PRODUCT DATASHEET

Fermentation CO_2 Recovery Skid

Recovers, cleans and liquefies fermentation CO_2





DETAIL – SCRUBBER COLUMN AND COMPRESSOR

OVERVIEW

The Tech Inc. Fermentation CO_2 Recovery Skid collects the carbon dioxide released by fermentation at breweries, distilleries and ethanol plants, cleans it and liquefies it for reuse in carbonation, bottling and blanketing. Plants that buy CO_2 today can cover their own needs, with stable supply and lower cost.

MODELS AND CONFIGURATIONS

- **Brewery package** – sized to the fermentation profile of the brewhouse.
- **Distillery package** – for distillery and ethanol plant fermenters.
- **Recovery to compressed gas** – compression and drying without liquefaction, for direct use.

TYPICAL DESIGN DATA

Capacity	Sized to the fermentation CO_2 flow, to client specification
Product	Liquid CO_2 to the purity specified by the plant
Wetted materials	SS304 or SS316, or to client specification
Design code	Pressure parts designed to ASME VIII or client specification
Controls	PLC and HMI with remote monitoring

APPLICATIONS

Breweries, whisky and grain distilleries, ethanol plants and beverage bottlers.

KEY ADVANTAGES

- **Own CO_2 supply** – no dependence on bought-in CO_2 deliveries
- **Beverage use** – purification to the plant's quality requirement
- **Lower emissions** – process CO_2 reused instead of vented
- **Complete skid** – scrubbing, compression, drying and liquefaction in one package

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

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