

Vapour phase corrosion emitters explained

Vapour phase corrosion emitters are small, specialised devices designed to provide corrosion protection for metal components and parts which are enclosed in non-ventilated control boxes.

The Vapour phase Corrosion Inhibitor (VpCI) emits vapours that form a monomolecular protective coating on internal metal surfaces. This coating protects critical, complex and expensive electronic equipment from corrosion initiation during operation, shipping or storage.

Three products from Cortec provide long term protection against corrosion in the presence of adverse conditions including salt, moisture, airborne contaminants, hydrogen sulfide, sulfur dioxide, ammonia and others.

VpCI-101 is a small patented device from which VpCI's are slowly released. VpCI-105 and VpCI-111 are small patented plastic emitters with a breathable Tyvek® membrane through which corrosion inhibitors are slowly released.

- VpCI-101 will protect cabinets or tool boxes of up to 1 cubic foot (28 L)
- VpCI-105 will protect cabinets or tool boxes of up to 5 cubic feet (142 L)
- VpCI-111 will protect cabinets or tool boxes up to 11 cubic feet (312 L).

VpCI emitters are simple and convenient to install. The devices should be installed at the earliest possible time, preferably during manufacturing or assembly.

To install, simply select a space within an enclosure where corrosion protection would be useful. Ensure that the surface to which the device will be affixed is clean and free of debris. Using the adhesive tape at the bottom of the device, affix the device to the clean surface. For volumes greater than the emitter size, multiple devices may be used.

If the enclosure is not totally airtight or if the access doors are opened frequently, replace the emitters more often than every two years, or after periods of heavy maintenance. **P**



The VpCI-101.



The VpCI-111.



The VpCI-105.

This product is available through Savcor Products Australia Pty Ltd in Australia and New Zealand. For more information please contact your local Savcor Products Australia representative on 1800 SAVCOR or visit www.savcorproducts.com.au



Products for the Pipeline Industry
www.savcorproducts.com.au
Call: 1800 SAVCOR

Cathodic Protection Materials:

- Cortec VpCI Preservation Materials
- Sacrificial anodes (Zn, Mg, Al)
- Corrosometer resistance probes
- Gypsum bentonite backfill
- Dehn & Sohne IEC Certified Spark Gap Arresters
- Surge Protectors
- Borin Permanent & Portable electrodes
- Loresco Coke Backfill
- APS Flange Insulation Kits
- Radolid Nuts Protectors

Pipeline Fittings & Equipment:

- Pipeline pigs and equipment including:
- Foam, Poly Coated & Wire Brush Pigs
 - Monolithic Insulating Joints
 - Hot Tapping Equipment
 - Wachs Pipe Cutting and Beveling
 - Pipe Seals, Pipe Clamps, Leak Repair
 - APS Casing Spacers
 - Impressed Current & Sacrificial Anodes

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