



VCI EMITTING SYSTEMS & ELECTRONIC PRODUCTS

VCI -101 Foam Device



PRODUCT DESCRIPTION

VCI™-101 devices are designed to provide corrosion protection for metal components and parts enclosed in non-ventilated control boxes, cabinets or tool boxes. A VCI™-101 device protects up to 1 cubic foot (28 liters) in volume. VpCI™-101 is a small patented foam device from which Vapor phase Corrosion Inhibitors™ are slowly released. The VCIs emit vapors that form a molecular layer on metal surfaces to protect critical, complex and expensive electronic equipment and other metal components during operations, shipping or storage. VpCI™-101 provides long-term protection against corrosion even in the presence of adverse conditions including salt, moisture, airborne contaminants, H₂S, SO₂, NH₃ and others.

TYPICAL APPLICATIONS

- Operating, packaged and stored electrical equipment
- Marine navigation and communication equipment
- Aerospace electrical controls
- Electric motors
- Switching equipment

- Fuse boxes and power boxes
- Medical equipment
- Electrical wireways and terminal boxes
- Scientific and measuring instruments
- Telecommunications equipment and remote electronic devices
- Hand-held, battery-operated devices
- Tool boxes, parts storage and other containers holding metals

FEATURES

- FDA and USDA approved
- Economical to use
- Convenient to install
- Provides continuous protection up to 24 months during operation and/or shutdown
- Effective in polluted and humid environments
- Does not interfere with electrical, optical or mechanical performance
- Multimetal protection
- Quick and easy installation
- Non-toxic and safe to handle
- Compact and space-saving
- Free of nitrites, silicones and phosphates
- No spraying, wiping or dipping required
- Meets Southern California Clean Air Act, and other National and local regulations
- NSN* #6850-01-338-1392
- MIL-B-81075C
- self-stick back
- self-stick date label

METHOD OF APPLICATION

VpCI™-101 devices are extremely simple and convenient to install. The devices should be installed at the earliest possible time, preferably during manufacture or assembly. Simply select a space within any enclosure where corrosion protection would



be useful. Verify the surface to which the device will be affixed is clean and free of debris. Peel off the protective peel strip from the bottom of the device and attach it to the clean surface. VpCI™-101 devices can be installed in any position. For volumes greater than 1 cubic foot (28 liters), use more than one device. If the enclosure is not totally airtight, or if the access doors are opened frequently, replace the VpCI™-101 device more often than every 2 years. After periods of heavy maintenance replace the device in addition to spraying the enclosure very lightly with Cortec® Electricorr™ VpCI™-238 or VpCI™-239.

PROPERTIES

Standard Size	Foam device with adhesive backing 3" (L) x 1" (W) x 1/8" (H) (7.6 cm x 3.2 cm x 0.6 cm)
Packaging	50 individually wrapped devices
Protection	1 ft ³ (0.0283 m ³)

*U.S. Military - "National Stock Number"

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY SEALED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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