



# HPDFlex™ Duct (Commercial)



## Product Specifications

Quietflex® HPDFlex™ Duct is able to satisfy the demands of high pressure HVAC applications by being rated for up to -2 inch W.C. negative and +16 inch W.C. positive static pressure. This high pressure duct has a resilient metallic, polyester vapor barrier with a special "rip-stop" scrim reinforcement. It also uses Johns Manville Formaldehyde-free™ insulation, which helps reduce overall formaldehyde exposure. Furthermore, HPDFlex 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.

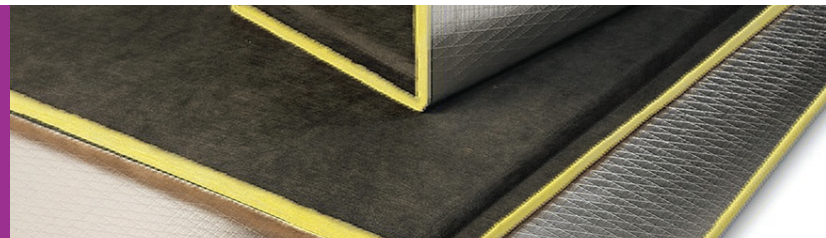
[www.quietflex.com](http://www.quietflex.com)

## Key Features & Benefits

- **-2" W.C. negative and +16" W.C. positive static pressure**
- **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.
- **Available in R4.2, R6.0 and R8.0**
- **GREENGUARD® certified**
- **Johns Manville Formaldehyde-free fiber glass insulation**  
Using Formaldehyde-free insulation helps meet the US EPA recommendation to minimize exposure to formaldehyde and California EPA's recommendation to use insulation with no added formaldehyde.
- **Galvanized or bronze metal core reinforcing**
- **Weather resistant bag packaging**
- **Easy-to-carry package**
- **Oversized core to fit on collars and register boxes**

## Other products we offer:

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



HARDI



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
ISO 9001:2000



# FLEX DUCT PRODUCT:

HPDFLEX DUCT - COMMERCIAL

## Core

- 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 16" W.C. and negative pressure is 2" W.C. per the UL 181 standard
- Rated maximum air velocity is 6000 FPM

## Configurations

- Diameters available: 4"-10", 12", 14", 16"
- Lengths available: 25 ft

## Operating temperature range

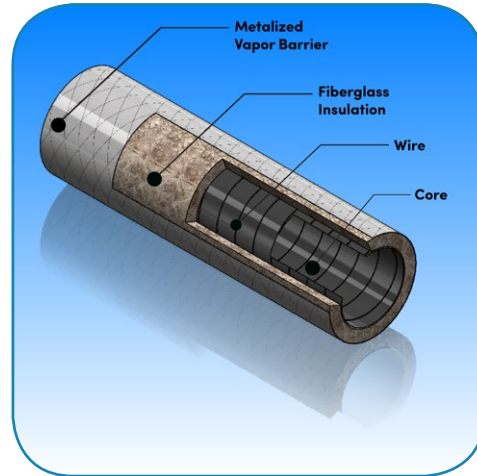
- -20°F to 180°F - Continuous
- -20°F to 200°F - Intermittent

## Fiberglass

- R4.2, R6.0 and R8.0 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



## 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

## Vapor barrier

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

<b>Job Name</b>		<b>Submitter:</b>		<b>Date:</b>	
<b>Location</b>					Class 1 insulated flexible air duct metalized polyester vapor barrier/HPDFlex  <b>QFSD-009-01</b>
<b>Contractor</b>					
<b>Engineer</b>					
<b>Architect</b>					

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10-year limited parts warranty. Visit [www.quietflex.com](http://www.quietflex.com) for complete warranty details.

### 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.