

## LINT FILTER SPECIFICATIONS

1. The filter shall be sized to clean \* CFM dryer exhaust air with a measured resistance (clean screen) of 0.3" w.c. static pressure.
2. The body of the filter shall be constructed of Class A rated fire retardant fiberglass meeting U.S. Navy QPL, Grades 1 and 2, Class A. The outside to be coated with an ultraviolet protective coating. The stainless steel filters shall be constructed of 16 gauge, 304 Grade Stainless Steel.
3. The filter media for the dry lint filters shall be a polyester monofilament fabric or 304 Grade Stainless Steel mesh, capable of removing 98% of all particles larger than 160 microns, collecting over 98% of the lint (by weight). The collection bag for the wet lint filters shall be capable of collecting 6 cu. ft. of lint greater than 210 microns.
4. The wet lint collector shall utilize a target spray system to produce the dryer exhaust air washing spray. The complete spray system must be accessible from the outside of the unit. Water will be recirculated by a centrifugal pump. A tubeaxial booster fan to equalize airflow, shall be included with unit. The two-piece fiberglass filter body will not leak. At a flexural strength of 36,000PSI, it will not crack. Variable speed exhaust fan available.
5. The control must be 24VAC connected to a UL approved 120/24VAC transformer for electrical code acceptance. It shall be solid state and operate on the differential pressure through the screen to insure that the screen is automatically cleaned upon dryer shut off and when back pressure exceeds dryer specification. Set points must be field adjustable. The control will automatically support all fire, safety and convenience options.
6. Lint filter accessories shall include a lint bag or a tapered flexible connector to fit a 55 gallon drum (furnished by others), 24VAC air solenoid valve, inspection door, barometric damper door (for wet unit), and fully assembled aluminum frame.

## UTILITY REQUIREMENTS

1. Compressed Air: The dry ENERGENICS lint filters require an adequate, 30 to 40 cu. ft. supply of compressed air for automatic screen cleaning. Each blowdown cycle is 6 seconds in duration, at 80-100 PSI. Minimum blowdown is 80PSI. The air solenoid, supplied by ENERGENICS, is an ASCO, 24 volt, Model #8210D9, 3/4" valve, or #8210G4, 1" valve or equivalent.
2. Fire Control: The dry ENERGENICS lint filters require an adequate water main without a prior shut-off to run cold water pipe to the filter location. Each filter with Fire Control has two spray heads that flow at 8GPM, 30PSI. The solenoid is a UL approved, CSA certified ASCO 3/4", 24 volt, Model #8210D9, supplied by ENERGENICS.

Model	CFM (*)	Air Solenoid	Water Pipe Size
AF-2, 3-7	2,000-7,000	None	None
WH-35	3,500	3/4"	3/4"
S-4	4,000	3/4"	3/4"
WH-60	6,000	3/4"	3/4"
FRP-6, SS-6	6,000	3/4"	3/4"
120	6,000	3/4"	3/4"
WH-80	8,000	1"	1"
FRP-8, SS-8	8,000	1"	1"
140	8,000	1"	1"
FRP-10, SS-10	10,000	1"	1"
WH-140	14,000	1"	1"
150, 170	14,000	1"	1"
FRP-15, SS-15	15,000	1"	1"
All over 20,000	20,000	1"	1"

## AVAILABLE OPTIONS

Fire Control, Excess Pressure Alarm, Static Pressure Gauge, Roof Curb Cover, Pre-Plumb and Pre-Wire, Pre-Mounted Control, Dryer/Filter Transition, Inlet Collars, Motor Starters, Leg Extensions, 2<sup>nd</sup> Stage Filter, Rain Bonnet, Horizontal Discharge, Additional Flexible Lint Tube, Air Tank, Additional Side Inlets, Additional Spray Manifold, Additional Sump Assembly.

*Sold and Serviced By:*

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# LINT FILTERS AND APPLICATIONS

## Number 1 Selling IN-LINE SPACE SAVER STYLE

**MODELS: FRP-6, 8, 10, 15, 20, 25, 30**  
**MODELS: S-4, S-6, 8, 10, 15, 20, 25, 30**

- SMALLEST FOOTPRINT PER CFM FILTERED
- Ideal for single and multi dryer applications
- Dryer to filter transitions available
- 4,000CFM – 30,000CFM capacity
- Fire Retardant Fiberglass or type 304 stainless Steel construction
- Back pressure controlled variable speed controls and booster fans



## LOW PROFILE

**MODELS #120 and 150**

- Ideal for multiple 35 lb. – 150 lb. or single 400 lb. dryers.
- Ceiling suspend or floor mount, inside or outside.
- Perfectly contoured top can rotate 360° for horizontal exhaust discharge.
- Capacities: 6,000CFM (#120) or 15,000CFM (#150)
- Composite: Fire Retardant Fiberglass

## AIR FREE FREE STANDING NO BLOW DOWN LINT FILTER

**O.P.L. SERIES**



- Prevents lint exhaust from damaging expensive air conditioning and heating equipment
- Meets EPA Clean Air Standards
- Eliminates messy lint discharge
- Automatic – reduces labor expense
- 98% of lint filtered & collected
- Lower operating cost
- Cleaner, safer laundry room
- Simple installation

## AIRWASHERS

**MODELS: #6, 10, 20, 30, 40**

- THE BEST “wet” lint filter for mounting inside or outside.
- A superior water spray unit that can be ceiling suspended or floor mounted.
- Essential for the larger multiple dryers applications.
- Capacity: 6,000CFM – 40,000CFM
- Composite: Fire Retardant Fiberglass



