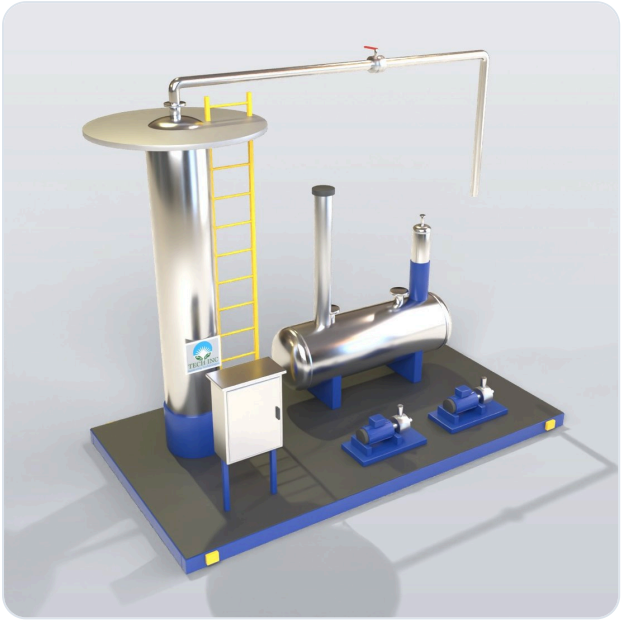
PRODUCT DATASHEET

Gas Dehydration Skid (TEG / Molecular Sieve)

TEG and molecular sieve gas drying packages





DETAIL – VESSEL NOZZLES

OVERVIEW

The Tech Inc. Gas Dehydration Skid removes water from natural gas to meet pipeline, fuel or process dew-point specifications. It is supplied as a triethylene glycol (TEG) absorption unit or a twin-tower molecular sieve adsorption unit, skid-mounted for small and medium flows.

MODELS AND CONFIGURATIONS

- **Triethylene glycol (TEG) contactor with regeneration** – continuous absorption in a contactor, with the glycol regenerated in a reboiler and still column.
- **Twin-tower molecular sieve adsorption** – one tower dries the gas while the other regenerates, for low dew points.
- **Instrument and fuel gas dryers** – compact dryers for instrument gas and fuel gas supplies.

TYPICAL DESIGN DATA

Water dew point, TEG	Typically down to −10 °C, or to client specification
Water dew point, molecular sieve	Typically down to −70 °C, or to client specification
Capacity	Skid-mounted for small and medium flows, sized from the gas flow, pressure and water content
Regeneration	Reboiler and still column (TEG) or regeneration heater and cooler (molecular sieve), sized to the duty
Control	PLC sequencing of tower switching and regeneration, or to client specification
Pressure vessels	Designed to the project's pressure-vessel code, or to client specification

APPLICATIONS

Wellhead and gathering facilities, fuel gas, CNG stations, instrument gas.

KEY ADVANTAGES

- **Matched to the dew-point target** – TEG for pipeline and fuel gas specifications, molecular sieve where a lower water dew point is required
- **Continuous operation** – the glycol is regenerated continuously, and the twin towers switch automatically between drying and regeneration
- **Automatic sequencing** – PLC sequencing programmed by the Tech Inc. in-house automation team
- **Factory-built** – skid-mounted, assembled and tested before dispatch, reducing site work

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.