

“Supporting the Chemical 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

We offer a range of high-quality tank safety equipment, including Blanket Gas Regulators, Breather Valves (PVRV), Flame Arrestors, and Emergency Relief Valves. Designed to prevent contamination, oxidation, and explosions, our solutions help clients operate safely while minimizing accidents. Our products improve efficiency, reduce costs, and enhance environmental performance.

Facilities must trust their equipment and make informed procurement decisions. Installing non-compliant equipment risks contamination, tank deterioration, safety breaches, and fines. To ensure compliance, we supply Breather Valves with API2000 Test Reports, verifying performance and acceptable leak rates. This demonstrates responsible procurement, safeguarding the workforce, environment, and reputation.

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

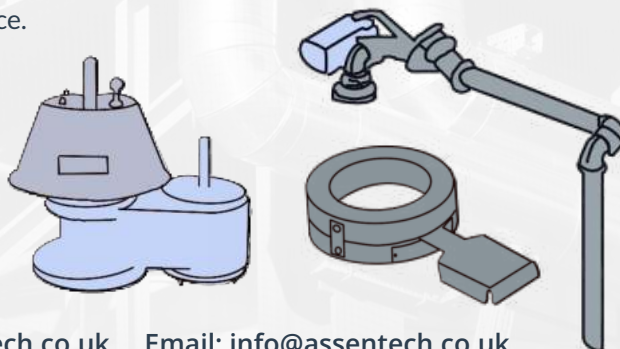
- Blanket Gas Regulators
- Breather Valves (PVRV)
- Flame Arrestors
- Emergency Relief Valve

Assentech can also leak test, calibrate, and re-certify valves from all manufacturers.

Process Safety

Assentech provides a range of high-quality equipment to enhance process safety in the chemical industry. Our products are reliable and meet the highest safety standards, ensuring that chemical processing plants can operate with confidence and minimize the risk of spills, leaks, and other process-related incidents. With our process safety solutions, we aim to help our clients improve their efficiency and reduce costs, while also enhancing their environmental performance.

- Break-Away Couplers
- HILTAP Couplings
- Dry Disconnect Couplers (Epsilon Coupler)
- Loading Arms
- Bursting Discs
- Ground Verification Controller



LEAK DETECTION AND REPAIR TECHNOLOGIES

The revolutionary and award winning Vent-Less test benches for digester breather valves are fully automatic, aligning with the API2000 5.4 test protocol and recognised as a Best Available Technique. Testing both vacuum and pressure ports in as little as 3 minutes with one operator, this AI-driven commissioning tool manages aging valves, confirms safe functionality, supports compliance verification, leak rate measurement, and underwriter due diligence. It's the only global technology capable of measuring, monitoring, and reducing fugitive emissions, including Scope 1 emissions from digester breather valves.

VENT-LESS



The OPGAL EyeCGas OGI camera, integrates Method 21 and OCMP 2.0, for leak detection and perfectly complements Vent-Less for repair.



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
- Leak Detection LDAR OGI surveys with EA approved specialist
- 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