

SUBMITTAL RECORD

JOB _____
LOCATION _____
SUBMITTED TO _____
SUBMITTAL PREPARED BY _____
APPROVED BY _____
DATE _____

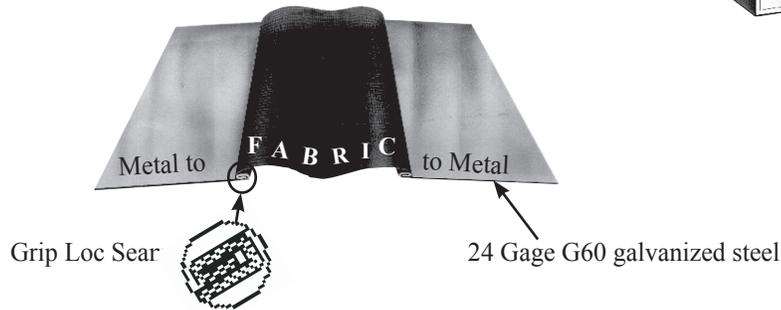
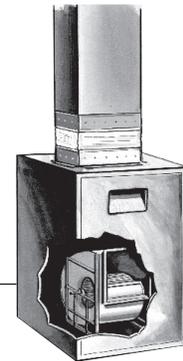


Specification Form VERSALON MVL Flexible Duct Connector

DESCRIPTION

All air duct installations for heating, cooling or ventilation are attached to mechanical equipment containing a fan or blower. Vibrations, noises and rattles resulting from operation of the fan or blower are transmitted into the metal ducts which carry the noises throughout the system.

In order to isolate the vibration and noises to the source, an airtight flexible joint, consisting of a fabric which is attached to sheet metal on both sides, must be inserted between the equipment and the ductwork. This vibration isolator is called a "Flexible Duct Connector."



VERSALON

Continuous Temp. Range	-40° to 180° F
Color	Black
Base Fabric	Woven Polyester
Coating	Vinyl
Weight Per Square Yard	16 oz
Leakage Resistance 1	350 psi
Tear Strength 2	100/100 lbs
Tensile Strength 3	240/220 lbs
Metal-Fab (3"x3"x3")	
TDC / TDF (4"x4"x4")	

1. Leakage resistance as per Federal Test Standard 191 Method #5512. Results in P.S.I. (To convert inches of water multiply P.S.I. x 27.176).
2. Tear strength in tongue pounds as per Federal Test Standard 191 Method #5134.1 (warp/fill).
3. Tensile strength in grab pounds as per Federal Test Standard 191 Method #5100 (warp/fill).

All Duro Dyne commercial grade Flexible Duct Connector Products are suitable for pressures of -10 to +15 wg. Duro Dyne's standard 'single fold' metal to fabric grip has been tested by an independent testing laboratory to withstand a negative pressure of -10" WC and a positive pressure of +17.25" WC with no tearing or visible separation.

SUGGESTED SPECIFICATION

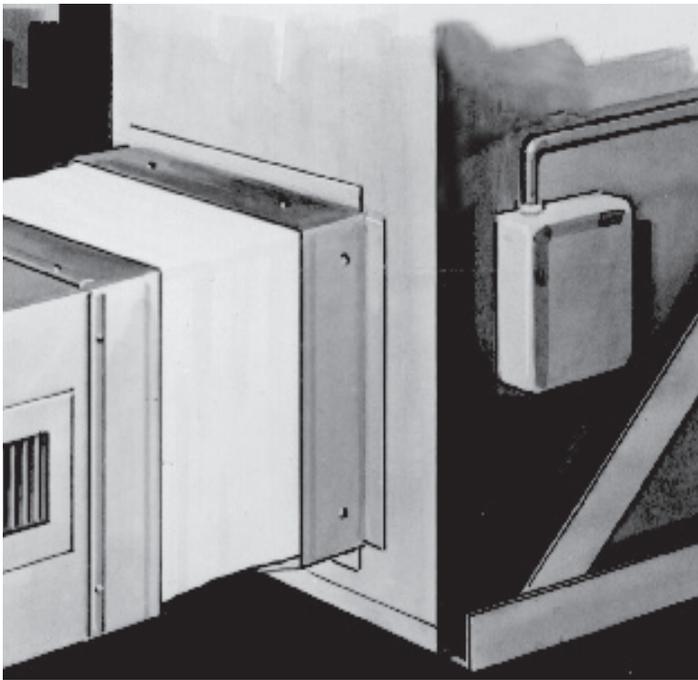
Vibration Isolating Flexible Duct Connector for Heating, Cooling & Exhaust Supplies & Returns.

