Submittal Data

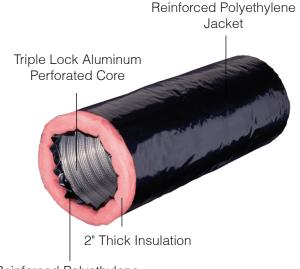
Hospital Grade Acoustical Low Pressure Buct Duct

Construction Features

Buckley's Hospital Grade Acoustical Low-Pressure Aluminum Buck Duct is comprised of an all-aluminum perforated core with an open area of 20-25%. The perforated inner duct is enclosed in a 2" thick fiberglass insulation and is isolated from the airstream by a UL approved seamless polyethylene liner. The outer jacket is available in either black polyethylene (BDAPHG) or reinforced aluminum (BDAHGM) options.

Technical Data

Standard Lengths (Feet) Inside Diameter (Inches) Inside Bend Radius (Inches	5' or 10' 5"-10", 12",14",16")Min. ½ x 1 Diamater
Air Friction Loss	See Friction Loss Chart
Vapor Barrier Permeance	1 Perm per A.S.T.M
	E-96-66, Procedure A
UL Listing	UL 181, Class 1 Air Duct
Standards	NFPA 90A AND 90B
Codes	HUD/FHA MIN. Property Std.
Rated Velocity (F.P.M.)	5500 F.P.M.
Internal Working Pressure (V	V.G.) 2" w.g. positive
	1" w.g. negative
Minimum Burst Pressure	2 ½ times working pressure
Operating Temperature Ran-	ge40° to +250° F
Flame Spread	Less than 25
Smoke Developed	Less than 50
Thermal Conductance	C Factor, not more than .23
R-Value	6.0



Reinforced Polyethylene Jacket

Noise Reduction db (5' ft length, 8" inch diamater)

Octave Band	2	3	4	5	6	7	8
HZ	125	250	500	1000	2000	4000	8000
Model BDAHGP Buck Duct Hospital Grade Acoustial Low-Pressure	-2	-13	-16	-16	-11	-3	-5

About Our Tests

Our tests were conducted by Energistics Laboratory, an independent research development facility. All testing and rating procedures used by the laboratory are accordance with ARI, ADC, ISO, and ASHRAE standards as applicable. The results of the testing are based on test results of sound collected on various types of eight-inch round Buck Duct specimens. Each test sample was tested at a velocity of 500 FPM and was then compared to hard metal duct at the same velocity. For the purpose of these tests, the only comparison made is test specimens to hard duct.



