



**Superior Quality**  
**Superior Service**  
**Superior Value**

## 903 Series Flex Duct



### Features and Benefits:

- ❖ Knauf FDM blanket insulation with Ecose® Technology
- ❖ Greenguard® Certified insulation
- ❖ Tough, heavy, HUD compliant jacket
- ❖ Small profile, weather-resistant packaging

## MOBILE HOME 903 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) wraps the double layer inner core. Mold and mildew resistant. ECOSE non petroleum base binding technology. **Jacket:** Black heavy polyethylene jacket that complies with HUD requirements for outdoor mobile or modular home use.

### 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. This product complies with HUD requirements for outdoor mobile or modular home installations. 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 use as a supply or return air duct connecting a self contained HVAC system to the main air duct of a mobile home or modular home, a complete system and/or branch duct in a horizontal or up-flow HVAC system in a mobile home or modular home. May also be used as a crossover air duct to join the main air ducts of a double wide mobile or modular home. 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 HUD 3280.715, HUD 515-2.1.



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### PRODUCT DATA:

**Packaging:** product available in boxes or bags.  
**Available Sizes:** R4 and R6 only. 10",12",14",16" 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 HUD 3280.715, HUD 515-2.1**

**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.