At the inlet and discharge of all air handling equipment (unless otherwise noted) furnish and install vibration isolators. Vibration isolators shall be a Vinyl coated woven fabric named Versalon and Meets NFPA 90A & NFPA 90B.

Vibration Isolators shall be preassembled metal to exposed fabric to metal. Fabric and metal shall be joined by means of a Grip Loc seam.

Vibration Isolators shall have a Tear Strength of not less than 100/100 lbs, and a continuous temperature range of -40° to 180° F.

Vibration Isolators shall be Code _____ (called Flexible Duct Connectors) as manufactured by Duro Dyne Corporation, Bay Shore, N.Y.



Duro Dyne Versalon Flexible Duct Connector Fabrics are designed to meet the following specifications:

1. MIL-C-20696B Para. 4.4.3. (Oil Resistance).
2. MIL-C-20696B Para. 4.4.4. (Hydro Carbon Resistance).
3. NFPA 90A Installation of Air Conditioning and Ventilating Systems Para. 2-3.2.2 1999 Edition.
4. NFPA 90B Warm air heating and air conditioning systems. Para. 2-1.1.1 exc. no 3 1999 Edition.
5. NFPA701 Tests for Flame Propagation of Fabrics and film.

All Duro Dyne Flexible Duct Connectors utilize galvanized steel meeting ASTM-A-525 G 60.

CHEMICAL RESISTANCE

(X = Extremely Resistant)
 (- = Not Recommended)
 (O = No Data Available)

Acetic Acid	-	Hydrofluoric Acid (100%)	-
Aluminum Chloride	X	Hydrogen peroxide	X
Aluminum Sulfate	X	Hydrogen Sulfide	X
Ammonia(Anhyd)	X	Lactic Acid	-
Ammonium Hydroxide	X	Linseed Oil	-
Ammonium Sulfate	X	Magnesium Chloride	-
Barium Sulfide	X	Maleic Acid	X
Black Sulfate Liquor	X	Methyl Alcohol	-
Boric Acid	X	Methyl Cellosolve	-
Butyl Alcohol	-	Mineral Oil	X
Cadmium Plating Solution	X	Naptha	-
Calcium Chloride	X	Nickel Chloride	X
Calcium Hypochlorite	X	Nickel Sulfate	X
Chlorine Water	X	Nitric Acid (40%)	X
Chromic Acid	X	Oleic Acid	X
Chromium Plating Solution	X	Oleum	-
Citric Acid	X	Oxalic Acid	X
Copper Chloride	X	Phosphoric Acid (85%)	-
Copper Sulfate	X	Pickling Solution	X
Cottonseed Oil	X	Potassium Chloride	X
Diacetone Alcohol	-	Potassium Cyanide	X
Disodium Phosphate	X	Potassium Dichromate	X
Ethyl Alcohol	-	Potassium Hydroxide (40%)	X
Ethylene Glycol	-	Potassium Sulfate	X
Ferric Chloride	X	Propyl Alcohol	-
Ferric Sulfate	X	Sodium Chloride	X
Fluoroboric Acid	X	Sodium Hydroxide (40%)	-
Formaldehyde (40%)	X	Sodium Hypochlorite	-
Formic Acid	X	Steam	-
Glucose	X	Sulfur Dioxide (Liquid)	-
Glycerine	-	Sulfuric Acid (50%)	X
Heptane	-	Sulfuric Acid (over 50%)	-
Hexane	-	Tannic Acid	X
Hydrobromic Acid (40%)	-	Vinegar	X
Hydrochloric Acid (conc)	-		

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