

# VIBRATION MANAGEMENT CORPORATION

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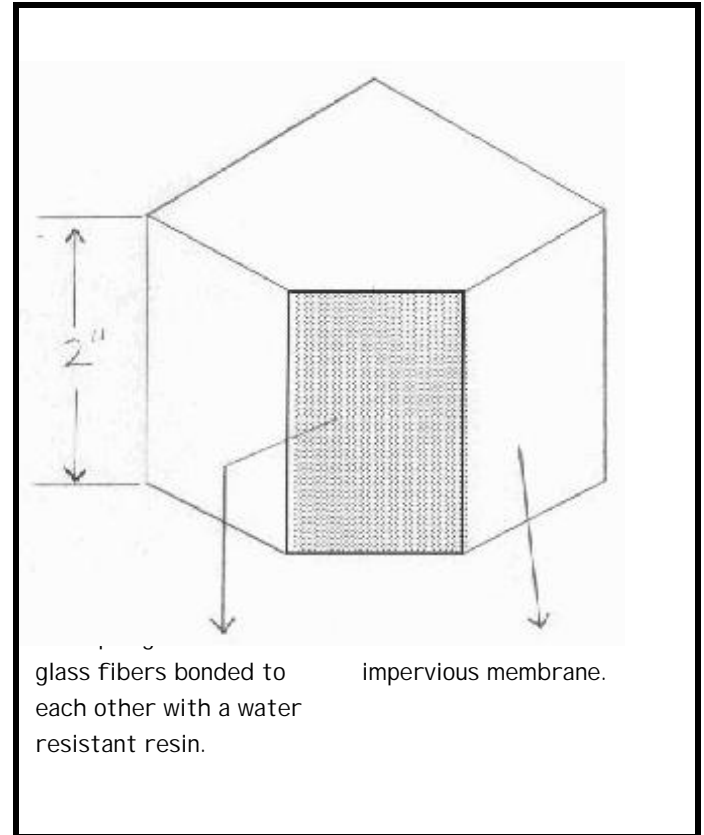
INTERNET ADDRESS: [www.vimco.biz](http://www.vimco.biz)

Model VFHP isolators are a high density matrix of pre-compressed molded glass fibers; individually coated with a flexible, moisture-impervious elastomeric membrane, and designed to allow controlled air movement in the fiber media. The pumping action of air between fibers provides viscous damping, reducing motion caused by transient shock and vibration.

The annealed glass fibers of the isolation media are produced by a multiple flame attenuation process which generates fibers having a modulus of elasticity of 10.5 million PSI and nominal fiber diameters of less than 0.00027 inches. The matrix of glass leaf springs is bonded at all fiber intersections with a water resistant binder during molding under controlled heat and pressure. The material is then stabilized by 10 pre-compression cycles to 3 times the maximum published load capacity for the media.

Model VFHP isolators uniquely allow a wide range of loading on a given isolator while maintaining a constant natural frequency. They are also unique as a structural support in that applied loads are substantially below pre-compression loads, thus providing 300% or more overload safety factor. The result is permanent resiliency with constant natural frequency.

Model VFHP pads are non-corrosive, non-combustible, non-absorbent, and resists rust, ozone, mildew, and fungus. It is vermin, insect and rodent proof, will not shrink, swell, or decompose. Isolation characteristics of the media are constant over a temperature range of -40 °F to 250 °F



## VFHP ISOLATOR DATA

Load range (lbs)	100 - 400
Static deflection (in.)	0.18 - 0.36
Natural Frequency (Hz)	~10.6

Notes / Remarks :	Project :	Title : <b>Model VFHP pad data</b>	Drawing no. <b>S-2600.21</b>
	Client :		
	Consultant :		
	Representative :		
			Rev. 0