

AVI-200-S



Description

The basic configuration of the AVI 200-S includes two single elements and one control unit and can isolate actively up to max. load of 400 kg. Higher loads can be easily accommodated by increasing the number of isolation elements. To adapt the AVI 200-S to user specific applications, single elements in different lengths are available to special order.

The isolation of AVI 200-S begins at 1,2 Hz, increasing rapidly to 35 dB beyond 10 Hz

The lack of any low frequency resonance means much better performance than with common passive air-damped systems

The inherent stiffness of the AVI 200-S systems imparts excellent directional + positional stability

The outstanding performance of the AVI 200-S includes all six translational and rotational vibration modes

The AVI 200-S single elements do not require any large tools for installation. We strive to offer an easy, user friendly handling concept - to avoid complicated procedures during the installation process.

Technical Specifications:

Frequency: 1.2 - 200 Hz

Load range: 0 - 400 kg (0 - 200 kg single element)

Dimensions:

Top plate: 360x120 mm
Bottom plate: 396x84 mm
Height: 112.5 mm

Isolation:

dynamic 1,2 Hz to 200 Hz passive beyond 200 Hz

Transmissibility:

Transmissibility above 10 Hz is always less than 0,017 (-35dB)
see plot in "Image Gallery" below for details

Correction Forces:

Horizontal max. 4 N , vertical max. 8 N

Static Compliance:

approx. 3,5 $\mu\text{m/N}$ vertical and 7 $\mu\text{m/N}$ horizontal

Maximum Load:

400 kg (single unit: 200 kg)

Weight:

8 kg (single unit)

Electrical

Safety class:

1

Power Consumption:

typically 9 W

Input Voltage:	90-125VAC / 200-250VAC +/- 10% , 50 - 60 Hz
Overload:	8 LEDs indicate overload in input stages
Monitor signal:	A multiplexed signal for display on oscilloscope shows vibration levels with and without isolation - for diagnostic purpose only

Download attachments:

- [Manual AVI-200S LP \(PDF file\)](#)
- [3D model of AVI-200S-LP unit \(STEP format\)](#)
- [Drawing AVI-200S-LP \(PDF file\)](#)