

740 PNEUMATIC VIBRATION ISOLATION SYSTEM



- **Vertical resonance frequency: 1.5 Hz (average load)**
- **Horizontal resonance frequency: 1.7 Hz (average load)**
- **Air source pressure: up to 600 KPa (6 bar) (87 PSI)**

Pneumatic Vibration Isolation System 740 is an ideal foundation for equipment which is sensitive to vibration, e.g. microscopes, scales, interferometers, and similar devices.

Work surface of the table is separated from the floor by means of a highly effective system of pneumatic supports.

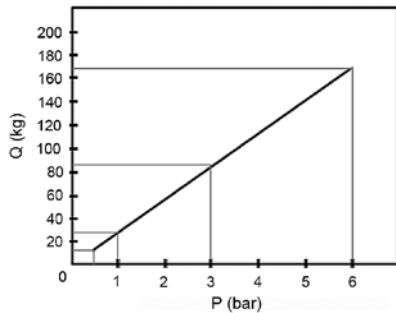
The system features solid and light supports that come in various dimensions to support a wide range of table top sizes. This enables quick creation of vibration isolation systems for a variety of tasks.

Maximum load capacity of each support leg is 120 kg.

Working pressure of the system is 0.5–6 atm (bar). Required minimum system pressure required to support a certain load in kg is shown in the load/pressure diagram.

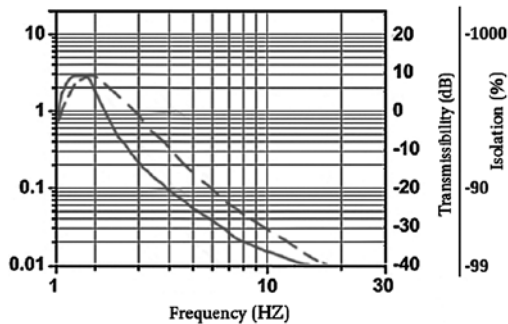
SPECIFICATIONS

Height of the vibration isolation system	600, 700 mm
Vertical movement range	14 mm
Precision of automatic level control	±0.3 mm
Vertical resonance frequency	1.5 Hz (average load)
Vertical isolation at 5 Hz	85–93%
Vertical isolation at 10 Hz	90–98%
Horizontal resonance frequency	1.7 Hz (average load)
Horizontal isolation at 5 Hz	85–93%
Horizontal isolation at 10 Hz	90–97%
Pressure from source of air	600 KPa (6 bar) (87 PSI)
Air supply socket diameter	Ø 6 mm
Operating humidity (max)	90%
Operating temperature range	10–50 °C
Load-bearing capacity (at 6 bar)	168 kg per isolator



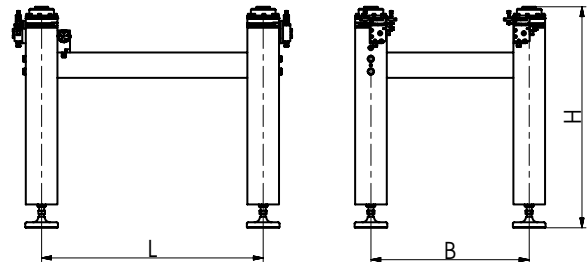
P - required minimal pressure in atm (bar).
Q - load per support leg (kg).

Load/Pressure diagram

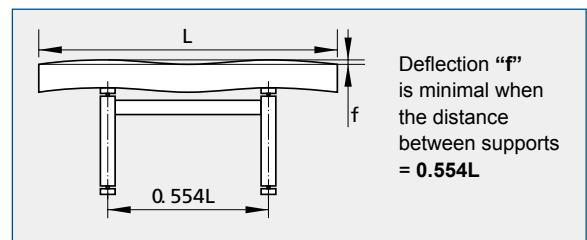


Vibration / Isolation performance

Car Pump and Air Compress are available upon request.



Code	B, mm	L, mm	H, mm
740-5706	500	700	600
740-5707	500	700	700
740-5126	500	1200	600
740-5127	500	1200	700
740-6126	650	1200	600
740-6127	650	1200	700
740-6186	650	1800	600
740-6187	650	1800	700
740-8126	800	1200	600
740-8127	800	1200	700



OPTICAL TABLES
BRACKETS & RAILS
BASE MOUNTS & ACCESSORIES
OPTICAL MOUNTS
OPTICAL POSITIONERS
BASE POSITIONERS
TRANSLATION & ROTATION STAGES
ADJUSTMENT SCREWS
MOTORIZED POSITIONERS