



# AMF-05 R6

Acoustical Flexible Air Duct  
with Factory Installed Collars

JPL strives to be the  
best flexible ductwork  
manufacturer in the  
United States

JPL's process is state  
of the art, yielding the  
highest quality product  
on the market

## Contact Us!

1-800-255-FLEX (3539)

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



AMF-05 is a UL-181 listed and labeled acoustical flexible air duct with universal male/female collars factory installed on each end.

### Physical Description

AMF-05 (5' length) acoustic flexible duct is constructed with a galvanized wire helix & a unique sound-transparent, spun-bonded, non-woven inner core.

Fiberglass insulation of R6 encompasses the core and a unique metalized, reinforced vapor barrier surrounds the entire duct. Universal male/female collars are factory installed on each end.

### Product Data

**Diameters:** 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"

**Length:** 5 feet

**Packaging:** 3 sections (15') per carton.

**Vapor Barrier:** Metalized, Reinforced Polyester.

**End Treatments:** Universal male/female sheet metal collars secured with UL-181 FX Tape.

**Inner Core:** Acoustically designed spun-bonded, non-woven fabric for maximum insertion loss and shielding the air stream from fiberglass erosion.

### Features & Benefits

- UL Listed & Labeled
- Superior insertion loss characteristics
- 10 Year limited warranty
- GREENGUARD Gold Certification
- Formaldehyde Free (see [www.jplflex.com](http://www.jplflex.com) for more info)
- Unique reinforced, metalized vapor-barrier Collars sealed with UL-181 FX Tape
- Certified R-Values
- Airport Residential Noise Reduction Remedy



### Performance Data

**Thermal Value:** R6 Classified by Underwriters Laboratories, Inc. and bears the ADC Thermal Certification Mark.

**Maximum Positive Pressure:** 3" W.G. (4"-12")  
2" W.G. (14"-20") determined by ADC Test FD-72R1 at elevated temperatures with a 90° elbow.

**Maximum Negative Pressure:** 1" W.G. (4"-10") 1/2" W.G. (12"-20").

**Vapor Barrier:** Flexible air ducts are for indoor applications only and should not be exposed to direct ultraviolet light.

**Maximum Velocity:** 4,000 FPM.

**Operating Temperature:** 0°F to 140°F Continuous, 0°F to 200°F Intermittent.

**Permeance:** (Vapor - Barrier) 0.01 US Perms per ASTM E96A-94.

**Acoustical Data:** See reverse side for acoustical properties.

### Code Compliance & Approvals

Listed & Labeled Underwriters Laboratories, Inc. File # MH11637  
UL-181 Class 1 Air Duct  
Flame Spread 25 or Less  
Smoke Developed 50 or Less.  
Meets the requirements of NFPA 90A & 90B  
UMC & IMC and most model codes.  
California Insulation Manufacturer #TD-1092.

JP Lamborn Company - Plants in California, Colorado, Florida & Tennessee



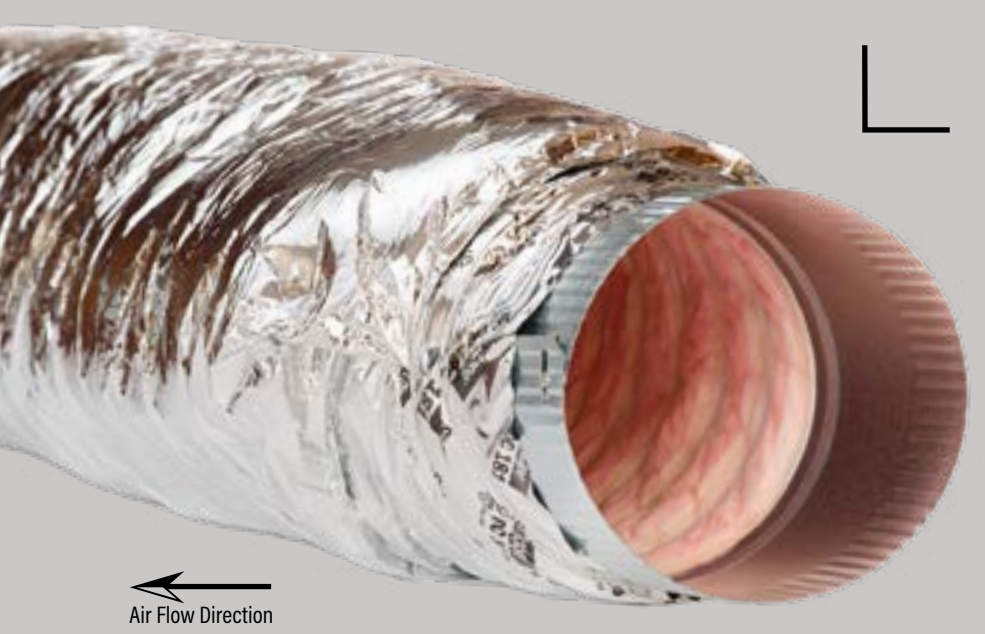
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# AMF-05 R6

## Acoustical Flexible Air Duct with Factory Installed Collars

JPL provides consistent performance - all at a fair price and unbeatable quality since 1961.

