



# FLEXIBLE DUCT SYSTEMS

**25' Insulated • UL 181  
Class 1 Air Duct  
Available in  
R4.2, R6, & R8**

## OmniAir 1200

All thermal performance (R-Values) are certified by the Air Duct Council (ADC) and classified by UL LLC in accordance with ADC Flexible Duct Performance and Installation Standard using ASTM C-518, at installed wall thickness, on flat insulation only.



## Construction

ATCO OmniAir 1200 is a UL 181, Class 1 Air Duct and is manufactured with a tri-directional fiberglass scrim reinforced, metallized polyester outer jacket. A triple lamination of metallized polyester, aluminum foil, and polyester, which encapsulates a steel wire helix, forms the air-tight inner core. The multi-layer core is wrapped in a thick blanket of fiberglass insulation. The OmniAir 1200 is designed for low to medium operating pressures.

## Features & Benefits

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

## Applications & Code Compliances

ATCO OmniAir 1200 is designed for indoor use as a supply and return air duct in commercial low to medium pressure heating and air conditioning systems. The OmniAir 1200 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

**ATCO Rubber Products, Inc**

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Fort Worth, Texas 76118-7098

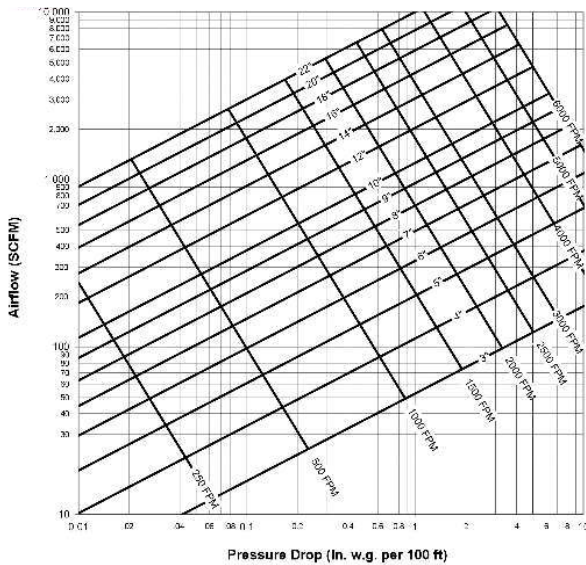
(817) 595-2894

info@atcoflex.com

## Product & Performance Data



Air Friction Chart



### Product Data

Length: 25'

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

Vapor Barrier: Tri-directional, scrim reinforced metallized 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](http://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

### OmniAir 1200

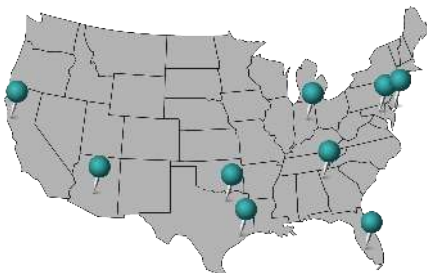
- Rated Positive Pressure: 15" w.g. 3" thru 16" dia. / 10" w.g. 18" thru 20" dia. per UL-181 (UL Listed pressure ratings are determined in straight lengths @ ambient temperatures.)  
(With factory installed metal collars, 2" w.g. – all diameters)
- Rated Negative Pressure: 2" w.g. 3" thru 20" dia.
- 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. – 3" thru 12" Dia.  
4" w.g. – 14" thru 22" Dia.
- 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)
- Flame Spread: 25 max
- Smoke Developed: 50 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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