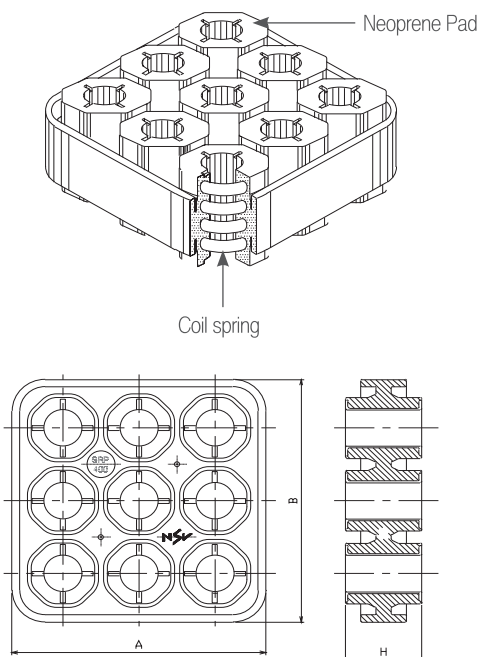


SRP Spring Rubber Pad (Deflection : 5.5~7mm)



■ Features

It is a highly-efficient product that provides 3~4 times higher vibration isolation efficiency than the conventional rubber pad by using the metal spring's low natural frequency and all of the advantages of anti-vibration rubber, such as multi-axis pavement, high frequency and noise isolation effects. By lowering its center of gravity as low as possible, the load can be evenly distributed on the pad.

■ Usage

- ◆ For facilities and equipment (PUMP, FAN, AHU)
- ◆ For industrial machines (Press, Shearing Machine)
- ◆ For horizontal pipes
- ◆ For vertical pipes Anchor and Guide
- ◆ For all kinds of equipment installed on a solid base

■ Specification

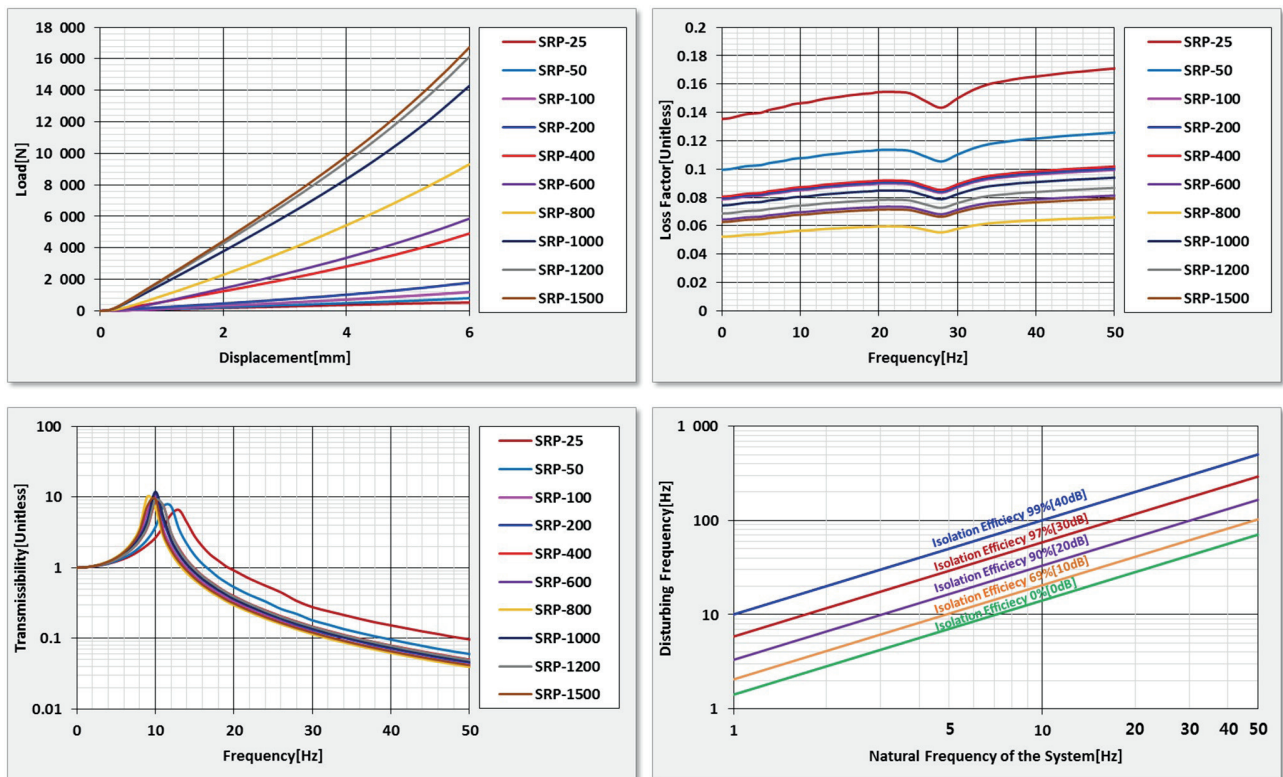
No.	Name of Components	Material	Standard
1	Rubber Pad	CR	KS M 6617
2	Coil Spring	SUP9	KS B 2402

■ Dimension & Selection Guide

Type	Capacity (kgf)	Hardness (Hs)	Deflection (mm)	Weight (kg)	Dimension(mm)		
					A	B	H
SRP-25	25	40 ± 5	5.5	0.02	57	71	19
SRP-50	50			0.04			
SRP-100	100			0.10	60	74	30
SRP-200	200			0.12			
SRP-400	400			0.32	100	100	30
SRP-600	600			0.33			
SRP-800	800			0.38			
SRP-1000	1000			0.84			
SRP-1200	1200			0.88	154	118	30
SRP-1500	1500			0.88			
SRP-2000	2000			0.86			
SRP-2500	2500		7.0	0.92	190	118	30
SRP-3000	3000			0.96			

(NOTE) The mentioned size and scale can be altered to improve the quality performance and capacity of the product without any notice.

SRP Test Data



Explanation(Commonness)

1. Vibration Transmissibility(T_r)

Vibration Transmissibility is the amplitude ratio of Output to Input.

$$T_r = \frac{\text{Output Amplitude}}{\text{Input Amplitude}} = \sqrt{\left(\frac{1}{1-\eta^2}\right)^2} \cdot \eta = \frac{\text{Disturbing Frequency of the equipment}}{\text{Natural Frequency of the Isolator (Damping } \eta = 0)}$$

2. Natural Frequency(F_n) of Vibration Isolation System

The mass and spring stiffness dictate a natural frequency of the system.

$$F_n = \frac{1}{2\pi} \sqrt{\frac{k}{m}}$$

3. Isolation Efficiency(E)

Isolation Efficiency in percent transmission is related to Vibration Transmissibility $E = 100(1 - T_r)$

ex) Disturbing Frequency of the equipment=100 Hz,

Natural Frequency of the isolator=10Hz

$$T_r = \sqrt{\left(\frac{1}{1-\eta^2}\right)^2} = \sqrt{\left(\frac{1}{1-\left(\frac{100}{10}\right)^2}\right)^2} = 0.101 \quad E = 100(1 - T_r) = 100(1-0.101)=99(\%)$$

Installation Features

OUTDOOR UNIT
OF AIR CONDITIONAL ▶

