



# Flexible Duct Systems



25' Insulated  
UL 181  
Class 1 Air Duct



**UPC #030**  
**R-Value 4.2**

**UPC #036**  
**R-Value 6.0**

**UPC #031**  
**R-Value 8.0**

All thermal performance (R-Values) are classified by Underwriters Laboratories in accordance with ADC Flexible Duct Performance and Installation Standard (1991) using ASTM C-518 (1991), at installed wall thickness, on flat insulation only.

## Description

ATCO #030, 036, and 031 are UL 181, Class 1 Air Ducts and are manufactured with a tri-directional fiberglass scrim reinforced, metallized polyester outer jacket. The inner core of all three products is air-tight and designed for low-to-medium operating pressures in HVAC systems. ATCO #036 and 031 have increased insulation for superior thermal performance.

## Construction

A double lamination of tough polyester which encapsulates a steel wire helix forms the air-tight inner core of the ATCO #030, 036, and 031. The double-layer core of each product is wrapped in multiple thicknesses of fiberglass insulation. All three products are sheathed in a rugged and durable tri-directionally reinforced, metallized polyester jacket.



## 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.
- Thick Blanket of Fiberglass Insulation** - Energy efficient / Excellent thermal characteristics
- Tough Reinforced Metallized Polyester Jacket** - Tear and puncture resistant / Low maintenance.
- Lightweight Compact Carton** - Reduces warehouse and Jobsite handling cost.



## APPLICATIONS & CODE COMPLIANCES\*



ATCO #030, 036, and 031 are designed for indoor use as a supply and return air duct in residential and commercial low-to-medium pressure heating and air conditioning systems. All three models 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 10-1 (ICC ES REPORT NO. ESR-1268), HUD 515-2.1 (b), Cities of Chicago, New York, San Francisco, County of Dade (Florida), California State Fire Marshal.\*

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