

# SUBMITTAL DATA

## BUCK DUCT SILENCER



### Specifications

#### Buck Duct Aluminum Silencer Model BDS

A. Contractor shall provide and install Acoustic Triple-Lock Aluminum 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. Acoustic Triple-Lock Aluminum Duct shall be comprised of an inner perforated core with an open area 20% to 25% of Triple-Lock Air Duct as manufactured by Buckley Associates. The core shall be enclosed in a 1½" thick fiber glass insulation having a density of ½ lb. The aluminum outer shell shall be Triple-Lock Aluminum Flexible Ducting, factory tested to 12" of static pressure without leakage. End fittings shall be factory installed. 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. All Acoustic Triple-Lock Aluminum Duct shall be individually cartoned and labeled for delivery on the job site, for maximum protection, and shipped in 3', 5', 7' or 10' lengths.



### Specifications

#### Hospital Grade Buck Duct Aluminum Silencer Model BDSHG

A. Contractor shall provide and install "Hospital Grade" Acoustic Triple-Lock Aluminum 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 Aluminum Duct shall be comprised of an inner perforated core with an open area 20% to 25% of Triple-Lock Air Duct as manufactured by Buckley Associates. The perforated inner duct shall be sheathed in a U. L. approved seamless polyethylene jacket. A 1½" thick fiber glass insulation having a density of ½ lb. shall be totally encapsulated to prevent erosion or entrainment of particulate into the air stream. The aluminum outer shell shall be triple-lock aluminum flexible ducting, factory tested to 12" of static pressure without leakage. End fittings shall be factory installed. 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. All "Hospital Grade" Acoustic Triple-Lock Aluminum Duct shall be individually cartoned and labeled for delivery on the job site, for maximum protection, and shipped in 3', 5', 7' or 10' lengths.

Double Wall— Straight +500 FPM

Octave Band	2	3	4	5	6	7	8	
HZ	125	250	500	1000	2000	4000	8000	
1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	5' Straight 8" Ø Buck Duct Aluminum Silencer (Double-Wall Straight)	+2	-3	-12	-23	-17	-7	-7
	5' Straight 8" Ø Hospital Grade Buck Duct Aluminum Silencer (Double-Wall Straight w/ Interior Lining)	+2	-5	-13	-22	-12	-6	-8

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**

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