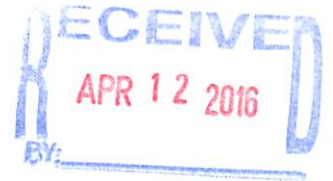


# NEWTOWN TOWNSHIP

PAID \$



DELAWARE COUNTY, PENNSYLVANIA  
209 Bishop Hollow Road  
Newtown Square, PA 19073

## CONSTRUCTION PERMIT BP160217

FOLIO:

**JOB ADDRESS: 510 Guinevere Drive**

**OWNER/TENANT:** Katerina & Dewayne Hughes  
510 Guinevere Dr.

Newtown Square, PA, 19073

**CONTRACTOR:** Loftus Electric LLC

PO Box 12

Newtown Square, PA 19015

**LICENSE / PA AG #:**

**PHONE: 610-325-7100**

**EMAIL: kevin@loftus-electric.com**

**DATE OF ISSUANCE: 04/04/2016**

**DESCRIPTION OF WORK: Dryer Duct Booster Fan**

\*\*\*\*\*ALL PERMITS REQUIRE A FINAL INSPECTION\*\*\*\*\*

This permit and work has been authorized in accordance with PA Act 45 of 1999, (The PA UCC), the Newtown Municipal Ordinance and the International Building Codes. If work has not commenced within 180 days of the issuance of this permit than this permit has expired and must be renewed at the code official's discretion.

This approval does not grant the authority to violate any applicable codes. This permit must be posted in a conspicuous place.

BCO Approval & Date

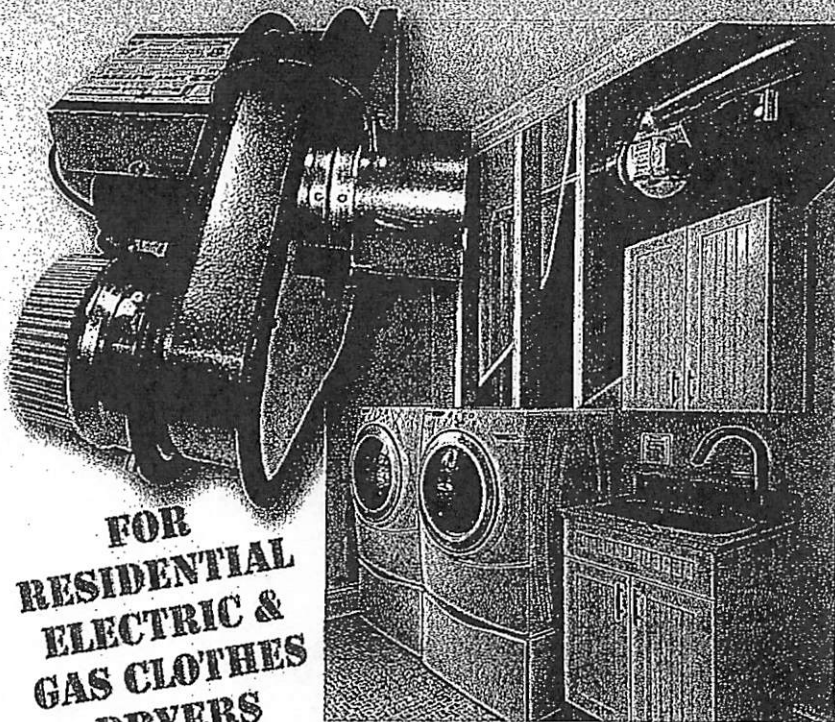
Kyle N. Bendler / Andrew F. Reczek Building Code Official

**PERMIT SHALL BE POSTED ON SITE AND PROTECTED FROM THE ELEMENTS** For Building, Plumbing or HVAC inspections please call 1-800-732-2551, (24hrs. advance notice required!) **Electrical Inspections – 610-565-0789, Fire Inspections – 610-356-2969, (24hrs. advance notice required!).**



# Dryer Duct Booster® Model LB2

Meets UL 705 DEDPV Requirements.  
Complies with International Residential Code (IRC-2015).



