



FLEXIBLE DUCT SYSTEMS

10' Insulated • UL 181
Class 1 Air Duct
Available in
R6 & R8

UltraFlex

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.



Construction

Having recognized this potential problem, ATCO Rubber Products, Inc. has developed the ULTRA-FLEX flexible duct. The ULTRA-FLEX 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.

Features & Benefits

Air-tight Inner Core	Energy efficient / No fiberglass erosion into air stream
Encapsulated Wire Helix	No unraveling when cut to length / Quick installation
Smooth Inner Core	Low friction loss / Low operating cost
Highly Resistant to Mold Growth	Tested and Validated to UL Environment's Standard UL 2824
Certified for Low Chemical Emissions	Tested and Certified to UL Environment's Standard UL 2818
Certified Thermal Performance (R-values)	UL Classified to Air Duct Council test program
Tough Reinforced Metallized Polyester Jacket	Tear and puncture resistant / Low maintenance
Lightweight Compact Carton	Reduces warehouse and Jobsite handling cost
Formaldehyde Free	Made with Owens Corning Insulation

Applications & Code Compliances

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

*ATCO recommends that you check with the local code body having jurisdiction in your area to determine applicable codes

ATCO Rubber Products, Inc

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Fort Worth, Texas 76118-7098

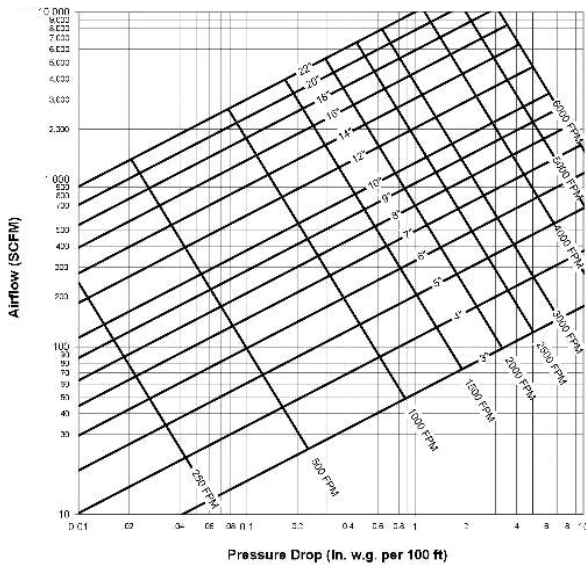
(817) 595-2894

info@atcoflex.com

Product & Performance Data



Air Friction Chart



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

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 included with product packaging and available for review and download at www.atcoflex.com

Straight Run

***FD 72-R1 Test code of the Air Duct Council.**

Friction loss is reported in inches of water gauge per 100ft of duct. By using CFM or FPM values for a given duct dimension, the friction loss can be determined. Conversion of CFM to FPM also can be made.

Performance Data

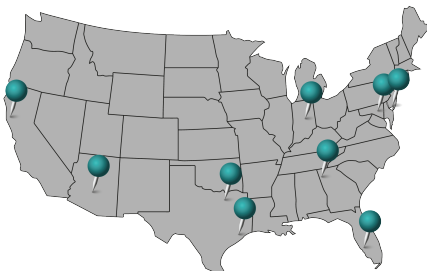
UltraFlex

- 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
- R Value: 6.0 and 8.0
- Flame Spread: 25 max
- Smoke Developed: 50 max
- 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)



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.

Manufacturing & Shipping Locations



Baltimore, MD • Crawfordsville, IN • Fort Worth, TX
 Houston, TX • Phoenix, AZ • Plainville, GA
 Plant City, FL • Sacramento, CA • Vineland, NJ

Atco Rubber Products, Inc.

Corporate Headquarters

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