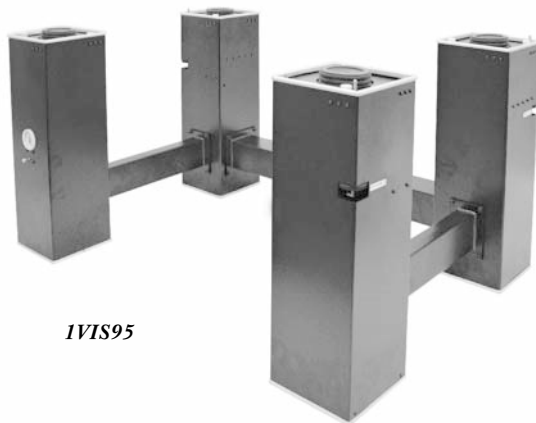


PNEUMATIC VIBRATION ISOLATION SYSTEMS 1VIS95, 1VIS96, 1VIS495



1VIS95



1VIS495

Pneumatic Vibration Isolation Systems ensure low resonant frequency almost independent of load. They have automatic leveling valves and an autonomous air supply reservoir. Body of a support leg conceals the equipment (leveling valves, hoses). The design looks clean.

The pressure in isolators varies with the load. An air reservoir provides replenishment. When required, it may be refilled with a car pump. Keep the pressure between 1 - 2 kg/cm².

1VIS95, and 1VIS96 have all legs connected (air reservoir concealed in the connecting beam). Three support legs have an automatic leveling valve each. Leveling of the fourth leg is connected to that of another leg.

Legs of 1VIS495 operate autonomously – not interconnected. One model fits all sizes. You may order 1VIS495 not necessarily in sets of 4.

Adjustment knobs (1VIS95/96 – on 3 legs; 1VIS495 – on each leg) adjust the level of the working surface within 12 mm. Each leg maintains its level with accuracy of ± 1 mm.

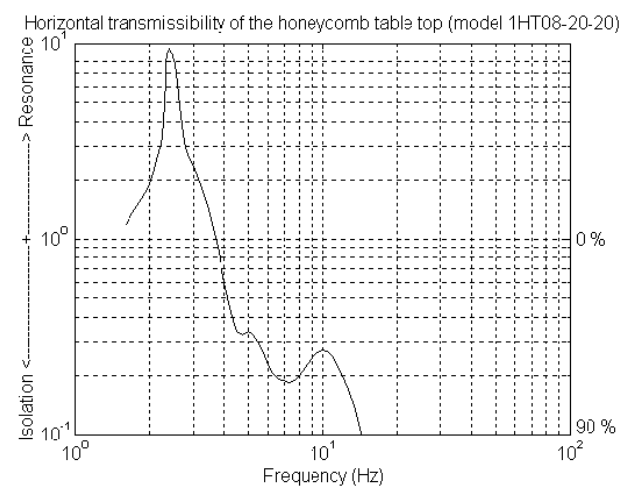
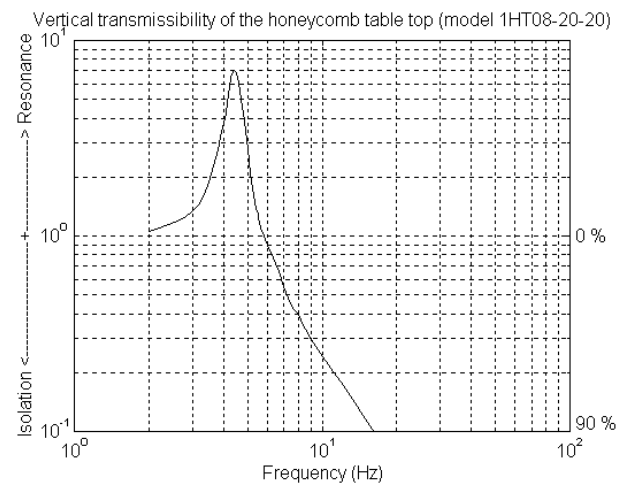
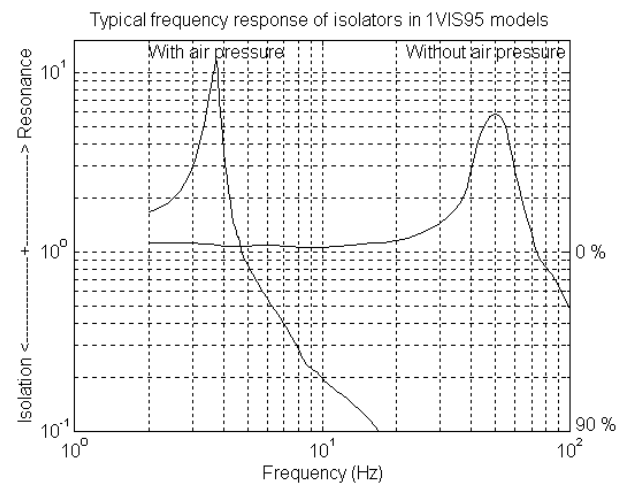
You choose the height of support legs depending on the height of the table top. Recommended elevation of the top surface is about 900 mm.



