

SUBMITTAL DATA

ACOUSTICAL LOW-PRESSURE FLEXIBLE ALUMINUM DUCT



Specifications

Acoustical Low-Pressure Flexible Aluminum Duct Model BDA

- A. Contractor shall provide and install Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct as manufactured by Buckley Associates, Sheet Metal Workers Local 17, or approved equal. Flexible duct with fabric or nonmetal core are not acceptable.
- B. Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be comprised of an inner perforated core with an open area 20% to 25% of Triple-Lock Flexible Air Duct as manufactured by Buckley Associates. The perforated inner duct shall be enclosed in a 1½" thick fiber glass insulation having a density of ½ lb.
- C. The insulation shall be covered by a seamless polyethylene jacket which is U. L. approved.
- D. Triple-Lock Flexible Air Duct shall be made of dead soft aluminum sheet, spiral wound into a tube and spiral corrugated to provide strength and stability. The joint shall consist of a triple lock that is mechanically pre-formed without the use of adhesives to make a durable airtight seam. A double lock is not acceptable.
- E. Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be factory rated at 2" positive pressure and 1" negative pressure.
- F. All Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be individually cartoned and labeled for delivery on the job site for maximum protection and shipped in 5', 7' or 10' lengths.

Single Wall— Straight +500 FPM

Octave Band	2	3	4	5	6	7	8	
HZ	125	250	500	1000	2000	4000	8000	
Noise Reduction	5' Straight 8" Ø Acoustical Low-Pressure Flexible Aluminum Duct (Single-Wall Perforated)	-2	-16	-17	-18	-13	0	+3
	5' Straight 8" Ø Hospital Grade Acoustical Low-Pressure Flexible Aluminum Duct (Single-Wall Perforated, Liner)	-2	-13	-16	-16	-11	-3	-5



Specifications

Hospital Grade Acoustical Low-Pressure Flexible Aluminum Duct Model BDAHG

- A. Contractor shall provide and install "Hospital-Grade" Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct as manufactured by Buckley Associates, Sheet Metal Workers Local 17, or approved equal. Flexible duct with fabric and nonmetal core are not acceptable.
- B. "Hospital-Grade" Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be comprised of an inner perforated core with an open area 20% to 25% of Triple Lock Flexible Air Duct as manufactured by Buckley Associates. The perforated inner duct shall be sheathed in a U. L. approved seamless polyethylene jacket. A 1 ½" thick fiber glass insulation having a density of ½ lb. shall be totally encapsulated and sealed at each end to maintain a thermal barrier and prevent erosion or entrainment of particulate into the air stream. The outer jacket shall consist of a black fire-retardant polyethylene. The complete duct assembly shall conform to the amended standards of NFPA-90A.
- C. Triple-Lock Flexible Air Duct shall be made of dead soft aluminum sheet, spiral wound into a tube and spiral corrugated to provide strength and stability. The joint shall consist of a triple lock that is mechanically pre-formed without the use of adhesives to make a durable airtight seam. A double lock is not acceptable.
- D. "Hospital-Grade" Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be factory rated at 2" positive pressure and 1" negative pressure.
- E. All "Hospital-Grade" Acoustic Triple-Lock Low Pressure Aluminum Flexible Duct shall be individually cartoned and labeled for delivery on the job site, for maximum protection and shipped in 5', 7', or 10' lengths.

To maintain Buckley's policy of continuous improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation. **Manufactured by Sheet Metal Union Local 17.**

MANUFACTURED BY: Buckley Associates, Inc. HANOVER, MA

Visit us on the World Wide Web at: <http://www.buckleyonline.com>