**FOR  
RESIDENTIAL  
ELECTRIC &  
GAS CLOTHES  
DRYERS**

**BOOST EXHAUST  
VELOCITY IN  
DUCTS UP TO 150  
EQUIVALENT FEET**

**SAVE ENERGY,  
REDUCE DRYING  
TIMES BY UP  
TO 50%**

**5-YEAR WARRANTY  
AND NO-CLOG  
GUARANTEE**

## The Problems:

- Dryer exhaust ducts longer than 25 equivalent feet increase drying times, energy use, lint build-up and the potential for duct fires.
- Typical dryer booster fans collect lint and require scheduled maintenance.

## The Solution: LB2 Dryer Duct Booster®

- Reduced drying time, energy use and lint build-up.
- Advanced actuation control with improved pressure sensing reacts to both duct pressure and temperature to consistently operate in sync with the dryer.
- Increased safety by alerting user of a blocked vent or fan malfunction.
- Increased fire safety by alerting user to excessive dryer duct temps. (Booster Fan also turns off if high temps are sensed.)
- Lint Blitzer blower wheel repels lint and delivers consistent performance year after year.
- External motor is not subjected to lint, moisture and temperatures that affect in-line booster fan motors.



**Laundry room  
mounted status  
panel lets user  
know that the  
Booster Fan is  
working correctly.**



Flashing Red and Green LED's...Control calibrates to exhaust duct pressure drop

Slow Flashing Green LED.....Idle state, no dryer operation sensed

Fast Flashing Green LED.....Sensor is detecting dryer turning on or off

Steady Green LED.....Dryer operation sensed, Dryer Booster Fan on

Flashing Red LED.....Blockage sensed or Booster Fan not operating

Steady Red LED.....High temps detected, Booster Fan is shut off

For best performance install the LB2 Booster Fan as directed below.

Total Duct Length Equivalent Feet*	LB2 Minimum Distance from Dryer in Equivalent Feet*	
	No Secondary Lint Trap	With Secondary Lint Trap 4' from Dryer
30	15	8
60	30	8
90	35	15
120	40	20
150	45	25

Install no closer than 2 feet from exterior hood. Avoid installing elbows within 2 feet of booster fan.

\*Equivalent feet equals linear feet plus 5 additional feet for each 90° elbow and 2.5 feet for each 45° elbow (assumes 4" diameter duct).

Designed to provide years of reliable performance.

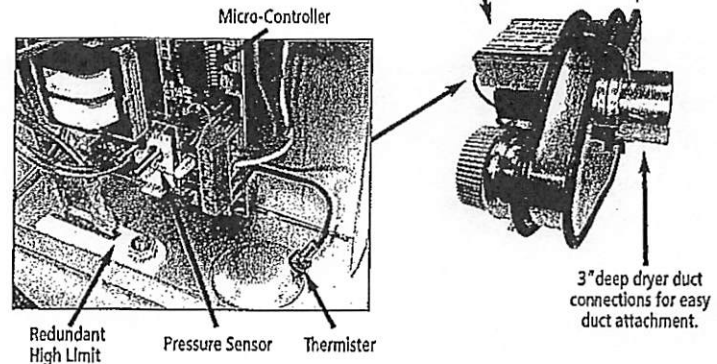
**On-board multi-functional control**

High resolution Pressure Sensor and Temperature Sensing Thermister output data to Micro-Controller to reliably sync Booster Fan operation with the dryer.

The micro-controller communicates with the status panel to alert user to duct restrictions or extreme exhaust temps that could lead to a duct fire. Extreme exhaust temperatures disrupt power to the booster fan.

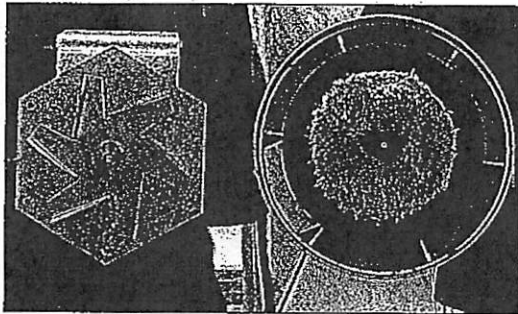
PSC permanently lubricated ball bearing motor is not exposed to heat, lint or moisture. Uses less power than a 50 watt light bulb.

Rubber isolated mounting bracket eliminates vibration transfer. Rotates 360° to accommodate any mounting orientation.



