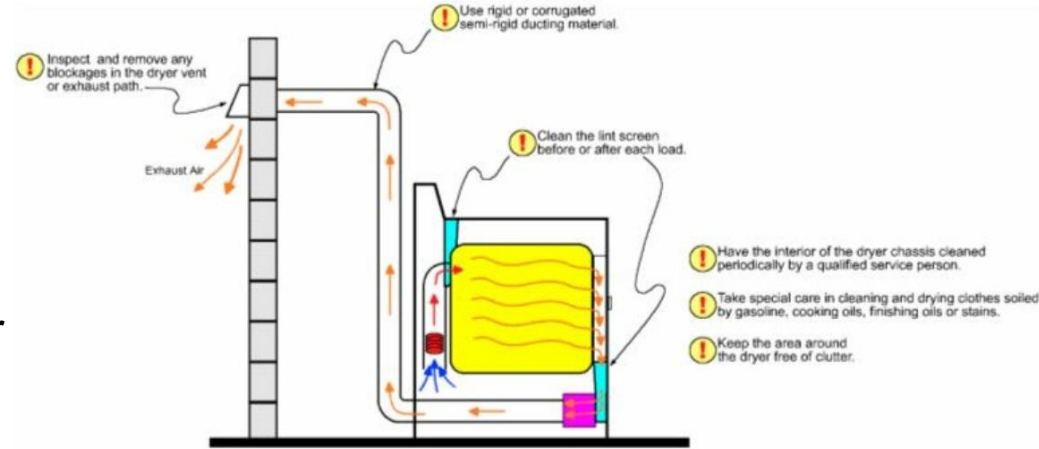

PREVENT

This is a built-to-last aluminum Dryer Vent Cap model with a full patent that meets U.S. Building Code and is designed to keep birds and other pests out of the dryer vent, while reducing the buildup of lint around the vent exit.



Dryer Fire Hazard Explained

- A clothes dryer works by forcing hot air through a turning drum. Wet clothes placed in the drum are then dried by the moving hot air. It is possible for a full load of wet clothes to contain as much as one and a half gallons of water. Lint is created from the clothes as the water is removed and the clothes dry. *While much of the lint is trapped by the dryer's filter, lint also is carried through the venting system, together with moist air. The accumulation of lint, both in the dryer and in the dryer vent, reduces the airflow and creates a highly flammable fuel source.*
- In addition to the accumulation of lint, **blockage in dryer exhaust vents also can occur from the nests of small birds and animals or from bends in the venting system itself.** A compromised vent will not exhaust properly to the outside. Overheating may result. If enough heat is produced to ignite the lint itself or nearby combustible items, such as the clothes in the dryer or combustibles left nearby, the engineered safety mechanisms are compromised and fire ensues.



Airflow must remain unimpeded to allow Hot Air to escape and prevent overheating:

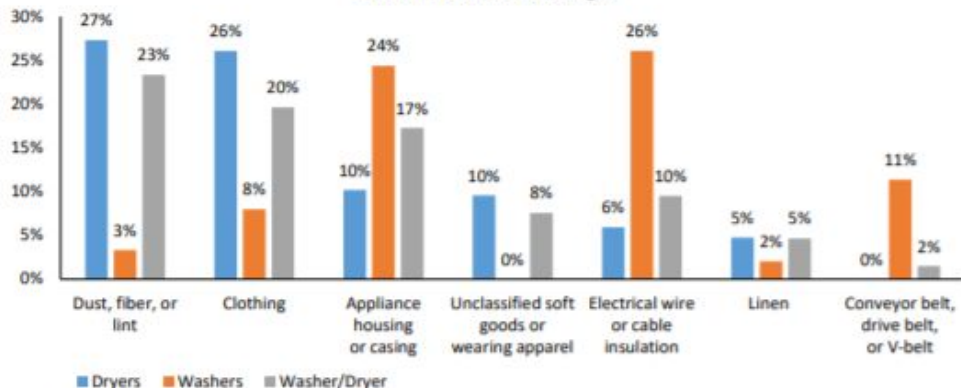
- Prevent Lint Build-Up in Dryer & Vent System
- Prevent Dryer Vent Blockage
- Prevent Dryer Vent Cap Blockage

