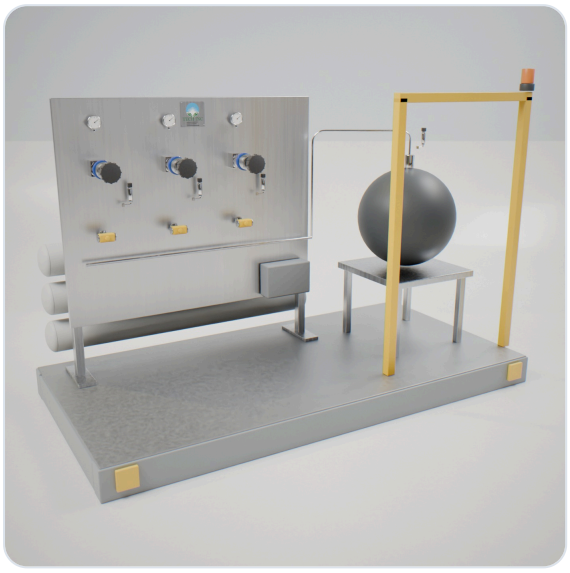
PRODUCT DATASHEET

Rocket Pressurant and Propellant-Tank Test Skid

High-pressure gas panels and test skids for rocket tanks, valves and stages

Product page





Close-up: high-pressure regulators and actuated valves

OVERVIEW

The Tech Inc. Rocket Pressurant and Propellant-Tank Test Skid supplies and controls the high-pressure gases used to test rocket tanks, valves and engine components. Pressurant panels regulate helium and nitrogen from 300 to 400 bar banks, test skids run proof and leak tests on tanks and components behind a barrier, and flow panels feed test articles at controlled pressure with remote operation from a control room.

TYPICAL DESIGN DATA

Pressure	To about 300 or 400 bar
Gases	Helium, nitrogen and air
Control	Remote, from a control room, with interlocks
Codes and standards	Pressure parts to ASME B31.3 practice; cleanliness to the client's propulsion specification
Cleanliness	Cleaned and particle-controlled for propulsion service
Materials	316 stainless; oxygen-clean where required
Data	Pressures, flows and valve states logged

MODELS AND CAPACITIES

- **TI-RPT-300** – to about 300 bar
- **TI-RPT-400** – to about 400 bar
- **TI-RPT-PL** – proof and leak skid
- **TI-RPT-M** – mobile skid

Indicative maximum inlet pressure.

ORDERING CODE

Example **TI-RPT-400-R**: **400** maximum pressure, bar; **R** control: R remote, L local.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** mobile trailer version; oxygen-clean panels; booster for higher pressures; test fixtures.

KEY ADVANTAGES

- **High pressure** – to about 400 bar
- **Clean** – particle-controlled for propulsion
- **Remote** – operated from a control room
- **Logged** – every pressure and valve state

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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