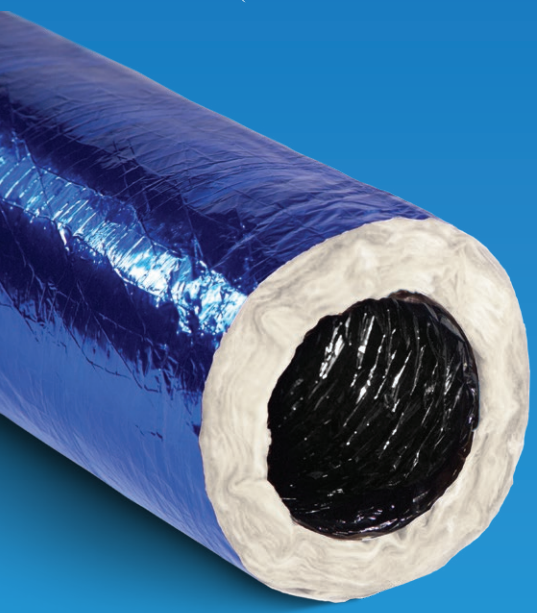
# AmgFlex™ Duct



## Product Specifications

An indoor air quality system is not complete without AmgFlex Duct from Quietflex. AmgFlex Duct continuously inhibits the growth and subsequent spreading of various bacteria, fungi, mold and mildew with an antimicrobial coating, Agion,® on the inner core. This provides a naturally effective solution to combat microbial growth by employing a silver-based technology. Furthermore, AmgFlex uses Johns Manville insulation, which helps reduce overall formaldehyde exposure and results in a healthier and safer home.

**www.quietflex.com**

## Key Features & Benefits

- **The inner core is coated with Agion antimicrobial technology which resists mold and fungus growth**
  Agion is a coating that incorporates the natural protection from silver to inhibit the growth of mold and bacteria.
- **GREENGUARD® certified**
- **Effective against a broad spectrum of bacteria**
  The treated flex duct suppresses offensive odors that could occur from fungi, mold or mildew.
- **Meets or exceeds performance levels dictated by ASTM E2180**
- **Blue jacket with polyester vapor barrier and heavy-duty rip-stop scrim reinforcement**
- **Methods /organism tested for each assessment are:**
  1. AATCC 30 - Aspergillus Niger
  2. AATCC 147 - Staphylococcus aureus, Klebsiella pneumoniae
  3. ASTM E2149 - Staphylococcus aureus, Klebsiella pneumoniae, Pseudomonas aeruginos
- **Johns Manville insulation**
  Using insulation helps meet the US EPA recommendation to minimize exposure to formaldehyde and California EPA's recommendation to use insulation with no added formaldehyde.
- **Available in R6.0 and R8.0**
- **Galvanized metal core reinforcement**
- **Oversized core to fit on collars and register boxes**
- **Weather resistant bag packaging**

## Other products we offer:

- Air Handling - Duct Wrap
- Air Handling - Duct Board

GREENGUARD Indoor Air Quality Certified · UL LISTED · ADC · HARDI · JM Johns Manville · QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV ISO 9001:2000

# FLEX DUCT PRODUCT:

AMGFLEX DUCT – ANTIMICROBIAL CORE

## Core

- Active antimicrobial core
- Inner layer of Agion coated polyester film and outer layer of polyester film
- Two layers of film encapsulate a heavy duty galvanized or bronze coated wire helix
- Rated positive pressure is 10" W.C. and negative pressure is 1/2" W.C. per the UL 181 standard
- Rated maximum air velocity is 6000 FPM

## Configurations

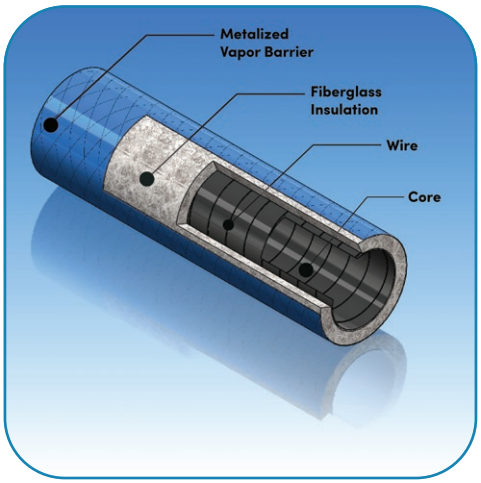
- Diameters available: (R6.0): 3"-10," 12," 14," 16," 18," 20" and 22"
- Diameters available: (R8.0): 3"-10," 12," 14"16," 18," and 20"
- Lengths available: 25 ft

## Approvals

- UL Listed/Approved to UL 181 Standard
- NFPA standards 90A and 90B
- HUD/FHA standards 515.2.1 Paragraph B
- Meets most federal, state and local codes and standards
- GREENGUARD certified entire duct construction

## Fiberglass

- R6 and R8 certified by UL and the Air Diffusion Council using ASTM C-518 at installed thickness of insulation
- Made of formaldehyde free materials




## Surface burning characteristics

- Flame spread: Less than 25
- Smoke developed: Less than 50
- Class 1 rated duct assembly

## Operating temperature range

- -20˚F to 180˚F - Continuous
- -20˚F to 200˚F - Intermittent

## Vapor barrier

- The Quietflex Rip Stop Blue Jacket Flex Duct has a metalized polyester-vapor barrier with a special "rip stop" scrim reinforcement
- Vapor Transmission: at or below 0.05 perms

| Job Name | | Submitter: | | Date: | |
|---|---|---|---|---|---|
| Location | | | | Class 1 insulated flexible air duct metalized polyester vapor barrier/AMGflex | |
| Contractor | | | | | |
| Engineer | | | | QFSD-010-01 | |
| Architect | | | | | |

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**Limited Warranty | Limitation of Liability | Disclaimer of Unstated Warranties**
The flexible air duct is warranted by Quietflex Manufacturing Company, L.P., for ten (10) years against defects in material and workmanship. This warranty is for exchange of duct only and does not include installation.

**Warranty Exclusions**
Warranty is excluded if flexible air duct is used in the following installations / applications:
1. Where duct is exposed to direct or indirect light.
2. Where duct is used on the high – pressure side of variable air – volume (VAV) systems.

**Limitation of Liability**
Quietflex's liability for damages, whether in contract, in tort, under warranty, in negligence or otherwise, shall not exceed the return of the amount of the purchase price paid for the Quietflex products. Quietflex shall not be liable for special, indirect or consequential damages. Specification and performance data listed herein are subject to change without notice.

**Disclaimer of Unstated Warranties**
This warranty is the only warranty of Quietflex products. All other warranties, expressed or implied, including, but not limited to, warranties of merchantability and fitness for a particular purpose are expressly disclaimed. Quietflex is a registered trademark of Quietflex Manufacturing Company, L.P.