Home Fires Involving Clothes Dryers and Washing Machines

In 2010–2014, U.S. municipal fire departments responded to an estimated 15,970 home fires involving clothes dryers or washing machines each year.* These fires resulted in annual losses estimated at:

- ▶ 13 civilian deaths
- ▶ 440 civilian injuries
- ▶ and \$238 million in direct property damage

Home Fires Involving Washers and Dryers, by Factor Contributing to Ignition
2010–2014 Annual Averages



Source: NFIRS 5.0 and NFPA fire experience survey.

In 2010–2014:

- ▶ The leading items first ignited in clothes dryer fires were dust, fiber, or lint (27%) and clothing (26%). In washing machine fires, the leading items first ignited were electrical wire or cable insulation (26%) and appliance housing or casing (24%).
- ▶ Most of these home fires involved clothes dryers (92%).
- ▶ The leading cause (31%) of home clothes dryer and washer fires was failure to clean.

*Homes are dwellings, duplexes, manufactured homes, apartments, townhouses, rowhouses, and condominiums.

14,692 Dryer Fires Per Year

Approx 40
Dryer-Related
Fires Per Day!

Source: NFPA Research: www.nfpa.org/research
Contact information: 617-984-7451 or research@nfpa.org

Vent Blockage Examples

Nests and Buildup from Birds and Animals





Accumulation of Lint








Steps to Prevent Dryer Fire

To Significantly Reduce Threat of Fires

- Clean Dryer Lint Screen - Check after each cycle
- Buy the right Vent Duct Material: Replace plastic or foil, accordion-type ducting material with rigid or corrugated semi-rigid metal duct.
 - Plastic - against US Building Code
 - Accordion-style foil - increases build up of lint in the vent
- Buy the right Vent Cap that ensures the following:
 - **Abides by US Building Code**
 - **Outside Vent Opening isn't blocked by any type of screen, slats or obstruction that will cause lint to build up.** *If blocked, or partially blocked, heat builds up, and fires occur.*
 - **Opening is designed to prevent pest entry** - *pests build nests, leading to debris buildup which blocks the opening. Heat builds up, and fires occur.*
 - **Vent Design will endure for the life of the property** - *Most plastic models crack in the sun after a couple years or less*

	Aluminum Dryer Vent	Seiho
	Plastic Wall Vent with Movable Leavers	Famco
	Deflect-o Dryer Vent	Deflecto

Competitive Products Comparison

Reason Code	1	2	3	4			
Description	US Building Code	No Pest	Durable	Reduced Fire Hazard			
URL	Picture	Product Name	Company	DIY Store	Retail Price	Issue with Product	Why Prevent is Better
https://www.seiho.com/product/sfz/sfz.html		Aluminum Dryer Vent	Seiho	?	\$18.79	Can't Use Specifically for Dryer Vents, because slats across the opening are against US Building Code and cause lint build-up, increasing fire risk	1, 4
https://nopestvent.com/product/j-block-vent-wide-mount-vent/		J-Block Vent / Wide Mount Vent	P-tech Products Inc	Home Depot	\$16.99	Plastic, so not as durable. 2-Door Damper may cause additional lint buildup	3, 4
Famco Galvanized Wall Vent with Damper		Galvanized Wall Vent with Damper	Famco	Home Depot	\$20.13	Birds can potential move the damper with their beaks and fly in	2,4
Famco Plastic Wall Vent with Movable Leavers		Plastic Wall Vent with Movable Leavers	Famco	Home Depot	\$4.70	Birds can fly in through the slats. The plastic breaks down in the sun	2,3,4
Deflect-o Dryer Vent		Deflect-o Dryer Vent	Deflecto	Walmart	\$5.79	Can't Use Specifically for Dryer Vents, because the screen across the opening is against US Building Code and causes lint	1,3,4



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