



PRODUCT SPECIFICATION SHEET

Atkinson Ventatank - Universal Tank Vent

BRAND:



TOP SPEC:

Universal for Plastic or Metal

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Product Description

The Atkinson Ventatank is a good quality universal vent cover for plastic or metal fuel storage tanks.

Affixes into a cut hole in the tank's surface, and is secured by twisting down onto a T-bar which clamps to the underside. A flanged base then prevents any ingress of water into the tank

Also features a coarse moulded gauze that prevents the ingress of insects, blowing leaves, and other debris.

Plastic oil storage tank vent caps are essential components designed to ensure the safe and efficient operation of oil storage tanks.



Main Features

- Universal for plastic or metal fuel tanks
- Maximum hole coverage - 3" Diameter

Additional Information

Part Number

Atkinson Ventatank - Universal Tank Vent

V5180

On the following page are some key aspects to understand about Plastic Oil Storage Tank Vent Caps

NEED MORE INFORMATION?

○ 01373 822220

○ sales@fueldump.co.uk

○ www.fueldump.co.uk

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Purpose & Function

- **Ventilation:** These caps allow the tank to breathe, preventing pressure build-up inside the tank as oil is added or removed.
- **Protection:** They protect the tank contents from contaminants such as dust, debris, insects, and moisture.
- **Safety:** Proper venting reduces the risk of explosions or implosions by equalizing the pressure inside and outside the tank.

Types of Vent Caps

- **Atmospheric Vents:** These are the simplest type, allowing air to move freely in and out of the tank.
- **Pressure-Vacuum Vents:** These vents open and close based on pressure differentials to prevent over-pressurization or vacuum conditions inside the tank.
- **Flame Arrestor Vents:** These are equipped with a flame arrestor to prevent external flames from igniting the tank contents.

Materials & Design

- **Materials:** Typically made from durable plastics such as polyethylene or polypropylene, which are resistant to corrosion and chemical reactions with oil.
- **Design Features:** May include screens or mesh to filter out contaminants, and some designs incorporate caps that can be locked or secured to prevent unauthorized access.

Installation & Maintenance

- **Installation:** Usually installed on the top of the tank, ensuring a tight fit to prevent leaks and ensure proper ventilation.
- **Maintenance:** Regular inspection and cleaning are essential to ensure the vent cap is functioning correctly. Check for cracks, blockages, and signs of wear.

Considerations for Selection

- **Tank Size and Capacity:** Ensure the vent cap is suitable for the tank's size and the volume of oil it holds.
- **Environmental Conditions:** Consider the environmental conditions where the tank is located, including temperature variations and potential exposure to harsh weather.
- **Regulatory Compliance:** Ensure the vent cap meets local and industry regulations regarding oil storage and safety standards.

Advantages

- **Durability:** Plastic vent caps are resistant to corrosion and chemical damage.
- **Cost-Effective:** Generally more affordable compared to metal alternatives.
- **Ease of Installation:** Lightweight and easy to install without specialized tools.

Common Issues and Solutions

- **Clogging:** Regularly check and clean the vent to prevent blockages from debris or insect nests.
- **Cracking:** Inspect for cracks or damage, especially in extreme weather conditions, and replace if necessary.
- **Leaks:** Ensure the cap is securely fitted and replace any gaskets or seals if leaks are detected.

Conclusion

In conclusion, selecting the right plastic vent cap for your oil storage tank involves understanding the specific needs of your tank and the environmental conditions it operates in.

Regular maintenance is crucial to ensure safety and efficiency.

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