## SUPER SERIES

**MODELS #140 and 170 and AIRMIXERS**

- Popular selections for single 400 lb. and multiple 35 lb. – 150 lb. dryers.
- TWO STAGE models are available for 200 lb., 400 lb. and 600 lb. steam dryers.
- Capacities: 8,000CFM – 15,000CFM
- Composite: Fire Retardant Fiberglass



## WALL HUGGERS

**MODELS #35, 60, 80, 140**

- Only LOW COST, easy to install “wall mounted” lint filter.
- Exceptional 35 lb. – 150 lb. multiple dryer(s) outdoor lint filter.
- Capacities: 3,500CFM – 14,000CFM
- Composite: Fire Retardant Fiberglass

## TYPICAL APPLICATIONS



**IN-LINE Side Inlet**

### BEST DESIGN

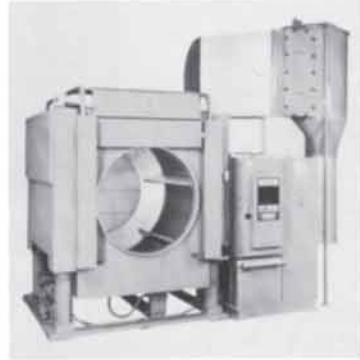
- Optimum airflow, least back pressure.
- “Black Fiberglass,” least maintenance.
- Type 304 stainless, noncorrosive.
- New solid state differential pressure controls.
- Large tight polyester screens, longest life, lowest back pressure.
- Bearing supported rotors, optimum air flow for deep cleaning the screens.
- Integrated target spray, optimum wet collection.



**WALL HUGGERS**



**OEM Customized IN-LINE**



**LOW PROFILE INSIDE**



**ENERGY SAVING AIRMIXERS**

**AIRWASHER WASH #40**



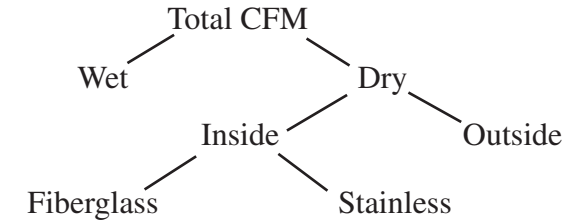
**LOW PROFILE #150**

### PROVEN BEST

- Over 4,000 installations, many over twenty years old.
- Filters installed inside, outside, from the Arctic to the tropics.
- 3.2 years average screen life.
- 98% of lint filtered, audited by EPA.

## SELECTION CRITERIA

1. Determine total dryer(s) exhaust CFM requirements.
2. Compare total exhaust CFM to the Lint Filter selection chart, below.
3. Select the appropriate Lint Filter that best corresponds to the application.



## FILTER SELECTION

Total Dryer Exhaust CFM	Single or Multiple Dryers											
	2,000	3,000	3,500	6,000	7,500	8,000	10,000	15,000	20,000	25,000	30,000	40,000
Model #	AF-2	AF-3	WH-35	AF-7	AF-7	FRP-10	FRP-10	FRP-15	FRP-20	FRP-25	FRP-30	WASH-40
Model #		S-4	AF-7	FRP-6	FRP-10	S-10	S-10	S-15	S-20	S-25	S-30	
Model #			S-4	S-6		140	170	150	WASH-20	WASH-30	WASH-30	
Model #				120		WH-80	WH140	170				
Model #				WH-60		WASH-10	WASH-10	WH-140				
Model #				WASH-6				WASH-20				

ENERGENICS Lint Filters can be floor mounted or ceiling suspended.

ENERGENICS Lint Filters, with the exception of the WALL HUGGER Models, may be installed inside or outside.

Dryer/Lint Filter “transition ducts” are available for single dryer IN-LINE FRP and S applications.

ENERGENICS “customizes” for the application; right or left side inlet, single or multiple dryers.

## SELECTION EXAMPLES

1. Lint Filter required for 6-150 lb. dryers at 2,200 CFM each or 13,200CFM total. The customer prefers a dry lint filter, mounted inside on the floor. First choice: Based on a total of 13,200CFM; FRP-15, leg standing, six inlets.
2. Lint Filter required for a single 400 lb. dryer at a total of 7,000CFM. The customer prefers a dry lint filter, floor mounted inside, for top dryer discharge. First choice: Based on a total of 7,000CFM: FRP-10, leg standing, single inlet, with transition.
3. Lint Filter required for 3-75 lb. dryers at 1,000CFM each or 3,000CFM total. The customer prefers a dry lint filter that can be mounted outside, on the wall. First Choice: Based on a total of 3,000CFM: WH-35, or AF-3.
4. Lint Filter required for a 600 lb. dryer at a total of 11,000CFM. The customer prefers a dry lint filter that can be mounted outside, on the roof. First Choice: Based on a total of 11,000CFM; 150, leg standing, with lint tube extension.
5. Lint Filter required for 2-200 lb. dryers at 5,500CFM each and 3-400 lb. dryers at 7,000CFM each, or 32,000CFM total. The customer prefers a wet lint filter mounted outside, on the roof, that will accommodate all the dryers. First Choice: Based on a total of 32,000CFM; WASH-40, leg standing, 5-inlets.

## ALL NEW

Variable Frequency Drive control that operates on the back pressure in the system to control a booster fan. This feature optimizes dryer performance in a multiple dryer environment.