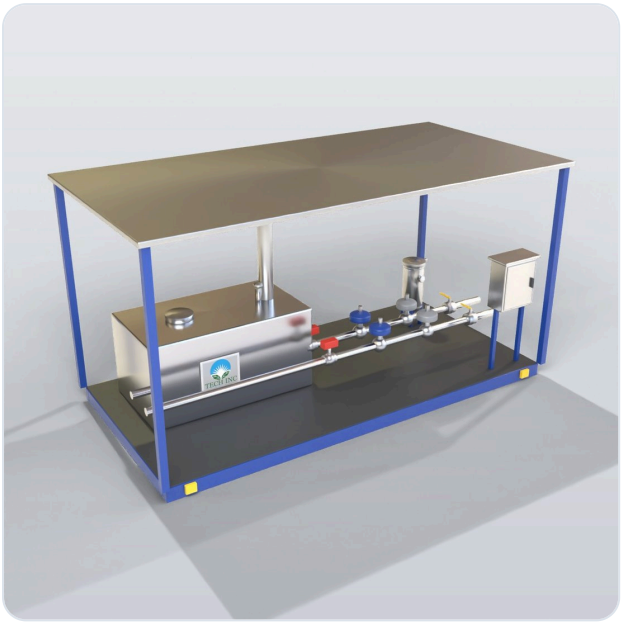
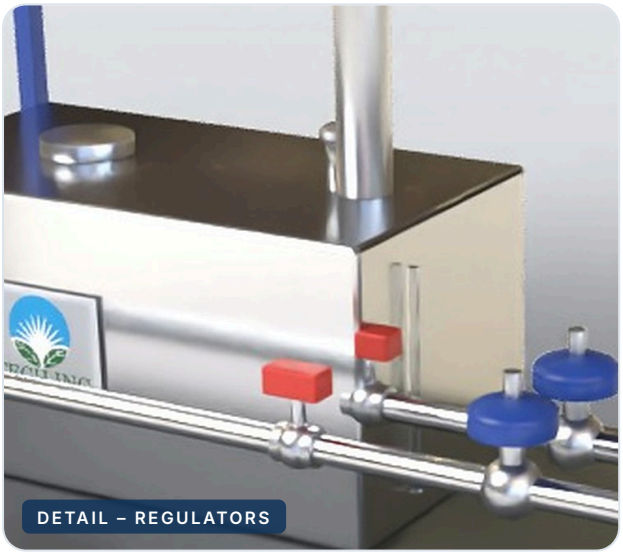
PRODUCT DATASHEET

CNG Decompression Skid

Heated CNG pressure reduction from trailer to user





DETAIL – REGULATORS

OVERVIEW

The Tech Inc. CNG Decompression Skid reduces compressed natural gas from storage or trailer pressure to user pressure, with heating to prevent freezing. It lets industrial users and temporary sites run on natural gas delivered by road where there is no pipeline. Each skid combines filtration, heating, staged regulation, over-pressure protection and metering in one fixed or mobile unit.

MODELS AND CONFIGURATIONS

- **Fixed skid** – permanent installation at the user's site, fed from trailer bays or on-site storage.
- **Mobile (trailer or container)** – a self-contained unit that moves between sites for temporary supply.
- **Single-stage reduction** – one regulating stage for smaller pressure drops.
- **Multi-stage reduction** – two or three regulator stages share the drop from trailer pressure to user pressure.

TYPICAL DESIGN DATA

Inlet pressure	Up to 250 bar(g), or to client specification
Outlet pressure	Typical 0.1 to 10 bar(g), or to client specification
Flow	Sized to the user's gas demand
Heating	Water bath, hot-water exchanger or electric, sized to offset the cooling from the pressure drop
Regulation	Two- or three-stage, with slam-shut and relief valves
Mounting	Fixed skid, trailer or container
Materials	Selected for the inlet pressure and design conditions, or to client specification

APPLICATIONS

Virtual pipelines, industrial users without a pipeline, temporary gas supply.

KEY ADVANTAGES

- **No freezing at the regulators** – heating offsets the cooling caused by the large pressure drop
- **Stable outlet pressure** – two- or three-stage regulation from trailer pressure down to user pressure
- **Over-pressure protection** – slam-shut and relief valves guard the downstream system
- **Fixed or mobile** – trailer and container units move between sites as demand changes
- **Measured delivery** – metering for billing, with optional odorisation for distribution networks

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

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