JPL flex duct is the best in the business.

JPL summed up in a single word - Trust.

### ACOUSTIC PROPERTIES FOR DUCTS WITH TYPE AMF & AMR

#### INSERTION LOSS (dB) IN FORWARD FLOW CONDITIONS FOR 10 FT LENGTH

Diameter	Center Frequency Hz	125	250	500	1000	2000	4000
6"	1000 FPM	33	39	38	42	48	>48
	1500 FPM	30	37	38	42	48	>48
	2000 FPM	28	32	35	39	44	>47
	3000 FPM	17	26	36	37	36	33
8"	1000 FPM	36	37	36	41	49	35
	1500 FPM	33	37	36	41	49	37
	2000 FPM	26	33	36	40	48	38
	3000 FPM	17	24	36	39	42	36
12"	1000 FPM	33	31	28	35	39	24
	1500 FPM	32	30	28	35	39	25
	2000 FPM	28	30	28	35	40	25
	3000 FPM	21	25	29	34	37	26

Note: If data preceded by the ">" symbol, the actual insertion loss is greater or equal to the data shown. Calculation of insertion loss has been limited by the airflow generated sound pressure level of the duct noise, background noise, or instrumentation.

#### RADIATED NOISE REDUCTION FOR 10 FT LENGTH

Diameter	Center Frequency Hz	125	250	500	1000	2000	4000
6"	0 FPM	4	4	6	9	11	15
	2500 FPM	6	5	7	9	11	15
8"	0 FPM	4	4	6	9	10	13
	2500 FPM	6	5	6	9	10	13
12"	0 FPM	5	5	5	6	7	9
	2500 FPM	7	6	6	6	7	8

#### AIRFLOW GENERATED SOUND POWER LEVEL (dB) FWD FLOW CONDITIONS FOR 10 FT LENGTH

Diameter	Center Frequency Hz	125	250	500	1000	2000	4000
6"	1000 FPM	<41	<33	<29	<24	<22	<25
	1500 FPM	<43	<39	<37	<31	<26	<25
	2000 FPM	<45	<45	44	<38	<35	<28
	3000 FPM	<52	54	53	<48	<45	<39
8"	1000 FPM	34	26	<23	<17	<17	<21
	1500 FPM	<37	33	<30	<23	<18	<21
	2000 FPM	43	43	39	33	<27	<24
	3000 FPM	52	53	49	<43	<40	<37
12"	1000 FPM	<38	<31	<26	22	19	<22
	1500 FPM	<40	<37	<34	<31	<24	<22
	2000 FPM	<43	<43	<41	<39	<33	<26
	3000 FPM	<52	<52	52	<51	<47	<40

Note: If data is preceded by the "<" symbol, the actual generated sound power level is less than or equal to the data shown. Calculation of generated sound power level has been limited by background noise, or instrumentation.

This data was derived by testing in accordance with ASTM E477 and ADC test Code FD 72-R1 by a 3rd party NVLAP® accredited testing laboratory. Full report includes 1/3 octave band data and is available upon request. Report # A030092 (12/3/03).

This information is based on controlled laboratory conditions. JP Lamborn Co makes no warranty that the data is representative of actual use conditions.

AMF & AMR has been a solution in meeting the minimum requirements for Airport Residential Noise Reduction.

### Ten Year Limited Warranty

JP Lamborn Company warrants that all of its UL-181 Flexible Air Ducts (the 'Product') will be free from defects in materials and workmanship under normal use for a period of ten (10) years from date of manufacture. This warranty shall apply only to the Product when installed in the U.S.A. in accordance with JP Lamborn Company's written installation instructions and within the conditions and limitations of the published performance data.



- Specifications subject to change without notice. -

Proper use and installation of these products shall be in accordance with UL-181 and ADC recommended installation instructions in each package.

Download:

[10 Year Warranty](#)

Contact JP Lamborn

JP Lamborn Co.

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



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Heating Air-conditioning & Refrigeration Distributors International

