

VIBRATION ABSORBERS



Vibration absorbers are designed for installation in the suction and discharge lines of air conditioning and refrigeration systems to dampen the transmission of compressor-induced vibration through system piping.

DIVERSITECH DECLARE THAT THE ABOVE VIBRATION ABSORBERS COMPLY WITH THE APPROPRIATE ESSENTIAL SAFETY REQUIREMENT DESCRIBED IN ANNEX 1 OF THE 97/23/EC PRESSURE EQUIPMENT DIRECTIVE.

FEATURES

- Materials (stainless steel): Inner ring - 316L; Outer ring - 304L; All parts in contact with refrigerant - 316L
- Internally and externally tested to GB/T 14525-2010
- Temperature range: -40°C - 180°C
- Maximum working pressure:

Part code	Description	Tube OD (inches)	Tube OD (mm)	Max. working pressure	Burst pressure
VIBA-1/4	Vibration Absorber 1/4" (6mm)	1/4"	6mm	650 psi	3250 psig
VIBA-3/8	Vibration Absorber 3/8" (10mm)	3/8"	10mm	650 psi	3250 psig
VIBA-1/2	Vibration Absorber 1/2" (12mm)	1/2"	12mm	650 psi	3250 psig
VIBA-5/8	Vibration Absorber 5/8" (16mm)	5/8"	16mm	650 psi	3250 psig
VIBA-3/4	Vibration Absorber 3/4" (18mm)	3/4"	18mm	650 psi	3250 psig
VIBA-7/8	Vibration Absorber 7/8" (22mm)	7/8"	22mm	650 psi	3250 psig
VIBA-1-1/8	Vibration Absorber 1-1/8" (28mm)	1-1/8"	28mm	650 psi	3250 psig
VIBA-1-3/8	Vibration Absorber 1-3/8" (35mm)	1-3/8"	35mm	550 psi	2750 psig
VIBA-1-5/8	Vibration Absorber 1-5/8" (42mm)	1-5/8"	42mm	510 psi	2550 psig
VIBA-2-1/8	Vibration Absorber 2-1/8" (54mm)	2-1/8"	54mm	400 psi	2000 psig
VIBA-2-5/8	Vibration Absorber 2-5/8" (64mm)	2-5/8"	64mm	350 psi	1750 psig
VIBA-3-1/8	Vibration Absorber 3-1/8" (76mm)	3-1/8"	76mm	320 psi	1600 psig
VIBA-3-5/8	Vibration Absorber 3-5/8" (89mm)	3-5/8"	89mm	190 psi	570 psig
VIBA-4-1/8	Vibration Absorber 4-1/8" (108mm)	4-1/8"	108mm	190 psi	570 psig

ANTI-VIBRATION VIBRATION ABSORBER

Copper & stainless steel vibration absorbers

The DiversiTech sales team are available to answer your questions or queries on this product. Our experts are waiting for your call +44 (0)115 900 5858 or if you prefer send an email to sales@diversitech.com or visit www.diversitech.global



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FUNCTIONS

The function of a vibration absorber is to eliminate vibrations and noises generated by the compressor in a RAC (refrigeration and air conditioning) system.

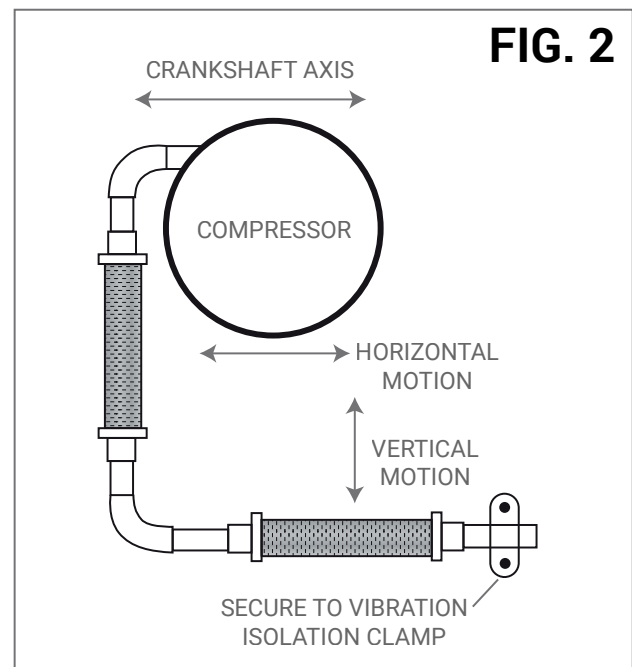
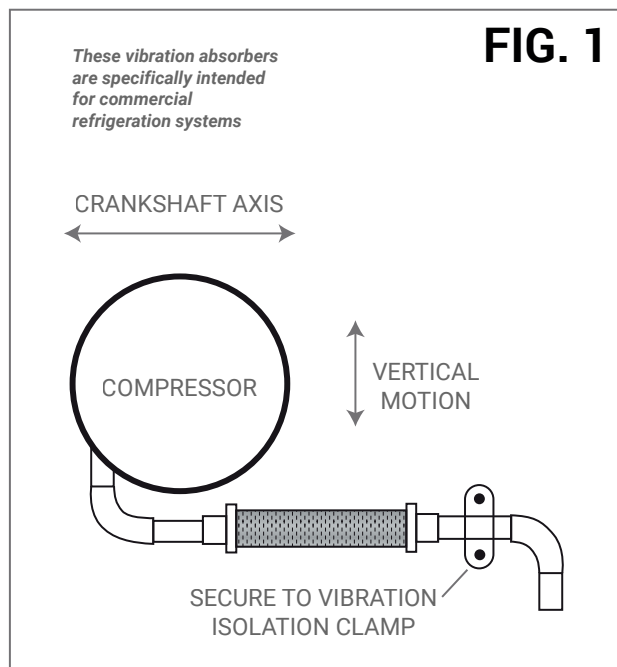
APPLICATIONS

VIBA are used in both the suction and discharge lines of air-conditioning and refrigeration systems.



INSTRUCTIONS OF USE

- The vibration absorbers are specifically intended for commercial refrigeration systems. They should be installed in a straight line, as they are not designed to compensate for potential piping misalignment.
- A vibration absorber is recommended to be installed as close as possible to the compressor and can be placed in either the suction or discharge lines of a refrigeration system.
- The vibration absorber should be installed aligned with the axis of the compressor's crankshaft and perpendicular to the direction of vibration, as illustrated in **Fig 1**. If vibration occurs in two planes, two vibration absorbers should be used, as illustrated in **Fig 2**.
- For optimal vibration absorption, the refrigerant line should be secured at the end of the vibration eliminator using a vibration isolation clamp, as shown in **Fig 1 and 2**.
- Vibration absorbers are not designed to absorb axial or torsional stress. It is important to ensure adequate space for the vibration isolator to prevent static compression or tension after brazing it in place.



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