

Project: _____
 Contractor: _____
 Engineer: _____

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FLEXIBLE RETURN AIR KITS; TYPE 6 ACOUSTICAL FLEXIBLE DUCT



Attachment per UL 181 requirements



Type 6M



Type 6B

CONSTRUCTION FEATURES

Flexmaster USA's ETL Type 6 Flexible Return Air Kits are manufactured to meet the highest quality standards in strength, permeability and fire resistance required in a flexible air duct. This insulated, ETL Class 1 AIR DUCT is fabricated with an acoustical liner which allows sound energy to penetrate the duct wall. All Flexible Duct Kit Assemblies meet the ETL attachment requirements for flexible duct to sheet metal collars.

LINER

A Spun Bond Nylon liner,
 Mechanically Locked Without
 Adhesives.

VAPOR BARRIER

Fire Retardant Material.
 Available in Polyethylene or Aluminum Material
 Excellent Strength at Low Temperatures.
 Will Not Age Harden.

HELIX

Corrosion Resistant Galvanized Steel.
 Formed and Mechanically Locked to fabric.

INSULATION

Formaldehyde-free fiberglass insulation by Johns Manville.

TECHNICAL DATA			
Standard lengths (feet)	5', 6' and 7'	Rated Velocity	5500 F.P.M.
	Special lengths on request		
Inside Diameter (inches)	3", 4", 5", 6", 7", 8", 9", 10" 12", 14", 15", 16", 18", 20"	Working Pressure (W.G)	6" w.g. Positive 5" w.g. negative thru 16" dia 1" w.g. negative, 18" & 20" dia
Center Line Radius (inches)	1 X ID (All Sizes)	Operating Temperature Range	-20° to +250° F
Vapor Barrier Permeance	B - .1 perm; M - .05 perm ASTM E96, Procedure A	Flame Spread	Less than 25
Tested By	ETL Class 1 Air Duct	Smoke Developed	Less than 50
Standard Codes	NFPA 90A and 90B, BOCA, SBBC HUD/FHA, MIN Property Std.	Thermal Conductance	available R4.2, R6.0, R8.0

26 Gauge, G90 Collars	End A	End B	Insulation	Outer Vapor Barrier
<input type="checkbox"/> Male	_____	_____	<input type="checkbox"/> R 4.2	<input type="checkbox"/> B - Black Fire Retardant Polyethylene Material
<input type="checkbox"/> Female	_____	_____	<input type="checkbox"/> R 6	<input type="checkbox"/> M - Fire Retardant Reinforced Aluminum Material
<input type="checkbox"/> Worm Gear	_____	_____	<input type="checkbox"/> R 8	
<input type="checkbox"/> Square to Round	_____	_____		