Multiple Vibration Control Unit

TSU Series

Vibration proof unit for the wide range of facility equipment



Benefit

- 2G earthquake-resistance strength
- Great vibration proof
- Original antiseismic structure

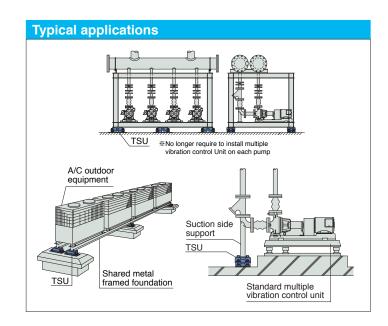
Upgraded by original antiseismic structure.

Feature

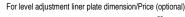
- Safe and high durability multiple vibration control unit by the unique vibration proof structure (PAT.P).
- Great lineup. Multiple vibration proof unit with built-in high performance coiled spring.
 Low cost smaller design can be made by using shared parts with our other vibration proof products.
- It can be used in any place and with any device: inside/outside/concrete foundation/ steel frame stand.
- Available in stock. The products can be delivered by next day or day after next.

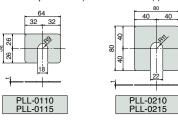
Applications

Used for cooling tower, power generator, A/C, plant equipment, large converter and pump unit.



Liner plate

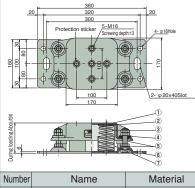




Type	t	Unit
PLL-0110	1.0	10Sheet / 1Packed
PLL-0115	1.5	10Sheet / 1Packed
PLL-0210	1.0	10Sheet / 1Packed
PLL-0215	1.5	10Sheet / 1Packed

Material : SUS304

Structure and dimension



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Number	Name	Material	
1	upper frame	FCD450	
2	Rubber sheet	Synthetic rubber	
3	Spring	Hard steel wire	
4	Rubber bush	Synthetic rubber	
(5)	Earthquake resistant Stopper	SS400	
6	Baseplate	SS400	
7	Spring Case	Synthetic resins (PP)	

The metal component except coil spring potion is covered by electrolytic zinc-coated.
 A protective seal (aluminum foil) is pasted on each screw portion of the upper frame that is for fixing with the machinery.

Type	Spring constant N/mm (kgf/mm)	Load range of usage kN (kgf)	Natural frequency Hz	Mass kg
TSU - 200L	113 (11.5)	1.18~1.96 (120~200)	4.9~3.8	7.9
TSU-350L	195 (19.9)	1.96~3.43 (200~350)	5.0~3.8	8.0
TSU-600L	336 (34.3)	3.43~5.88 (350~600)	4.9~3.8	8.2
TSU-1000L	561 (57.2)	5.88~9.81 (600~1000)	4.9~3.8	8.7
TSU - 1500L	839 (85.6)	9.81~14.7 (1000~1500)	4.6~3.8	8.7
TSU - 2000L	1118 (114)	14.7~19.6 (1500~2000)	4.3~3.7	8.8

**Heave load and salt damage resistant products can be manufactured. Please ask for more detail to our sales representative.

Handling instructions

- •When using for vibration-free pedestal of pump, flexible joint has to be protected from eccentricity or extra stretch as it is attached to the machine based on the deflection of the spring.
- Equalized the load is necessary for the product and need to be calculated the center of gravity
- Vibration control must be used within the allowable loading weight.
- ■The product must be protected from spark when welding around the vibration control device.



This brochure may be revised without prior notice. We apologize in advance for any inconvenience this may cause.

TOZEN Corporation