

Enidine by Design

Compact Wire Rope Isolators Provides Damping Solution for Ozone Testing Equipment

Enidine Wire Technology Application

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Product Overview

A Massachusetts based manufacturer of geological ozone sensing equipment in the mining industry was looking for a solution to an application problem. Air Incorporated, a distributor of pneumatic automation components, proposed Enidine Compact Wire Rope Isolators as a solution to the problem.

Product Solution

The ozone sensing equipment is housed in a wall-mounted cabinet in a mobile trailer. The cabinet contains electronic circuitry, sensing modules and a compressor. Originally, the compressor was mounted to the bottom of the cabinet, utilizing elastomeric isolator mounts. In time, the effects from the ozone in the cabinet deteriorated the isolating compounds and also caused damaging compressor induced vibrations that affected the more delicate parts in the module. After reviewing the application and the environmental issues, Enidine recommended their Compact Wire Rope (CWR) isolators as a replacement for the elastomeric mounts. The Enidine wire technology product family proved well suited for this harsh environment because ozone, temperature swings and other corrosive materials do not adversely affect them. The CWR isolator solution is expected to last the life of the equipment it is isolating.

Application Opportunity

The manufacturer has been very pleased with the results recorded after installing the Enidine CWR isolators. Since implementing the new isolators, there have not been any failures in the equipment. The customer will continue to utilize the Enidine products in their sensing equipment, as well as consider using Enidine products in other applications.

