



ATCO GOLD ANTIMICROBIAL

25' Insulated • UL 181
Class 1 Air Duct
Available in R8

ATCO GOLD

Coated with silver ion microbial technology to naturally inhibit mold and bacteria growth potentially suppressing offensive odors from bacteria, fungi, mold, or mildew. ATCO GOLD is ideal for hospitals, schools, laboratories, and residential applications where air purity is a concern.



Construction

ATCO GOLD is a UL Listed Class 1 Air Duct and is manufactured with a tri-directional fiberglass scrim reinforced GOLD polyester outer jacket. A double lamination of tough polyester which encapsulated a steel-wire helix forms the air-tight inner core. The core is wrapped in a thick blanket of fiberglass insulation. All thermal performance (R-Values) are certified by the Air Duct Council (ADC) and classified by UL LLC in accordance with the ADC Flexible Duct Performance and Installation Standard using ASTM C-518, at installed wall thickness, on flat insulation only. ATCO GOLD is designed for low-to-medium operating pressures.

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
Antimicrobial Inner Surface	Silver ion treated to resist microbial growth
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 GOLD is designed for indoor use as a supply and return air duct in commercial low-to-medium pressure heating and air conditioning systems. ATCO GOLD can be used as a complete air duct system and/or a branch duct connecting to mixing boxes, diffusers, light troffers, room inlets, or other terminal devices. UL-181, NFPA 90A & 90B, IMC, IRC, UMC (ICC ES Report No. ESR-1268), HUD, and California State Fire Marshal Building Materials Listing (8534-0995:0100)*

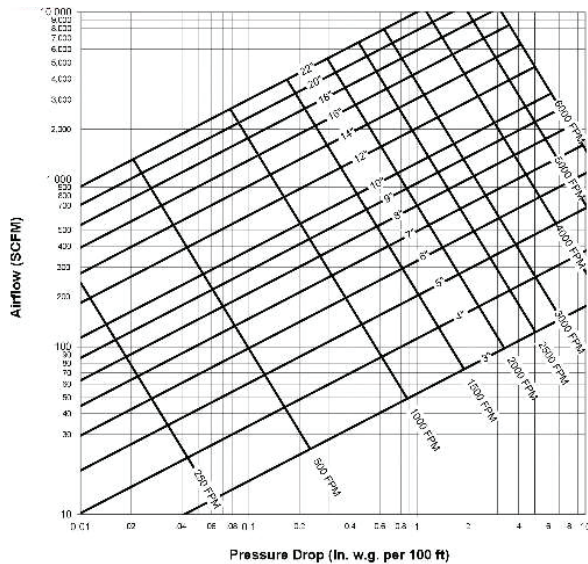
*ATCO recommends that you check with the local code body having jurisdiction in your area to determine applicable codes

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Product & Performance Data



Air Friction Chart



Product Data

Length: 25'

Diameter: 3" – 10" all diameters, plus 12" – 20" even diameters

Vapor Barrier: Tri-directional, scrim reinforced gold polyester

End Treatment: 25' – 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

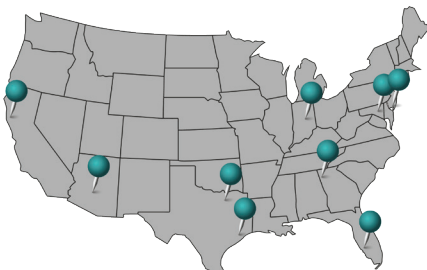
ATCO GOLD

- Rated Positive Pressure: 10" w.g. per UL-181 (UL Listed pressure ratings are determined in straight lengths @ ambient temperatures.) (With factory installed metal collars, 2" w.g. – all diameters)
- Rated Negative Pressure: ¾" w.g.
- Rated Maximum Velocity: 5,000 FPM
- 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.
- Flame Spread: 25 max
- Smoke Developed: 50 max
- Vapor Transmission: 0.05 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 (@ ½" 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

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