

Workplace Accessories

Anti-Vibration Table



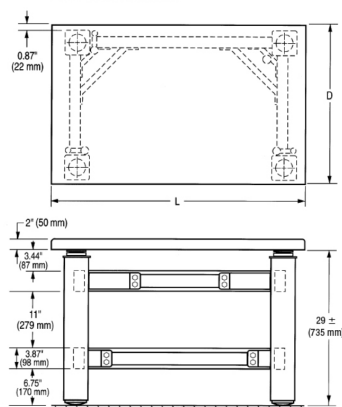
ANTI-VIBRATION TABLE



Helping Your Ultramicrotome Achieve Its Best!

- With advanced air-activated pistons for both vertical and horizontal vibration isolation.
- Highly recommended for all RMC ultramicrotomes and cryosectioning systems, as well as microtomes.
- 48" wide x 30" deep x 30" high, includes two 16" wide side shelves.
- Equipped with heavy duty retractable casters and shipped in an easy to install roll-off crate.
- Available with integrated mounting rail for the RMC ATUMtome tape collection system.

Dimensions



Specifications

Isolator natural frequency:

High Input: Vertical = 1.2 Hz
Horizontal = 1.0 Hz
Low Input: Vertical = 1.5 - 2.0 Hz
Horizontal = 1.2 - 1.7 Hz

Isolation efficiency @ 5 Hz:

Vertical = 70 - 85%

Horizontal = 75 - 90%

Isolation efficiency @ 10 Hz:

Vertical = 90 - 97%

Horizontal = 90 - 97%

Recommended payload:

350 lb (160 kg)

Finish: Medium texture black powder coat frame, stainless steel top

Facilities required:

80 psi (5.4 bar) nitrogen or air

Shipping weight:

Approximately 600 lb (272 kg)

Height control valves:

repeatability standard valve

+/- 0.050 in. (1.3 mm)

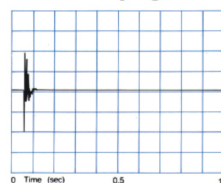
Precision valve: +/- 0.005 in. (.13 mm)

SHIPPING DIMENSIONS

Dimensions: 1300mm x 1020mm x 940mm / 51" x 40" x 37"

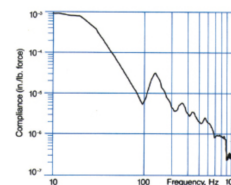
Weight: 294kg / 649 lbs

Damping



CleanBench™ Steel Top — 30 x 48 x 2 in. (750 x 1200 x 50 mm)

Compliance

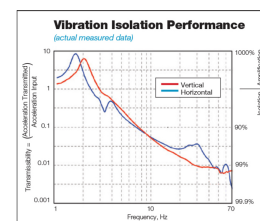


Structural Damping determines how quickly an excited resonance in a table top decays. The simplest way to measure damping is to hit the table top with a hammer and measure the decay with an accelerometer and oscilloscope or spectrum analyzer. The height of a resonance peak in the 'compliance curve' also measures damping.

Compliance is a reciprocal measurement of the dynamic stiffness of a table top. The data are obtained by inputting a measured force to the table top with a calibrated hammer and measuring the resultant acceleration (or displacement) with an accelerometer. Compliance is the ratio of displacement to force expressed as a function of frequency.

Isolator Performance

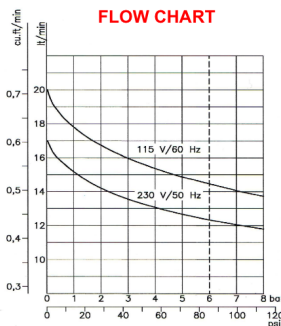
All CleanBench tables incorporate TMC's Gimbal Piston Air Isolators as a standard feature. The Gimbal Piston has consistently shown to out-perform other air isolators in side-by-side testing. It offers outstanding low frequency vibration isolation in all axes and maintains its performance specifications even when subjected to extremely low input levels of excitation. Proprietary damping techniques allow the Gimbal Piston to stabilize relatively top-heavy payloads and quickly dissipate disturbances of the isolated table top.



AIR COMPRESSOR - 115V or 220V

- Completely silent & vibration free operation
- Internally powder coated air tank
- Pressure switch allowing for automatic start/stop
- Outlet pressure regulator & shut off valve
- 5 Micron outlet moisture filter/optional auto-drain
- Tank pressure and outlet pressure gauges
- ASME approved safety valve
- Conveniently located top tank drain
- Durable air tank w/ top drain and internal/external coating
- Long Service Life

HP	0.18
Output Free Air	0.70 CFM
Output Free Air	20 L. Min
Max Pressure PSI	120 PSI
Max Pressure Bar	8 bar
Max Current 115V	1.9 Amps
Max Current 220V	1.05 Amps
Noise Level	30 db/A
Tank Size Gal.	0.93
Tank Size Lt.	3.5
Dimensions (ins.)	11 x 13 x 14
Weight	35 lbs
Packed Dimensions	17 x 15 x 15
Packed Weight	43 lbs



LAB CHAIR

FEATURES

- Heavy-duty construction
- A polyurethane seat and back that are impervious to water, oil, and most chemicals
- Nonslip, puncture resistant surface
- A fully adjustable contoured back
- Supports up to 136.5kg (300lbs)
- 2-Way—Seat Height, Back Height/Depth,
- An easy-to-use pneumatic height adjustment that allows for stress-free seat height changes
- Adjustable 18" chrome footrest

CHAIR DIMENSIONS

- Seat: 18 ½" W x 17" D x 1 ½" Thick
- Back: 16 ½" W x 12 ½" H x 1" Thick
- Seat Height: 19"-27"

SHIPPING DIMENSIONS

- 685mm x 685mm x 405mm / 27" x 27" x 16"
- 18kg / 40lbs



STATIC LINE IONIZER



- The Static Line II ionizer is an antistatic device which emits negative and positive ions, neutralising the electrostatic charging.
- It consists of a high voltage power pack, an ionizer electrode which is connected to the power pack by a cable, and a testing device, the MULTI CHECK.
- A dial on the power pack allows for adjustment of the voltage. The correct ion emission can be achieved by turning the variable voltage dial.
- The sections no longer stick to the knife edge, or bunch up one on top of the other, but float in a nice ribbon over the knife surface. The pickup of the sections can be done easily.
- Recommend for for trimming, sectioning and section collection.

Applications

- Sucrose protected specimens
- Cell cultures in elatine/ sucrose
- Frozen hydrated specimens
- Dry cut Lowicryls at room temperature
- Polymers and rubber

Technical data

- Voltage: 230 V, 115 V
- Nominal frequency: 50-60Hz
- Nominal output voltage: approx. 7-8 kV variable
- Power consumption: approx. 50 VA
- Short circuit output current: max. 3 mA
- Dimensions: Length 173 mm
- Width 113 mm
- Height 110 mm
- Weight: approx. 3.5 kg