Vibro-MSV

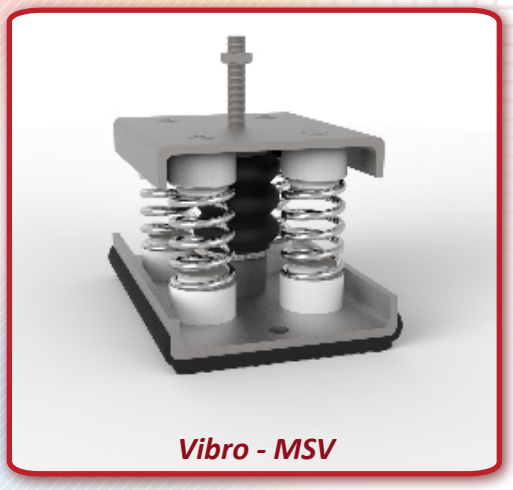
ANTIVIBRATION SPRING MOUNT with VISCOUS DAMPING

APPLICATIONS

Vibro-MSV is used for vibration control of machinery mounting with low excitation frequency, with amplitude variation, due to varying speeds of rotating machines.

DESCRIPTION

The viscodamping vibration control system ***Vibro-MSV*** is a combination of spring and visco-damper mechanism.
Reciprocating machinery creates large vibration forces, which frequently require passive isolation from the surrounding building structure. Many applications operate, quite satisfactorily, with only an undamped steel spring support, but where system resonances may be excited to unacceptable amplitude, due to the varying speed of the machine or transient conditions or shock loads, damping elements must be incorporated.
This mount is specially designed to absorb low frequency vibrations and restrict the excited motion and shock of perturbing vibrations at resonance point. It offers smoother machine operation and minimises structural borne noise.
Additionally the rubber base* acts as a sound break and increases the isolation efficiency in high frequencies, that could be transmitted through the metal structure of the springs. The springs are fixed with an innovative fastening system to their metal base.
The silicon fluid, filled with appropriate viscosity in different centistokes rate, can provide damping forces in all directions of freedom.
Vibro-MSV.H is recommended for heavy loads.
**(upon request)*



Vibro - MSV

Vibro - MSV.H

SELECTION TABLE

TYPE	DIMENSIONS (L-W-H) (mm)	Number of Springs	Maximum Load (Kp)*
Vibro MSV -100	200-140-130	4	100
Vibro MSV -200	200-140-130	4	200
Vibro MSV -400	200-140-130	4	400
Vibro MSV.H -750	210-185-140	3	750
Vibro MSV.H -1000	210-185-140	3	1000
Vibro MSV.H -1500	210-185-140	3	1500
Vibro MSV.H- 1800	210-185-140	3	1800

**(1Kp=10N)*

DYNAMIC CHARACTERISTICS

Deflection *(at maximum load)* : 25 mm
Natural Frequency *(at maximum load)* : 3 Hz

Designing and production according to International Starnard ***ISO 9001.2008.***

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