

Series 275 Lab Isolation Platform – New Product

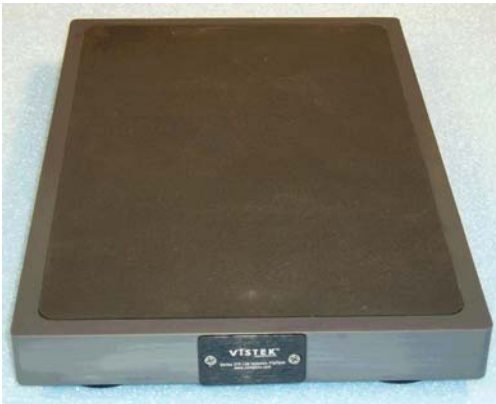
The Vistek Series 275 Lab Isolation Platform (Series 275 LIP) is comprised of a sturdy, gray PVC platform with a neoprene, non-stick surface supported by three or four Series 275 Vibration Isolation Bearings (VIB275). The VIB275 is a passive, mechanical bearing and employs Vistek's patented vibration isolation technology (US Pat. Nos. 6,517,060, 6,520,283, and foreign Pats. Pend.).

Lightweight and easy to set-up, the Vistek LIP isolates balances and other sensitive instruments and equipment from vibrations, and it reduces the transmission of vibrations from equipment into the work environment.

This simple product is ideal for balances, Petri dishes, and shakers.

- Balances are susceptible to environmental vibrations created by HVAC equipment, elevators, automobile traffic and foot-traffic, shakers, and other equipment in the area.
- Similarly, vibrations shake the contents of a Petri dish and disrupt important research.
- Finally, shakers create unwanted vibrations in a lab, and when isolated, the shaker still works, but vibrations are not transferred into the countertop.

Part No.: LIP275-1015-01



Isolation Performance

- Horizontal component of vibrations:
Natural frequency is 1.0 Hz
- Vertical component of vibrations:
Natural frequency is 12.0 to 14 Hz

Available in three different sizes.



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Lab Isolation Platform – Size Selection Chart

Series 275

Part Nos.	Plate Dims - inches (mm)		Isolation Payload Capacity - Lbs (Kg)	
	Width	Depth	Min	Max
LIP275-0810-01	8 (203)	10 (254)	0	43 (19)
LIP275-1015-01	10 (254)	15 (381)	0	52 (24)
LIP275-1222-01	12 (305)	22 (559)	0	45 (20)

Product Weight

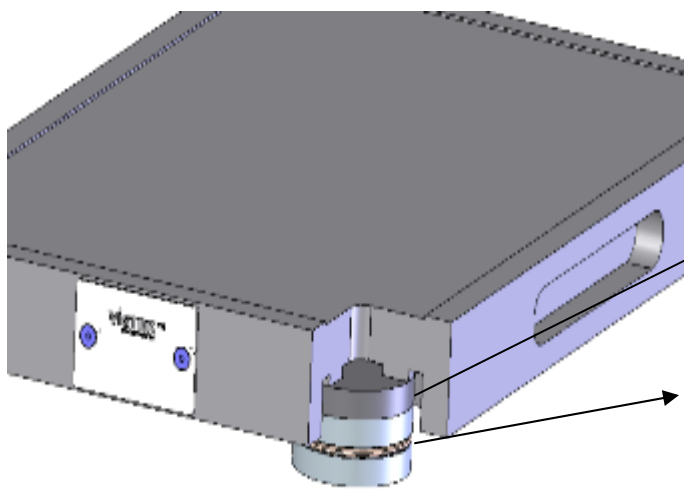
Part No.	Product weight
LIP275-0810-01	9 (4)
LIP275-1015-01	15 (7)
LIP275-1222-01	23 (10)

*These weights include the weight of the standard packaging. When calculating shipping weight for export outside of the continental USA, contact Vistek Inc. It may be advisable to crate the packages.

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How the Series 275 Lab Isolation Platform Works

The exceptional performance of the Series 275 Lab Isolation Platform is delivered by Vistek's patented vibration isolation technology. Supported by three or four vibration isolation bearings, each bearing attenuates the transmission of vibrations in both the vertical and horizontal directions.



Vertical Isolation. The bearing deflects slightly under load, and elastomer in compression damps the transmission of vibrations.

Horizontal Isolation. The bearing, when under load, displaces and restores horizontally and insures the platform will not resonate with any horizontal vibration frequency greater than 1 Hz.

Vibration solutions come in five categories:

- (1) *Granite/marble solutions* – Very heavy, and poor low frequency isolation; the Vistek platform is lightweight and effective against high and low frequencies
- (2) *Active Air isolation solutions*– Expensive and require compressed air and air hoses; Vistek platforms are affordable and do not require supporting hardware.
- (3) *Passive air solutions* – Inferior performance, especially in horizontal plane. Vistek delivers exceptional performance in both the vertical and horizontal plane.
- (4) *Elastomeric solutions* – Inferior performance, especially in horizontal plane; Vistek combines an elastomeric component with a mechanical device for superior six-degree-of-freedom isolation.
- (5) **Vistek - The Superior Choice.**