

Triple Lock[®] Medical Grade

Acoustic FLEXIBLE DUCTING

Triple Lock[®] T/L-AMG

This medical grade insulated acoustic air duct is manufactured using a dead soft perforated aluminum strip, spirally wound and mechanically joined together. The fiberglass blanket is totally isolated from the air stream by a seamless polyethylene liner, which is draped with thick fiberglass insulation and covered by a flame retardant, scrim foil mylar or polyethylene vapour barrier. Triple Lock[®] (T/L basic) perforated core with an open area of 20% to 25% to completely cushion sounds, such as air movement and duct vibrations.

Ideal for use in medical care facilities and should allow for a comparatively noise free environment.

Suggested Specification

Flexible duct shall be Triple Lock[®] T/L-AMG by Flexmaster. The duct shall be made of perforated dead soft aluminum and manufactured in a manner to produce a three ply mechanical airtight seam. The core will be factory wrapped with a seamless polyethylene liner, wrapped with thick fiberglass insulation and covered by a flame retardant, scrim foil mylar or polyethylene vapour barrier. This flexible acoustic aluminum duct shall be UL181 Class 1 Air Connector and meets CAN/CSA- Z317.2-15 special requirements for heating, ventilation and air-conditioning (HVAC) systems in health care facilities.

- **Three ply Triple Lock[®] seam**
- **Manufactured from dead soft pure aluminum**
- Exceptional strength
- Corrosive resistant
- Anti-microbial properties
- Air stream protected by seamless polyethylene liner
- Vibration deadening properties
- Lightweight and self supporting
- Acoustic qualities
- Highly puncture resistant
- Thermal reliability

Polyethylene vapour barrier also available on request



Acoustic Properties for Standard and Acoustic Ducts

Straight duct - insertion loss (db) in forward flow conditions for 10 feet length

Model #	Center Frequency (Hz)	125	250	500	1000	2000	4000
T/L-AMG	0 FPM	6	10	25	31	40	27
	2500 FPM	6	11	25	>32	>38	25

Material: Perforated aluminum core (min 20%), polyethylene vapour liner, insulation, mylar or polyethylene vapour barrier

Thermal Resistance: R4.2, R6, R8

Maximum Rated Velocity: 20.3 m/s (4000 fpm)

Maximum Positive Pressure: 1.5 kPa (6 in. WC)

Maximum Negative Pressure: 0.25 kPa (1 in. WC)

Temperature Range: -40°F to +250°F (-40°C to +121°C)

Bend Radius: 1½ x diameter

Available Sizes: 6" - 16"

Standard Lengths: 10 ft

UL Listing: UL181 Class 1 Air Connector

NOTE: This UL Class 1 product has a flame spread rating of not over 25 without evidence of continued progressive combustion and a smoke developed rating of not over 50.

All products are warranted to be free from all defects in material and workmanship. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete [Terms and Conditions of Sale](#) located on our web sites at: www.novaflex.com / www.z-flex.com / www.flexmaster.com.

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FLEXMASTER
HVAC Products

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