

Enviromech™

Composite Thief Hatch

Cut emissions. Save product. Reduce costs & risk.



Significantly Reduces a Major Source of Emissions From Liquid Storage Tanks



A Modest Concept with Monumental Impact

Encino's proprietary Enviromech™ composite thief hatch is engineered to mitigate emissions from corrosion and address the often-overlooked issue of flash loss. Its composite seal system minimizes unnecessary venting during pressure changes, maintaining seal integrity even in extreme weather conditions. This innovation supports regulatory compliance, operational efficiency and improved safety while protecting your bottom line.

High-Impact, Low-Cost Emissions Reduction Solution

Engineered to cut emissions, save product, and reduce cost and risk, Enviromech™ composite thief hatches are manufactured to aerospace-grade tolerances from corrosion-resistant composite materials for long-term mechanical integrity. The design specifically addresses flash loss by maintaining a secure seal during rapid pressure changes, preventing the uncontrolled release of vapors that carry valuable hydrocarbons. By minimizing these losses, operators can improve inventory retention, reduce VOC emissions, and enhance both operational efficiency and safety.

The composite construction resists warping under extreme temperature variation. This durability delivers consistent performance and extended service life in demanding operating environments. Learn how the Enviromech™ Composite Thief Hatch can help you protect your product, maintain compliance, and reduce operational risk.



Features & Benefits

- ✓ Made from durable composites resistant to corrosion, warping and morphing
- ✓ Greater seal integrity reducing flash loss, conserve product & reduce emissions
- ✓ Improved well-site safety profile
- ✓ Low-cost, high impact solution for new tanks and retrofits
- ✓ Manufactured in an AS 9100/ISO: 9001 facility in the U.S.A.



Specifications

Construction:

Made from durable composites and engineered to aerospace-grade tolerances.

Bolt Pattern:

8 in. API

Pressure Setting (Range):

4, 6, 8, 12, 16, 24, and 32 oz./sq. in.

Vacuum Setting Range:

0.40, 0.90, and 3.50 oz./sq. in.

Construction Material:

- Ultem® 2300 (non-sparking)
- Pressure Gasket: Viton
- Vacuum Gasket: Viton

Applications

- Oil and condensate storage tanks
- Produced water storage tanks
- Suitable for both new tank installation and retrofitting existing ones

Compliance & Quality

- Prebuilt to **API 12F** standards
- Manufactured in an **AS 9100/ISO:9001** facility in the **USA**
- All hatches leak tested, and hand assembled for quality assurance
- All materials are purchased in accordance with **DFARS** (Defense Federal Acquisition Regulation Supplement) compliance
- Encino housings are built to accommodate standard OEM replacements
- Extended maintenance intervals exceeding those of traditional products
- Suitable for Sour Service conditions

THE ENCINO ADVANTAGE

As a service provider, we understand our role in helping clients meet their compliance obligations and achieve their environmental performance objectives. Whether you need one piece of the puzzle, or the entire picture, we can help design and tailor an emissions monitoring and performance program that fits your operational needs, corporate strategy, and budget.

