

VIBRATION MANAGEMENT CORPORATION

5930 THOMAS ROAD, HOUSTON, TEXAS 77041, USA

TEL: +1-713-983-VIMCO
+1-713-983-8462

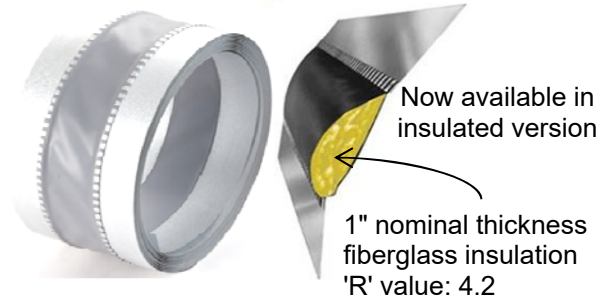
FAX: +1-713-983-9933

E-MAIL: sales@vimco.biz

WEB: www.vimco.biz

MODEL VFDC / VFDCI VIBRO-SORB™ FLEXIBLE DUCT CONNECTOR

All HVAC ducts are connected to either a fan or blower that can generate vibration and noise. Flexible duct connectors are used to isolate that vibration and noise and prevent its transmission into the metal duct. VIMCO's VIBRO-SORB™ range of flexible ducts is available in a wide variety of fabrics / connector widths and metal thicknesses to suit almost all applications, and are designed to meet the 2021 NFPA 90A/90B requirements.



2021 NFPA 90A/90B COMPLIANT

VIMCO's range of VIBRO-SORB™ flexible connectors are 2021 NFPA 90A/90B compliant.

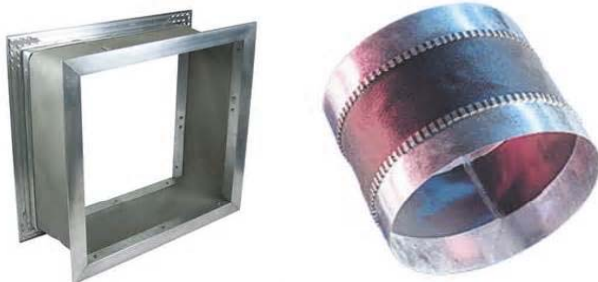
2021 NFPA 90A 4.3.2.2 summ.

Vibration isolation connectors in duct systems shall be made of materials having a maximum flame spread index of 25 and a maximum smoke developed index of 50.

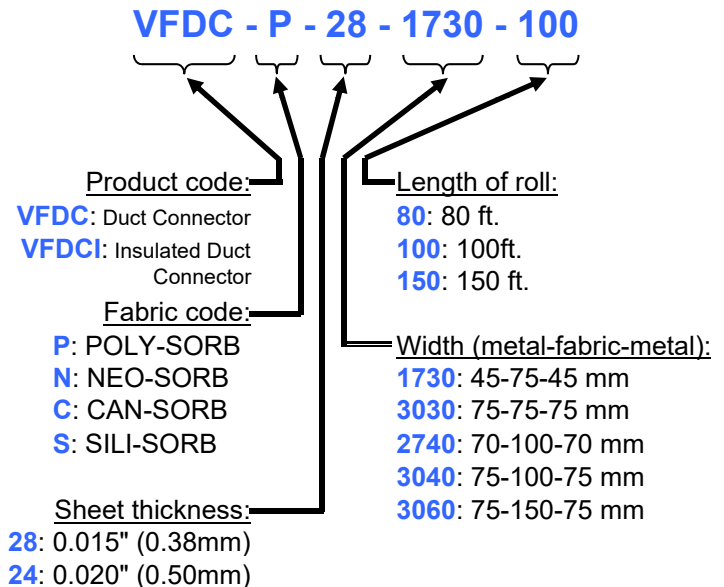
2021 NFPA 90B 4.1.1.1.3.1~2 summ.

Vibration isolation connectors shall be made of approved fabric meeting the flame propagation performance criteria contained in NFPA 701 and shall not exceed 10" inch length in the direction of airflow. The connector shall consist of sleeve joints with packing of approved material exhibiting a maximum flame spread index of 25 and a maximum smoke developed index of 450.

TYPICAL APPLICATIONS:



HOW TO ORDER:



HOW TO SPECIFY:

At the inlet and outlet of all motor-driven air handling equipment furnish and install vibration isolation connectors. Vibration isolation connectors shall be a coated woven fabric named _____. Fabric shall have a weight of not less than _____, tensile strength not less than _____, tear strength not less than _____, and a continuous temperature range of _____. Vibration isolation connectors shall be preassembled fabric attached to sheet metal on both sides. Vibration isolation connectors shall be model _____ as manufactured by Vibration Management Corporation (VIMCO).

Local Representative :

Due to our policy of continual product development and improvement, all information is subject to change without prior notice. Please consult your local rep. for updates.