1VIS can have wheels available to order

SPECIFICATIONS

Vertical resonant frequency	4.2 Hz
Horizontal resonant frequency	2.2 Hz
Recommended load range	100 – 500 kg
Automatic levelling accuracy	± 1 mm
Vertical adjustment range	12 mm
Typical air pressure range	0.5-1.9 kg/cm ²
1VIS96: recommended load range	400 – 1000 kg
1VIS495: recommended load range	800 – 2000 kg
<i>(all loads are total per 4 isolators)</i>	



MODIFICATIONS AND ORDERING

We offer the optimal Vibration Isolation Systems for the optical table of your choice.

Here are the formulas how to calculate the required dimensions of IVIS95.

$$B=0.56 \times b; L=0.56 \times l; H=900 - h$$

The standard dimensions of IVIS95 are presented below. Select the closest greater values matching your calculations.

B: 500 mm (code 05), 650 mm (code 065), 800 mm (code 08);

L: 800 mm (code 08), 1300 mm (code 13), 1900 mm (code 19);

H: 550 mm (code 55), 600 mm (code 60), 650 mm (code 65), 700 mm (code 70), 750 mm (code 75).

EXAMPLES OF RESULTING CODES FOR ORDERING:

1VIS95-05-08-55

B=500 mm

L=800 mm

H=550 mm

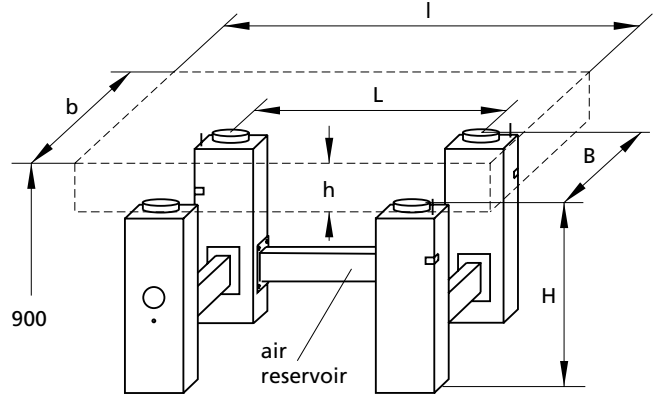
1VIS95-065-19-70

B=650 mm

L=1900 mm

H=700 mm

Ordering for IVIS96 follows the same rules. IVIS495 fits any size, as its legs are separate.



We can produce IVIS95 for individual table tops. Please specify custom dimensions explicitly without using the dimension codes.

A Car pump is available upon request.

PNEUMATIC VIBRATION ISOLATION WORKSTATION 1VIS95W



an Armrest is mounted on the support legs and its height may be adjusted in a 25mm range

an adjustment knob is used to set the working surface into horizontal position and to regulate its elevation within a range of 12mm with accuracy of ±1 mm

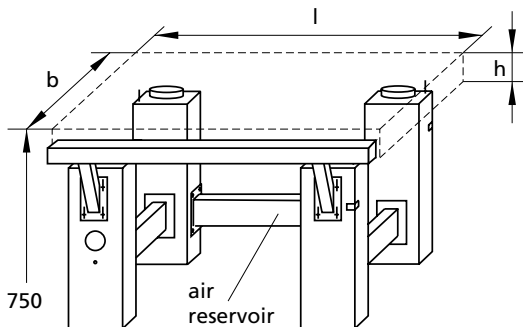


Pneumatic Vibration Isolation Workstation 1VIS95W consists of IVIS95, a Honeycomb Table Top, and a guarding Armrest.

Workstation has an automatic leveling valve and an autonomous air supply Reservoir. A Car pump is available upon request.

As you lean on the Armrest, it guards the honeycomb table from impacts from your body. This allows you to work with the table like with a conventional table, using microscope and other equipment. The height of the Armrest over the surface of the table is adjustable within a range of 25 mm.

The suggested elevation of table's surface is 750 mm. The working surface may be adjusted to level within a range of 12 mm with precision of ±1mm. This is done by adjustment knobs located on 3 support legs.



We produce two models of IVIS95W.

Model	Dimensions of the working surface, (b×l×h) mm
1VIS95W-06-09	600×900×70
1VIS95W-09-14	900×1400×120

The elevation of a working surface for both models is 750 mm. For greater loads – workstations IVIS96W are available to custom orders.

On request we produce workstations with Honeycomb Table Tops of any dimensions.