



Superior Quality
Superior Service
Superior Value

904 Series Flex Duct



Features and Benefits:

- ❖ Knauf FDM blanket insulation with Ecosse® Technology
- ❖ Greenguard® Certified insulation
- ❖ Tough, resilient black jacket
- ❖ Small profile, weather-resistant packaging

BLACK JACKET 904 SERIES

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

Construction

Air Tight Inner Core: Double lamination of strong polyester encapsulates a steel wire helix.

Insulation: Formaldehyde free, multi-thicknesses (R4,R6,R8) wrap the double layer inner core. Mold and mildew resistance. ECOSE non petroleum base binding technology.

Jacket: Tough and durable black polyethylene outer vapor barrier.

Product Description

Royal Metal flexible duct conforms to U.L. standard 181 for Class 1 Flexible Air Ducts, and is manufactured with a durable black polyethylene jacket. The three products have an air-tight inner core designed to operate at medium to low pressures in HVAC systems. The product is insulated to meet geographic building code requirements. Narrow wire spacing on core allows for low friction loss and low operating cost. Insulation is formaldehyde free, mold and mildew resistant, with ECOSE Technology which prevents itching when installing.

Application and Compliances

Product is designed for indoor use as a supply or return air duct in low to medium pressure residential and commercial heating and air conditioning systems. All three R values can be used to complete air duct systems, branch duct, connecting to mixing boxes, diffusers, room inlets, or other devices. R factor requirements are determined by geographic building codes. UL 181, NFPA 90A & 90B



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PRODUCT DATA:

Packaging: R4, R6, R8 offering available in 25' lengths in bags or boxes.
R4 and R8 offering also available in 18' lengths in bags.

Available Sizes: 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20" diameter

Standard: ETL listed/Approved to UL 181

PERFORMANCE DATA:

Intertek Testing Service

Conforms to U.L. Standard 181

Maximum Rated Velocity: 5500 FPM

Maximum Rated Positive Pressure: 10" W.G. 4" through 20" I.D. Maximum

Rated Negative Pressure: 3/4" W.G. 4" through 20" I.D.

Flame Spread: 25 max

Smoke Developed: 50 max

Temperature Range: -20°F, 250°F continuous

Code Compliance: NFPA 90A and 90B, UL 181

See installation instructions for joint treatments

Warranty: Royal Metal Products warrants that its flexible air duct will be free from defects in material and factory workmanship for a period of five (5) years from date of manufacture. This warranty applies only to the ducts installed in accordance with Air Duct Council (ADC) flexible duct performance and installation standards and within the conditions specified in published performance data. The warranty is for exchange of duct only and does not include installation. Royal Metal Products shall have no liability to the buyer or third party for any special, incidental or consequential damages.