

Systems Capabilities Overview

Integrated Custom Systems

DSYSX2044X012

Burst & Proof Testing



Test bench allows accurate hydrostatic testing of car radiator hoses according to DIN EN ISO 1402 European standard. Inspects initial samples and randomly tests hoses during ongoing production.



Test stand allows hydrostatic durability and leak test up to 60,000 psig / 4000 bar.



Automated design for leak testing hoses and hose assemblies with an accuracy and repeatability not possible using the manual test this unit replaced.

Calibration



APT-Automated Performance Tester provides a test gas sequence for automotive exhaust analyzers to check the entire gas sampling path.



Control unit simulates pressure conditions at different altitudes.



Allows automated calibration and trimming of pressure sensors, pressure switches and gauges.

Gas & Fluid Supply



For central gas supply. A turn key system that provides Compressed Natural Gas (CNG) to a motor test stand.



Aerospace gas supply box provides a supply of cooling gas to sensors on infrared detector calibration equipment.



Precise high pressure bottle filling up to 12,000 psig / 1000 bar pressure for helium, argon and air. Meets cleanliness requirement to guarantee a bottle shelf life of 20 years.

Leak & Flow Testing



Quality verification of aerospace air ducts by measurement of the leak and flow capacity.



Mobile test rig monitors medical systems in hospitals. Pressure, flow capacity and leakage demands are verified.



Detailed testing for CO₂ permeation of sealing materials, fittings and hose assemblies.

Manifolds & Blocks



Gas delivery system for testing sensitive sensors; optimized to fit inside existing equipment with tight space restrictions.



Compact, durable manifold block minimizes potential leak paths for cascade bottle filling.



Hydrogen supply system for alternative fuel testing can remotely turn on or off any of the 6 hydrogen bottles while monitoring the pressure in each.

Automation



Electromechanical automation allows for data acquisition and networking. Provides extremely accurate and stable pressure control.



System integration allows for automated workflow and remote operation. Helps improve uniformity, efficiency and quality while ensuring worker safety.



Custom user interface and software design provides easy data collection for customer validation reports while monitoring process parameters.

WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the **TESCOM Safety, Installation and Operation Precautions.**