



assentech

sales limited

Supporting the Oil and Gas Industry to stay Safe, Compliant and Profitable

A Trusted Partner

Assentech supports the Oil and Gas industry with expert guidance, compliant equipment, and innovative testing solutions that protect people, assets, and the environment.

We specialise in breather valve technology, vapour control, and emissions management, offering independently tested products, tailored advice, and trusted services to help you reduce risk, improve reliability, and meet regulatory obligations.

Our award-winning Vent-Less® test bench is recognised globally as the gold standard for breather valve testing, enabling safe, accurate, and efficient operation in high-stakes environments.

With representation on international standards committees and deep expertise in API 2000 and ISO 28300 compliance, Assentech is your partner in achieving operational excellence, environmental protection, and long-term value.

Tank Furniture

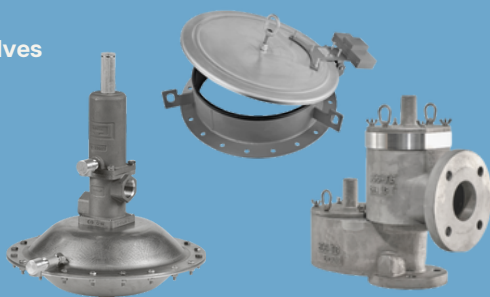
We help reduce costs, improve efficiency, and protect the environment by supplying fully tested, compliant equipment.

In oil and gas, installing non-compliant or untested equipment puts operators at serious risk—potentially resulting in loss of stakeholder confidence, fines, product contamination, tank deterioration, compromised facility safety, and uncontrolled emissions.

To mitigate this, our API2000-tested breather valves confirm compliance with international standards, ensuring each unit meets leak rate limits, performs as designed, and is correctly set. This protects your workforce, reputation, and profitability while demonstrating duty of care.

We supply and support a full range of critical tank safety equipment, including:

- Pressure/Vacuum Relief Valves
- Emergency Relief Valves
- Flame Arrestors
- Blanket Gas Regulators
- Rupture Discs
- Explosion Vents
- Internal Floating Roofs
- Floating Suction Lines
- Geodesic Domes
- Agitators



Fluid Transfer

Assentech delivers expert solutions for safely handling, processing, monitoring, and transferring hazardous bulk fluids. Backed by leading manufacturers, we understand your needs and compliance requirements. Our range includes:

- **API Coupler**—lightweight, durable, and rebuildable in minutes
- **Rack Monitor**—user-friendly with proven oil industry performance
- **Epsilon Dry-Disconnect**—lightest, safest full-bore option available
- **OPW Top/Bottom Loading Arms**—engineered for long-lasting terminal use.

Trust Assentech for reliable, compliant fluid transfer systems.

VENT-LESS®

The revolutionary Vent-Less® range is the only fully automated test bench for breather valves, aligning with the stringent API2000 test protocol and recognised as a Best Available Technique.

It tests both vacuum and pressure ports, verifies flow curves, checks set-point accuracy, measures leak rates, and ensures each valve performs safely and as designed. Powered by AI-driven software, Vent-Less supports the management of aging breather valves and serves as a commissioning tool, environmental impact assessor, compliance verifier, and carbon offsetting calculator. It also enables factory checks and underwriter due diligence.



Vent-Less is the only technology worldwide capable of measuring, monitoring, and reducing fugitive emissions from tank breather vents – all in as little as 3 minutes with one operator.

Regulations and How Assentech Can Help

At Assentech, we support the Oil and Gas industry in navigating increasingly stringent environmental and safety regulations. Our expertise spans fluid storage, vapour recovery, emissions control, and overpressure protection, all critical for maintaining compliance on COMAH-regulated sites and within ATEX-classified zones.

We help operators meet regulatory requirements under frameworks such as the Industrial Emissions Directive (IED), UK ETS, and EU Methane Strategy using API 2000, ISO 28300, EEMUA and HSE guidelines for tank venting and fugitive emissions. We also support alignment with OGMP 2.0 reporting and broader ESG targets.

Our services include leak detection, emissions quantification, breather valve testing, and equipment certification, providing clear, traceable evidence of compliance. Whether for environmental permitting, audit preparation, or process optimisation, Assentech delivers practical support backed by technical accuracy and regulatory insight.



Emissions Calculator

Our emissions calculator, allowing you to quantify your own emissions and visualise comparisons, used in conjunction with Vent-Less Test Report.



Scan or Click Here

Easily convert leak rates into visual, financial, and environmental impacts – from lost product value to CO₂ equivalents and vapour cloud comparisons.

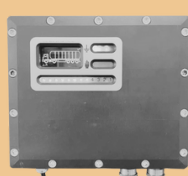
**Quantify your emissions.
Understand your losses.**

Process Safety

Assentech supplies high-integrity equipment designed to meet the highest safety standards, helping facilities operate with confidence while minimising the risk of spills, leaks, emissions, and other process-related incidents. Our process safety solutions support improved efficiency, reduced operating costs, and enhanced environmental performance.

We offer a full range of equipment to support safe, compliant, and reliable operations, including:

- **Couplers (API, Dry Disconnect, Quick Release)**
- **Safety Relief Valves**
- **Vapour Recovery Units**
- **Rack Monitors**
- **Loading Arms (Top & Bottom)**
- **Vent-Less® Breather Valve Test Bench**



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

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 OGI surveys with EA approved specialist

