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Why Do I Need an External Lint Filter?

Energenics Lint Filters remove 98% of all lint and automatically collect the lint and maintain a clean lint screen. This insures low backpressure, resulting in safer more efficient drying.

Dryer internal screens are located at floor level and require frequent manual cleaning. The small internal screens, necessarily porous for optimum drying bypass up to 30% of lint generated.

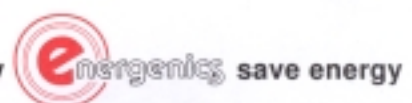
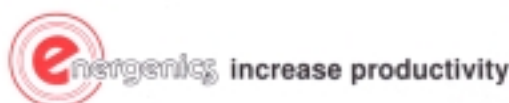
Excess lint that flows through the internal screens into the atmosphere can be a health hazard. It is visually a nuisance. Excessive lint will plug air conditioner coils and blows onto lawns, shrubs and vehicles. In addition, excess lint collects in exhaust ducts, which presents a fire hazard.

Often alerted by neighbors, local Environmental Protection and other enforcement agencies challenge the excess lint.

To improve production and eliminate lint bypass install an Energenics Lint Filter and direct the dryer exhaust to the central lint collection point. Adjustable, backpressure controlled screen cleaning, maximizes airflow resulting in optimum dryer efficiency. Most new construction and renovation projects include supplemental lint filtration.

Energenics offers the widest variety of lint filter models; all designed to eliminate the problems associated with lint bypass from the dryers. Energenics offers fully automatic "dry type and wet type"; and the new manual filters designed for the smaller laundry. The size range is from 2,000 cfm to 40,000 cfm. All filters are capable of single or multiple dryer operation.

Industry practice is to clean the internal dryer lint screens after every load. Less frequent cleaning can result in elongated drying times. Without frequent cleaning, after a few loads the dryer backpressure can be several times the acceptable specification of the manufacturer. Increased backpressure results in slow production, decreased machine life as well as excess degradation on textiles.



Energenics Lint Filters provide the means of optimizing dryer efficiency and reducing the environmental impact. Some small dryer fans allow for removal of the internal screen when an Energenics filter is attached. With the internal screens removed, all of the lint is collected in the Energenics Lint Filter. The lint Filter can then be emptied only as often as the lint bag fills. The elimination of the internal screens results in labor savings that alone justify the Energenics filters.

An Energenics Lint Filter is a safety device reducing the fire hazard caused by lint build-up in ducts. The effectiveness of a proper dryer exhaust application depends on good design and the installation of a lint filter that will effectively remove the lint and not allow lint accumulation in the duct downstream of the lint filter. Key points to a successful application are as follows:

1. Exhaust pipes must be sized to provide a velocity of 1,400-2,400 fpm to effectively move the lint from the dryer to the Lint Filter.
2. If manifolding is required, individual pipes should be manifolded as close to the Lint Filter as practicable.
3. The system may need a booster fan if the Lint Filter is more than 20 feet from the dryers or when static pressure exceeds .5" w.c. at the dryers.
4. Booster fans should be matched to the total exhaust volume of the dryers monitored on the clean side of the filter while maintaining a small positive backpressure at the inlet of the Lint Filter.
5. The Lint Filter will not operate properly under a negative air condition measured at the inlet of the dryer.
6. Booster fans usually require barometric dampers or inverter drives to compensate for exhaust fluctuations as dryers turn on and off.
7. The Lint Filter should be installed according to instructions supplied by the dryer manufacturer and Energenics.
8. Periodically inspect and clean the Lint Filter as required.

Last but not least, consider that the internal screens in dryers are designed to fit under the dryer within a specific footprint. Energenics Lint Filters are considerably larger and are more efficient at collecting small lint particles.

Capture that lint with Energenics.