



TACTICAL
— SUPPLY PAKISTAN —

Your Needs Our Speciality

Tactical Portable Oxygen Generator and Cylinder Filling Systems

T-GENOX and T-FILLOX provide autonomous oxygen generation and cylinder filling in field operations, delivering medical-grade oxygen at up to 20 L/min and 150+ bar. MIL-STD-1330-compliant and optimized for mobility, both systems support field hospitals, naval platforms, airborne units, and humanitarian deployments with fast setup, lightweight construction, and reliable performance in extreme conditions.



T-GENOX[®]
Tactical Portable Generator of Oxygen

T-FILLOX[®]
Tactical Portable Filling Unit of Oxygen

Features

Dual-function: On-site oxygen generation and cylinder refilling

Ultra-portable, lightweight, and easy to transport

Reliable operation in harsh environments and high altitudes

Technical Information

Flow rate up to
20 L/min

Safe and
Oil-Free
Pressurization
up to 150 bar

Compliant for
Military
Operations
MIL-STD-1330

Medical-Grade
Oxygen Supply

High Pressure Dry Air Generator Systems

These systems supply ultra-clean, dry air at pressures above 700 bar and flow rates up to 300 NL/min, ensuring air quality across high-performance aerospace and defense platforms. DEF-STAN 58/96 compliance, modular integration, and robust construction allow continuous operation under thermal and mechanical stress in mission-critical environments.

Features

Suitable for aerospace, defense, and industrial environments

Modular and adaptable to platform-specific configurations

Proven reliability in harsh and high-pressure applications

Technical Information

Flow capacity
**up to 300
NL/min**

Operating
pressure
>700 bar

Ultra-dry,
high-purity air
output

Compliant
**DEF-STAN
58-96**



Hydrogen Compressors

Delivering hydrogen at up to 700 barg and 100 NL/min, this system supports energy storage, fueling, propulsion R&D, and industrial pressurization with zero hydrocarbon contamination. Its oil-free compression, precise control architecture, and scalable design meet stringent hydrogen safety standards while enabling safe, long-life performance under demanding conditions.

Features

Oil-free compression – Zero hydrocarbon contamination; maximizes hydrogen purity

High reliability – Long-life operation under continuous high-pressure cycles

Integrated control system – Includes pressure regulation, flow monitoring, and safety interlocks

Scalable design – Modular and compact for mobile or stationary use

Versatile application – Suitable for energy storage, fueling, defense, and R&D platforms

Technical Information

Up to
100 NL/min

Up to
700 barg

Oil-free,
multi-stage

ATEX
Compliant

Pressure, Temperature, and Leak Testing & Control Systems

Covering pressure ranges up to 3000 bar, these test systems enable qualification and calibration across thermal, flow, purity, and leak parameters. Real-time data acquisition, helium leak detection, and DEF-STAN/MIL-STD compliance ensure accuracy and repeatability in validating aerospace components, subsystems, and full-scale assemblies.

Features

Pressure testing infrastructure up to 3000 bar (hydraulic) and 1000 bar (pneumatic) for qualification of high-pressure aerospace components

Helium leak detection with sensitivity down to $<10^{-12}$ mbar-l/s, ensuring compliance with aerospace sealing integrity standards

Real-time monitoring of pressure, temperature, flow, and gas purity under simulated operational loads

High-pressure burst testing capabilities for verifying structural safety margins in mission-critical systems

Compressor and valve capacity testing for dynamic performance assessment under varying flow and load conditions

Integrated data collection and control systems enabling traceability, repeatability, and compliance with industry validation protocols

Oxygen-compatible and cleanroom-ready setups supporting fluid system validation in contamination-sensitive environments

Applicable across component, subsystem, and full-system levels, supporting development and certification of aerospace fluid architectures



Ground Gas Charging Stations

This high-purity gas unit delivers up to 10,000 PSI (≈ 750 bar) for vessel charging and venting in missile systems. Fully oil-free compression and corrosion-resistant internals support mobile or fixed-site integration, with DEF-STAN 58-96/MIL-STD-1330 conformity and automated safety features ensuring consistent operation across varying conditions.

Features

Gas compatibility: Oxygen, Nitrogen, Argon, Dry Air

Oil-free compression system – Eliminates hydrocarbon contamination risk

Built for harsh conditions – Operates reliably under varying pressure and temperature

Use cases: Missile pre-launch charging, depot servicing, field support

Compact & modular design – Suitable for mobile or fixed-site integration

Technical Information

Up to
10,000 PSI

**DEF-STAN
58-96 and
MIL-STD-1330**
Compliant

Compatible
with
**220V or
380V**

Simultaneous
**dual-vessel
filling**

High Pressure Vessels

Engineered for extreme environments, these vessels handle pressures up to 1000 Barg and are ideal for satellite propulsion, tactical pneumatics, and aerospace platforms. Available in titanium, stainless steel, aluminum, and composites, they offer tailored compatibility and long-term durability. Zero-leakage and lifetime-sealing options ensure maximum safety and containment in both static and mobile systems.

Features

Zero-leakage sealing – Optional long-life sealing options for secure containment

Multiple configurations – Compatible with pneumatic systems, pressurization modules, and gas storage

Material flexibility – Titanium, 316L stainless steel, aluminum, and composite options

Technical Information

1000 bar
rated
pressure

Slim form for
tight spaces

Low mass, high
performance

**Rugged &
reliable** under
stress

