



FUJIKURA COMPOSITES

"FVH" series

Active

FVH series becomes a high load type adopting our bellows type air spring.

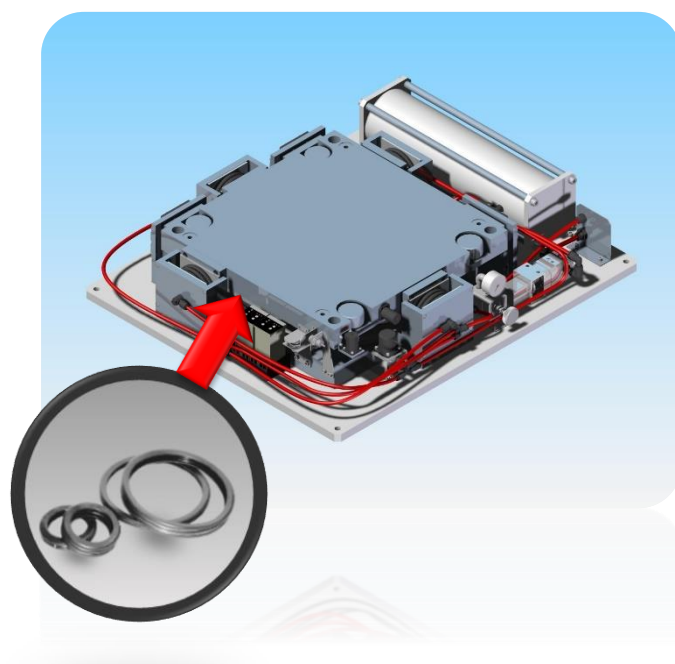
It realized high vibration isolation characteristics and thin profile.

■ Features

-The thin film bellows with good response and the large flow rate actuator make it possible to keep the stroke fluctuation to a small value even when the moving stage with a large load moves on the device.

-Because it adopts a thin bellows system, it has a thin vibration isolator structure. The FVH-2400F realized a height of 169 mm[6.65in.] (in neutral). Therefore, it is possible to keep the center of gravity of the equipment to be mounted low.

-Based on diaphragm manufacturing technology, bellows type air spring which has very thin but high durability has been developed and adopted for our anti-vibration table.



■ Basic specification

Model name	FVH-2400F/P
Leg composition	4
Mounted mass range	20,000~ 30,000 [44,092.45~ 66,138.68]
Stroke	Vertical direction 1~ 7 [0.04~ 0.28] Horizontal direction± 2 ± 0.08
Supply pressure (flow rate)	MPa[psi](L/min(ANR)) 0.6~ 1.0 [87.02~ 145.04] (Over 170)
Power consumption	VA 1,520
Natural frequency (passive calculated value)	Hz Vertical direction 3.7~ 5.5 Horizontal direction 3.2~ 5.0

■ Control specification

Vertical(Z)direction control method	Position / attenuation
Horizontal(X Y)direction control method	Position / attenuation
Control degree of freedom	6 degree (X,Y,Zθ Xφ Yφ Z)



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■ Model designation

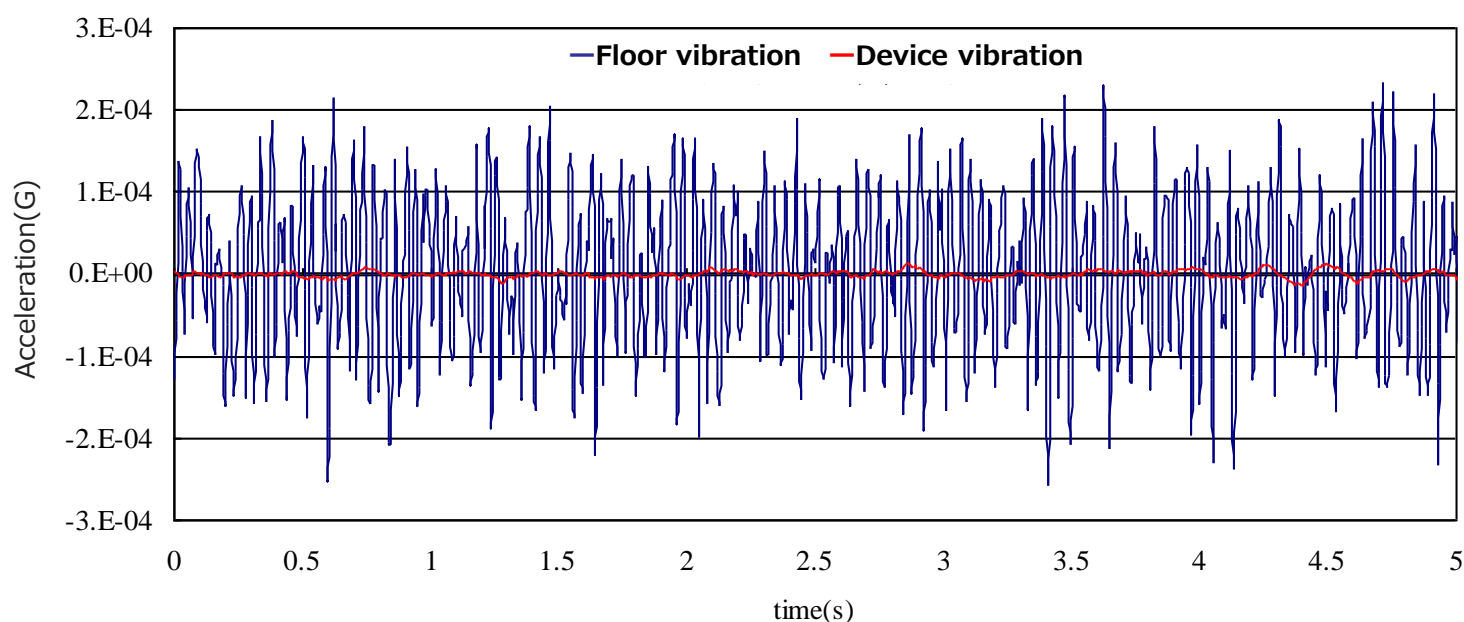


■ Applications

-Floor vibration reduction of precision equipment

Semiconductor manufacturing equipment, semiconductor inspection equipment, liquid crystal exposure equipment, precision measuring equipment, precision processing machine, other precision equipment etc.

■ Characteristic



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Contact us

Control Equipment

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