



# Onyx Series

## Desktop Vibration Isolation

High Performance with a Low Profile



### FEATURES

Prestine black finish and high stiffness allows this desktop isolator to be the best performing and best styled passive isolation system in the market.

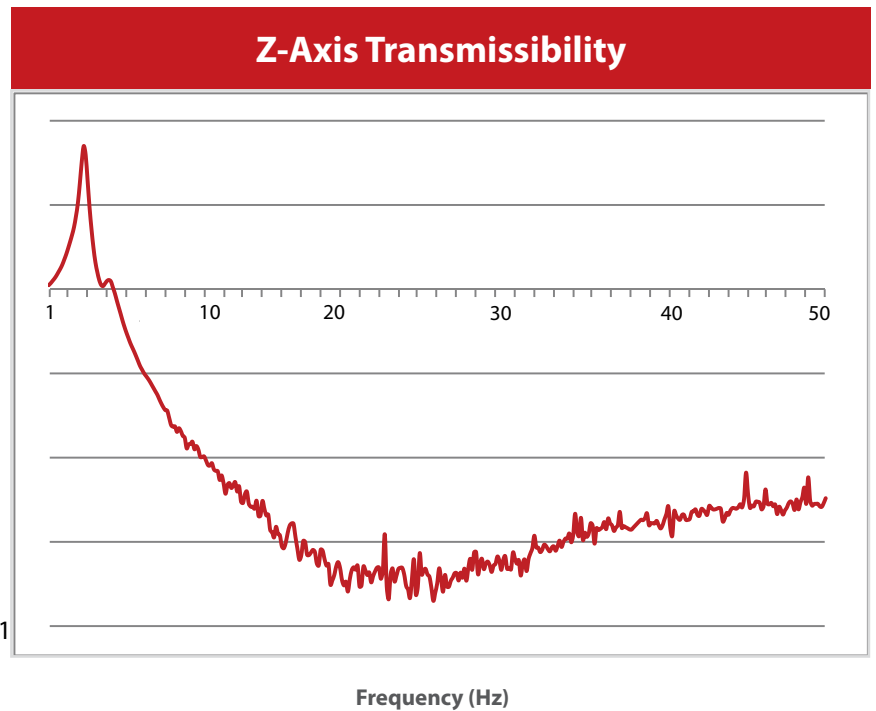
- Isolates vibrations using **Pneumatic Isolators**
- Uses **clean and dry air** to eliminate contaminants
- **No special hardware or tools** required for operation
- **Low Profile** - 2.3 inches
- High Stiffness and Rigidity

### APPLICATIONS include

- Optical Microscopes
- Precision Inspection Stations
- Highly Sensitive Laboratory Equipment
- High-accuracy Measuring Instruments
- Profilometry
- Interferometry
- Micromanipulation

### PERFORMANCE

- 90% reduction past 6.5 Hz
- 99% reduction past 20 Hz
- Low Natural Resonance
- Settling time of less than one second



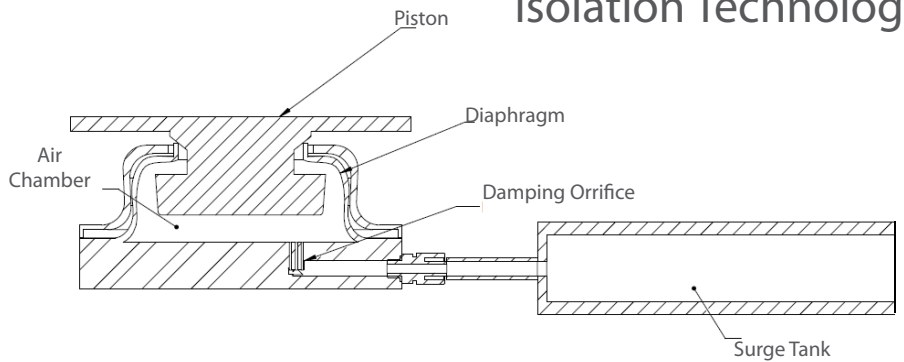
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## Desktop Vibration Isolation

### OPTIONS

- Three Standard Sizes
- Load Adjustment:
  - Manual - Operation by Hand Pump
  - Automatic - Operation by Air Supply
- Integration with The Silencer Acoustic Enclosure
- Enhanced load capacities available upon request

### Isolation Technology



Models			
MODEL	DIMENSIONS (INCHES)	SYSTEM WEIGHT	LOAD CAPACITY
Onyx - 6	16" x 17" x 2.3"	47 lbs	150 lbs
Onyx - 7	20" x 24" x 2.3"	77 lbs	150 lbs
Onyx - 8	32" x 24" x 2.3"	110 lbs	200 lbs

### Technical Specifications

Natural Frequency: 1.9 - 2.6 Hz  
 Transmissibility: 90% Reduction past 6.5 Hz  
 99% Reduction past 20 Hz  
 Air Supply Requirements: Onyx-M: Manual Hand Pump  
 Onyx-A: Continuous Compressed Air, 75 psi 5 kg/cm<sup>2</sup>

Horizontal: approx 30-40 µm/N

#### Accessories

Onyx-M: Hand Pump and Air Valves  
 Onyx-A: Auto Level Sensors, Air Filter and Regulator