

THE AUSTRALIAN



# Pipeliners

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**DIGITAL EDITION**

A large-scale construction site for a pipeline. Several massive, dark-colored pipes are laid out on a dirt embankment. In the background, two large orange excavators are visible, one on the left and one on the right, positioned behind the pipes. The sky is clear and blue.

## New pipeline standards: AS 2885 revamped

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# Corrosion inhibitors: protecting your space

Void spaces are common in pipeline equipment, starting with pipes and extending into associated vessels.

Many void spaces are at risk for corrosion almost immediately after manufacturing, as well as during shipping and storage or layup of equipment, which frequently involves years in harsh storage conditions.

Unfortunately, void spaces present a challenge for defence against corrosion since they can be difficult to reach with protection. To further the problem, traditional protection strategies can be labour intensive, unreliable and sometimes hazardous.

A superior protection option on the market is the use of vapour phase corrosion inhibiting (VpCI®) solutions for void space protection. This family of products offers customised protection to meet varied commissioning, engineering, construction and overall project constraints without compromising on the quality of the preservation or asset integrity goals.



The VpCI®-337 fogging a pipe before capping.

One good example of customisable VpCI® solutions is VpCI®-337, a versatile and environmentally friendly waterborne corrosion inhibitor used to protect internal void spaces. VpCI®-337 can be fogged into void spaces, such as pipes, tanks, and other enclosures, and is known to travel up to 30.5 m through twists and turns without additional help. Distribution can be aided by using a fan to create a draft that will draw the product through larger, more intricate piping or void spaces.

Once the VpCI®-337 has been fogged into the interior, all that is needed is to close the access points so that the VpCI®-337 is trapped inside. This is often done by capping recyclable VpCI®-126 film or weather-resistant MilCort® over the ends of large pipes.

The power of VpCI®-337 lies in its vapour phase corrosion inhibitor technology, which relies on VpCI® molecules to migrate throughout the enclosed void space to evenly protect metal surfaces, even in hard to reach spaces. The VpCI®s form a thin

self-healing film on the surface of the metal that protects it from interacting with corrosive elements such as oxygen, moisture and chlorides.

VpCI®-337 is an excellent replacement for nitrogen blanketing and dry air systems that are expensive to install and maintain. Nitrogen blanketing presents a hazard for personnel, and dehumidification systems are dependent on a consistent supply of electricity.

In contrast, VpCI®-337 is environmentally safe to use and does not require electricity to maintain. It is labour-saving and cost effective, using a minimum of product to protect large areas or volumes.

VpCI®-337 can be used to protect a variety of pipeline related components. This includes pipes, tanks, gas to liquid module platforms, boiler systems, heat exchanger tubes, pump skids, drill ship riser and double wall void spaces.

Protection is immediate, convenient to apply and easy to remove if required. It offers important advantages in the protection of void spaces as an easier, safer, more cost-effective way to protect important parts from corrosion.

Custom product variations include:

- ultra-low dosage
- ultra-low residue
- below freezing application
- minimal clean up
- non-aqueous products
- vapour only applications
- continuous monitoring situations
- temperature ranges from -50 degrees Celsius to 60 degrees Celsius. **P**

VpCI® solutions are distributed in Australia and New Zealand by Savcor Products Australia and sourced from a US-based corrosion technology company called Cortec® Corporation, the global leader in VpCI® technology. For more information, contact your local Savcor Products Australia representative on 1800SAVCOR.



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## Products for the Pipeline Industry

[www.savcorproducts.com.au](http://www.savcorproducts.com.au)

Call: 1800 SAVCOR

### Cathodic Protection Materials:

- Cortec VpCI Preservation Materials
- Sacrificial anodes (Zn, Mg, Al)
- Corrosion rate resistance probes
- Oxygen-hydrogen backfill
- Dahn & Sohme IEC Certified Spark Gap Ameters
- Surge Protectors
- Bolt Penetration & Portable electrodes
- Lorenzo-Coke Backfill
- APS Flange Insulation Kits
- Flanged Nuts Protectors

### Pipeline Fittings & Equipment:

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

Trusted Supplier of Cathodic Protection & Prevention materials in Australia.

#### Melbourne

T: 03 9764 2651  
E: [melbourne@savcor.com.au](mailto:melbourne@savcor.com.au)

#### Sydney

T: 02 9807 4542  
E: [sydney@savcor.com.au](mailto:sydney@savcor.com.au)

#### Brisbane

T: 07 5549 2248  
E: [brisbane@savcor.com.au](mailto:brisbane@savcor.com.au)

#### Perth

T: 08 6240 3900  
E: [perth@savcor.com.au](mailto:perth@savcor.com.au)