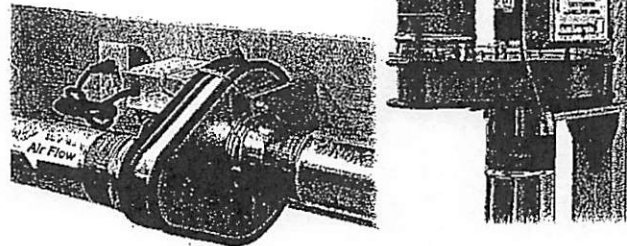
See why the LB2 Lint Blitzer™ blower wheel has a 5-year no-clog guarantee.

Go to [www.dryerboosters.com](http://www.dryerboosters.com) to see for yourself how our Dryer Duct Booster outperforms typical in-line fans in a lint build-up test.



Dryer Duct Booster® fans can be installed horizontally or vertically.

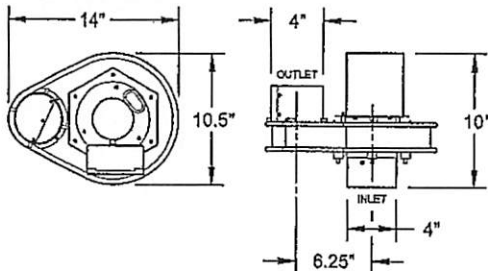
Vibration isolated mounting bracket securely holds fan while reducing noise transfer.



Horizontally Mounted

Vertically Mounted

**Dimensions**



**Specifications**

Model	Voltage	Watts	Amps	CFM
LB2	120 VAC	50	0.5	160



Available From:



**TJERNLUND PRODUCTS, INC.**

1601 Ninth Street White Bear Lake, MN 55110-6794  
 Phone: 651.426.2993 800.255.4208 Fax: 651.426.9547  
 Visit our web site: [www.tjernlund.com](http://www.tjernlund.com)

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# THE FALCON GROUP

Falcon Architectural Services, LLC Falcon Engineering, LLC Falcon Energy Consultants, LLC

One Neshaminy Interplex, Suite 106, Trevose, PA 19053  
Phone: (215) 245-7600 | Fax: (215) 245-7603  
Email: info@falconengineering.com  
www.falconengineering.com

**RECEIVED**  
DEC 03 2015  
BY: \_\_\_\_\_

December 1, 2015

**REVISED**

Springton Pointe Condominium Association  
C/o Mr. Louis Zecca and Ms. Johanna Hertz  
Carico Management  
511 West Chester Pk.  
Havertown, PA 19083

VIA EMAIL



and REGULAR MAIL

RE: Springton Pointe Condominium Association  
Dryer Vent Installation/Fan Installation - Equipment Review  
Y:\Clients\Falcon\2005\05-268\Documents\Dryer Vent Modifications\LB1201-Vent Fan Modification.Docx

Dear Mr. Zecca and Ms. Hertz:

Per your request, we have evaluated the recent information provided by the Contractor for the proposed alternate fan installation at the subject project. As we have previously written, it is our understanding that an inline fan may have been proposed in the past, but may have met with varying degrees of opposition from local municipal authorities.

Per the correspondence from Accent, the proposed Fantech equipment would not be UL listed for this application if they are used with a gas dryer; though the system would function. We believe that this would be a potential issue with the Homeowners' insurance policy and also with gaining approval from the local Code Officials.

In order to resolve this, we strongly recommend that Accent provide pricing for an alternate model as manufactured by Tjernlund. Per our conversations with this manufacturer, the LB2 model can be recommended for use at Springton Pointe. This fan is UL listed for both gas and electric dryers, can be provided with the status monitor to be installed in the laundry room, and would require less periodic maintenance performed by the residents. The manufacturer also indicated a willingness to assist with gaining approval from the Building Department.

Offices also located in:

New Haven, CT | Miami, FL | Columbia, MD | Rockville, MD  
Bridgewater, NJ | New York, NY | Easton, PA | Norfolk, VA



If there are any questions or concerns, please feel free to contact our office.

Regards,



James A. Trynosky, PE  
Vice President -- MEP Division

JT/br

Attachment: Dryer Vent Fan Cut Sheets

CC: David Guralchok, The Falcon Group  
John McCowan, The Falcon Group  
Margaret Fazel, The Falcon Group