

ATCO's NEW ULTRA-FLEX KIT PROVIDES AN EASY,  
ECONOMICAL METHOD FOR PROTECTING A FLEXIBLE  
DUCT FROM DAMAGING ULTRAVIOLET RADIATION  
EMITTED BY UV BIO-TREATMENT LAMPS



*Atco. Working Together.  
Doing It Right.*

The use of UV Bio-treatment lamps and UV Air purifiers in air handling systems is intended to decrease the buildup of harmful pathogens, such as mold, bacteria, and fungi.

As the use of these UV Bio-treatment lamps in air handling systems continues to increase, it has been determined that they can have a deteriorating effect on the inner core of many non-metallic flexible ducts.



Having recognized this potential problem, ATCO Rubber Products, Inc. has developed the ULTRA-FLEX flexible duct kit. The ULTRA-FLEX kit is designed to withstand the deteriorating effect of UV light on the inner core of a non-metallic flexible duct.

ATCO's ULTRA-FLEX should be used to replace existing flexible ductwork that is directly exposed to damaging ultraviolet radiation from UV Bio-treatment lamps.

\*See reverse side for product specifications

\*See installation instructions in box

# ULTRA-FLEX



## Additional Product Info

ATCO's New ULTRA-FLEX kit compliments the purchase of a UV Bio-treatment lamp by reducing or eliminating the deteriorating effects of ultraviolet light.

Each kit includes a 10' piece of UL181 Listed ULTRA-FLEX duct and a 4" long metal connecting sleeve. Simply replace or install ATCO's New ULTRA-FLEX duct to the plenum or return air box that contains the UV Bio-treatment lamp. If the duct is a straight run then all 10' of ULTRA-FLEX should be used; otherwise, determine the amount of flexible duct exposed to UV radiation, and replace the amount needed.

In-house testing has shown that damage from UV radiation should be minimal to non-existent farther than 10' away from most common ultraviolet light sources installed today.

## Product Data

- Length: 10'
- Diameter: 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"
- Vapor Barrier: Reinforced metallized polyester
- End Treatment: plain ends
- Packaging: 1 piece per carton (connecting sleeve enclosed)

## Warranty

ATCO warrants that all flexible ducts will be free from defects in material and workmanship for a period of five years from the date of purchase only if the ducts are installed in accordance with ATCO's installation instructions and under conditions specified in ATCO's performance data. The buyer's exclusive remedies for any defect in the flexible ducts shall be replacement or refund of the purchase price, at ATCO's option.

ATCO MAKES NO OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE. IN PARTICULAR, ATCO MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ATCO SHALL HAVE NO LIABILITY TO THE BUYER OR ANY THIRD PARTY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, LOST PROFITS OR OTHER ECONOMIC INJURY DUE TO ANY DEFECT IN THE FLEXIBLE DUCTS.

MATERIALS AND SPECIFICATIONS FOR THE FLEXIBLE DUCTS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

## Performance Data

- Rated Positive Pressure: 10" w.g. per UL-181 (UL Listed pressure ratings are determined in straight lengths at ambient temperatures.)
- Recommended Operating Pressures: (Determined in a 90° bend at elevated temperatures in accordance with ADC FD 72-R1 Test Code.) Maximum Positive:
  - 6" w.g. - 4" thru 12" Dia.
  - 4" w.g. - 14" thru 20" Dia.
 Maximum Negative:
  - 3/4" w.g. - all diameters
- Maximum Velocity: 5,000 FPM
- Vapor Transmission: .05 perms
- Maximum Operating Temperatures:
  - 20°F to 140°F Continuous (@ maximum pressure)
  - 20°F to 180°F Continuous (@ 2" pos. w.g. max)
  - 20°F to 250°F Intermittent (@ 1/2" pos. w.g. max)

- R Value: 6.0 and 8.0

(In accordance with ADC Flexible Duct Performance and Installation Standards (1991) using ASTM C-518 at installed wall thickness on flat insulation only.)

- Flame Spread: 25 max
- Smoke Developed: 50 max

INSTALLATION: Air duct connections and joints shall be made per installation instructions outlined by ATCO Rubber Products, Inc. and as required by the UL 181 listing procedure. (Installation instructions are included inside of each carton.)

## ATCO Shipping Locations



Baltimore, MD Cartersville, GA Crawfordsville, IN Fort Worth, TX  
Houston, TX Phoenix, AZ Plainville, GA Plant City, FL  
Springdale, AR Sacramento, CA Vineyard, NJ

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