

## 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 acoustic polyethylene liner, which is draped with thick fiberglass insulation and covered by a flame retardant, scrim foil mylar 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 seam. The core will be factory wrapped with a seamless acoustic polyethylene liner, wrapped with thick fiberglass insulation and covered by a flame retardant, scrim foil mylar vapour barrier. This flexible acoustic aluminum duct shall be ULC S110 Class 1 Air Connector.



- 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

<b>Material:</b>	Perforated aluminum core (min 20%), polyethylene vapour liner, insulation, mylar vapour barrier
<b>Thermal Resistance</b>	R4.2, R6, R8
<b>Maximum Rated Velocity:</b>	20.3 m/s (4000 fpm)
<b>Maximum Positive Pressure:</b>	1.5 kPa (6 in. WC)
<b>Maximum Negative Pressure:</b>	0.25 kPa (1 in. WC)
<b>Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)
<b>Bend Radius:</b>	1½ x diameter
<b>Available Sizes:</b>	6" - 16"
<b>Standard Lengths:</b>	10 ft
<b>ULC Listing:</b>	ULC S110 Class 1 Air Connector

**NOTE:** This ULC 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 in accordance with ULC S102.

### 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

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