

‘Supporting the Biogas Industry to stay safe, compliant and profitable’

Assentech has earned an enviable global reputation as the innovator, manufacturer, and supplier of the award-winning Vent-Less test bench, the ultimate risk mitigation tool for breather valves. We are committed to going beyond the norm to safeguard the industry, offering tailored solutions, products, and expert advice to improve safety, reduce emissions, enhance efficiency, and cut costs. With a presence on two international standards committees, we also provide consultancy services to help clients optimise operations, protect the environment, workforce and neighbouring communities whilst also ensuring regulatory compliance.

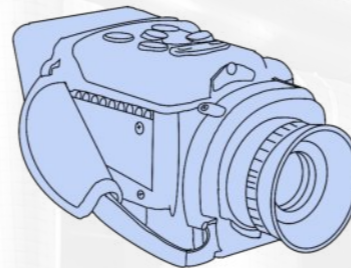
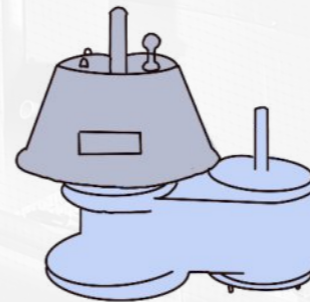
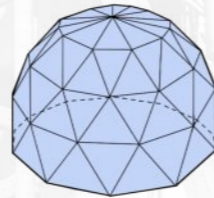
Tank Furniture

With our tank safety solutions, we help clients improve efficiency, reduce costs, and enhance environmental performance. It's essential that facilities have confidence in the equipment they install and can demonstrate informed procurement decisions. Installing **non-compliant** equipment puts operators at significant risk, potentially leading to loss of stakeholder confidence, fines, product contamination, tank deterioration, compromised facility safety, and harmful emissions exposure.

For example, if a breather valve leaks, the consequences could be severe. To ensure safety and compliance, we supply Breather Valves with API2000 Test Reports, confirming that each unit has been tested according to International Standards, meets the acceptable leak rate, performs as designed, and is set correctly for the intended application. This not only demonstrates a duty of care but also highlights responsible procurement, protecting the workforce, environment, reputation, and profitability.

Assentech also offers installation as well as maintenance for the equipment we supply:-

- Breather Valves
- Geodesic Domes



Regulations and How Assentech Can Help

At Assentech Sales Limited, we leverage our expertise to support the biogas sector in tackling emissions and ensuring compliance with key regulations like Regulation 61 and Leak Detection and Repair (LDAR). While biogas is a renewable energy source, its production results in methane emissions—a powerful greenhouse gas. We address this through our high-quality tank breather valves, promoting both safety and environmental responsibility. Shockingly, over 90% of valves in use today lack a leak test certificate, posing risks to both operations and the environment. Assentech has developed best-practice guidelines for reducing emissions and improving efficiency. Our valves, tested and calibrated to ensure less than 0.1 CFH leakage, enhance profitability while ensuring compliance.

By choosing Assentech, you are not only ensuring plant safety and regulatory compliance but also contributing to significant emissions reductions and supporting your journey toward Net Zero as well as demonstrating a duty of care to your workforce.

Emissions Calculator

An emissions calculator, allowing you to quantify your own emissions and visualise comparisons, used in conjunction with Vent-Less Test Report See what it costs you.



SCAN ME

VENT-LESS[®]

The revolutionary and unique range of automatic Vent-Less test benches for breather valves. Aligns to the stringent API2000 test protocol and recognised as a Best Available Technique. Tests both vacuum and pressure ports. It verifies flow curves, checks set-point accuracy, measures leak rate and checks each breather valve performs safely and as designed.

Unique AI software driven technology supports management of aging breather valves, environmental impact assessor, commissioning tool, regulator/auditor compliance tool, carbon offsetting. Factory checks and underwriter due diligence. The only technology worldwide that can measure, monitor and reduce fugitive emissions from tank breather vents.

Test time as little as 3 minutes with one operator



Breather Valve Specialist Services

Assentech can offer a full cost and environmental benefit analysis. Reduced emissions, safe storage and safeguarding personnel are all benefits of procuring and maintaining quality equipment. Through a comprehensive national network, Assentech offers full servicing capabilities at site, or in our workshops for all tank breathing equipment.

- Breather Valve API2000 Test Reports (Inspect, service, leak test, re-set, calibrate, and re-certify valves from all manufacturers)
- LDAR Repair (including emission reduction reporting)
- Breather Valve Swap In, Swap Out Servicing

Pre-Install Commissioning Check

- Specification Confirmation
- Verifies flow curve
- Performance Analysis
- Set Point
- Leak Rate

Professional Services

- Expert Technical Support and Regulatory Advice
- Site Visits with Tailored Support
- Academy Training
- Valve Sizing and Unit Suitability
- Complex Solutions for a wide range of diverse Applications
- Installation of Internal Floating Roofs and Geodesic Domes
- Environmental Impact Assessments
- LDAR Packages