Catalog no.

P - 2810
Rev. 3

FABRIC SELECTION CHART

	CAN-SORB™	NEO-SORB™	SILI-SORB™	POLY-SORB™
DESCRIPTION	Canvas fabric, which is fire retardant, waterproof, and mildew resistant. It will not burn or support combustion and will only char when exposed to a flame. Air leakage is virtually eliminated by its close weave and the finish will not wash out.	Heavy glass fabric, coated on both sides with neoprene. The glass fabric is non-combustible, and the coating is fire retardant and has no glow time or char length. NEO-SORB™ is waterproof, airtight, and gasoline and grease resistant.	Heavy glass fabric, coated on both sides with silicon. Silver in color, flame proof, it has excellent resistance to many chemicals and weathering. Designed for high temperature applications.	PVC / Nylon fabric with a heavy vinyl coating on both sides and extremely tough connector material. Dark gray in color, the coating is flame retardant. POLY-SORB™ is airtight, weather resistant and chemical resistant.
TECHNICAL DATA	WEIGHT 14.75 oz/sq.yd. (500 g/sq.mtr)	WEIGHT 23.6 oz/sq.yd. (800 g/sq.mtr)	WEIGHT 20.65 oz/sq.yd. (700 g/sq.mtr)	WEIGHT 18-18.5 oz/sq.yd. (600-630 g/sq.mtr)
	TENSILE STRENGTH 584x269 lbs (2600x1200 N)	TENSILE STRENGTH 562x415 lbs (2500x1850 N)	TENSILE STRENGTH 550x415 lbs (2450x1850 N)	TENSILE STRENGTH 674x469 lbs (3000x2090 N)
	FLAMMABILITY Self extinguishing per US Code of Federal regulations 14CFR23.853 (report ID HW-309006)	FLAMMABILITY Self extinguishing per US Code of Federal regulations 14CFR23.853 (report ID HW-309004) ASTME-84 (UL 723) 25/50 compliant FSI: 10, SDI: 5 (UL report ID SV32259, NTN08222404)	FLAMMABILITY Flame resistant and self extinguishing per US Code of Federal regulations 14CFR23.853 (report ID HW-309007) ASTME-84 (UL 723) 25/50 compliant FSI: 0, SDI: 30 (UL report ID SV32259, NTN08222403)	FLAMMABILITY Self extinguishing per US Code of Federal regulations 14CFR23.853 (report ID HW-309005)
	TEMPERATURE 248° F (120° C)	TEMPERATURE 302° F (150° C)	TEMPERATURE 500° F (260° C)	TEMPERATURE 248° F (120° C)
	TEAR STRENGTH 11.2x12.3 lbs (50x55 N)	TEAR STRENGTH 30.3x20.6 lbs (135x92 N)	TEAR STRENGTH 62.9x33.7 lbs (280x150 N)	TEAR STRENGTH 64.7x55.3 lbs (288x246 N)
	WEATHERPROOF QUALITIES Water resistant. Treated for fire, water, weather and mildew resistance.	WEATHERPROOF QUALITIES Water and humidity resistant. Resistant to acids, alkali, gasoline and grease.	WEATHERPROOF QUALITIES Water and humidity resistant. Resistant to acids and alkalis.	WEATHERPROOF QUALITIES Water and humidity resistant. Resistant to weathering, oil and many other chemicals.
SPECIFICATIONS	Designed to meet NFPA 90A & 90B specifications. Meets NFPA 701 requirements. Galvanized steel meets ASTM-A-653-94-G60 and ASTM-A-653-94-Z180.			
SUGGESTED USES	CAN-SORB™ can be used in most air conditioning, ventilating and heating systems. Recommended for low pressure systems and indoor connections. Often used generic term is "CANVAS DUCT CONNECTOR".	NEO-SORB™ can be used in practically every type of installation, and most engineers specify it regardless of the type of system. Because it is resistant to acids, alkalis, gasoline and grease, it can be used in kitchen exhaust and fume hoods. Being absolutely waterproof and airtight, it is ideal for high pressure systems and in outdoor connections. Having exceptional strength and yet highly flexible, it can be used for industrial applications. Often used generic term is "NEOPRENE DUCT CONNECTOR".	SILI-SORB™ can be used in practically every type of installation, especially in high temperature systems and where an airtight connector is required. SILI-SORB™ is the logical substitute for asbestos products or where high temperatures are of concern. Often used generic term is "SILICON DUCT CONNECTOR".	POLY-SORB™ can be used in practically every type of installation within its temperature range. Low in cost easy to fabricate and extremely high abrasion and cut resistant fabric. Often used generic terms are "POLY VINYL CHLORIDE (PVC) DUCT CONNECTOR" or "VINYL DUCT CONNECTOR".

VIMCO

5930 Thomas Road, Houston, Texas 77041, U.S.A.

Internet Address: www.vimco.biz