

VpCI™ EMITTING SYSTEMS & ELECTRONIC PRODUCTS

VpCI™-111 Emitter, Patented



PRODUCT DESCRIPTION

VpCI-111 emitters are unique devices designed to provide corrosion protection for metal components and parts enclosed in non-ventilated control boxes, cabinets or tool boxes up to 11 cubic feet (312 liters). The VpCIs (Vapor phase Corrosion Inhibitor) emit vapors, which form a molecular layer on internal metal surfaces to protect critical, complex and expensive electronic equipment during operation, shipping or storage. VpCI-111 is a small, patented plastic emitter with a breathable Tyvek® membrane through which corrosion inhibitors are slowly released. VpCI-111 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, power boxes
- Medical equipment
- Electrical wireways, terminal boxes
- Scientific and measuring instruments
- Telecommunications equipment and remote electronics devices

FEATURES

- Economical to use
- Provides continuous protection for up to 24 months during operation and/or shutdown
- Effective in polluted and humid environments
- Does not interfere with electrical, optical or mechanical performance
- Contains desiccant properties
- Multimetal protection
- Quick and easy installation
- Very convenient to install
- Non-toxic and safe to handle
- Compact, space-saving
- Free of nitrites, hydrogen, and phosphates
- No spraying, wiping or dipping required
- VOC values meet Southern California Clean Air Act and other National and local regulations
- Self-stick back
- Self-stick date label
- NSN# 6850-01-408-9025
- FDA and USDA approved
- Canadian Food Inspection Agency approved
- Approved for U.S. military and NATO
- Conforms to MIL I-22110C

METHOD OF APPLICATION

VpCI-111 is extremely simple and convenient to install. VpCI-111 emitters should be installed as early as possible, preferably during manufacture or assembly. Simply select a space within any enclosed device where corrosion protection would be useful. Verify that the surface on which the device will be installed is clean and free of debris. Peel off the protective peel strip from the



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Environmentally Safe VpCI™/MCI® Technologies

bottom of the device and attach it to the clean surface. The peel strip can be separated to reveal a self-adhesive sticker on which the installation and replacement dates can be noted. VpCI-111 emitters can be installed in any position. For volumes greater than 11ft³ (312 L), install more than one VpCI-111. If the enclosure is not totally air-tight or if the access doors are opened frequently, replace the VpCI®-111 emitter more often than every two years. After periods of heavy maintenance, replace the emitter. For additional protection spray the enclosure very lightly with ElectriCorr® VpCI-238.

PACKAGING AND STORAGE

Product should not be exposed to temperatures of over 185°F (85°C). VpCI-111 is available in 10 individually wrapped emitters per carton.

PROPERTIES

Appearance	Green cup with Tyvek® lid
Protection	11 ft ³ (312 Liters) / emitter
Standard size	Plastic device cup with breathable membrane 2.25 in. diameter x 1.27 in. H (5.7 cm x 3.2 cm)

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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