AirLoc
A Division of Clark-Cutler McDermott Company

Since 1954
Engineered Leveling and
Vibration Control Systems

Tel: (508) 528-0022 x116
(800) 922-3019
Fax: (508) 528-1236
Email: info@airloc.com

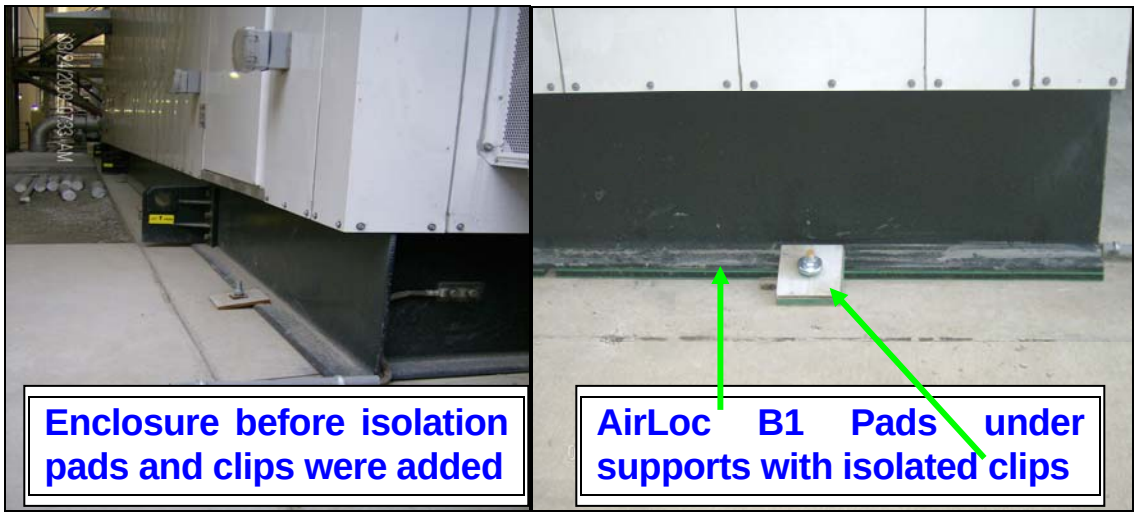
P.O. Box 269
5 Fisher St.
Franklin, MA 02038

AirLoc Application News…

AirLoc Biloc® Isolation Pads Reduce Damaging Vibration in Sensitive Power Plant Electrical Equipment

AirLoc was asked to provide a vibration isolation system for VFD (variable frequency drives) and electrical cabinets in two 50 foot long enclosures at an existing power plant in Kentucky. The facilities large induction fans were causing low frequency vibration which was affecting the sensitive housed equipment. The enclosures were supported on structural steel supports with flanges tied to the ground using anchor bolts and steel clips, allowing the fan vibration a path to enter the housed units.

AirLoc provided 4" x 20" x ¾" B1 BiLoc pad strips with 903 (see inserts) shim pad bonded top and bottom placed end to end under the entire perimeter of the steel supports. 915 pads with iso-washers were provided for the anchor clip plates, insuring that the enclosure was completely isolated from the ground where the vibration entered. B1 pad was selected to insure low frequency isolation of the induction fan blade frequencies. The isolation pad system was designed, fabricated and shipped within a matter of several days, as required by the customer. After installation of the AirLoc isolation system was complete, the customer reported, "…the vibration has diminished a great deal…it appears the pads are working well."



Enclosure before isolation pads and clips were added

AirLoc B1 Pads under supports with isolated clips

For more information regarding AirLoc Pads, Wedgmounts®, or Jacmounts®, contact our headquarters in Franklin, MA, or your regional AirLoc Representative

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