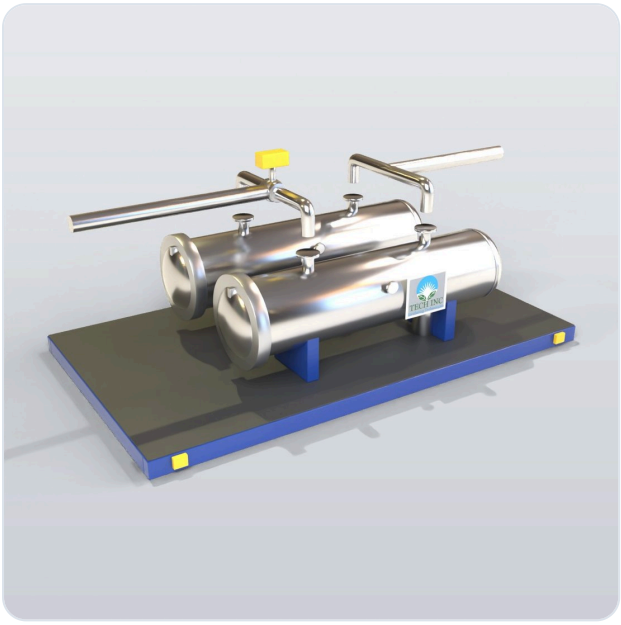
PRODUCT DATASHEET

Filter Separator and Coalescer Skid

Gas and liquid filtration down to 0.3 µm





DETAIL – VESSEL NOZZLES

OVERVIEW

The Tech Inc. Filter Separator and Coalescer Skid removes liquids and solids from gas or liquid streams in pressure vessels supplied as single or duplex skids. Tech Inc. makes both the vessels and the filter and coalescer elements, so housing and element are designed together.

MODELS AND CONFIGURATIONS

- **Horizontal two-stage filter separator** – filter-coalescer elements capture solids and coalesce droplets, and a second stage separates the liquid from the gas.
- **Vertical gas-liquid coalescer** – removes fine liquid aerosols from gas in a compact vertical vessel.
- **Dry gas filter** – removes solid particles from dry gas.
- **Liquid-liquid coalescer** – separates free water from hydrocarbon liquids such as jet fuel and diesel.

TYPICAL DESIGN DATA

Removal	Solids and liquids typically down to 0.3 µm, or to client specification
Pressure class	Typical Class 150 to 2500, or to client specification
Flow	Sized to the duty, or to client specification
Vessel design	Designed to ASME VIII or client specification
Closure	Quick-opening closure for element change
Instrumentation	Differential pressure gauge or transmitter; level control with automatic drain
Materials	Selected for the process fluid and design conditions, or to client specification

APPLICATIONS

Compressor and turbine inlets, metering stations, city-gate stations, amine and glycol units, jet fuel and diesel handling.

KEY ADVANTAGES

- **Elements and vessels from one manufacturer** – housing and element are designed together, with one point of responsibility
- **Easy element change** – the quick-opening closure gives fast access without unbolting a flange
- **Replacement elements for other makes** – Tech Inc. supplies elements for filter vessels from other manufacturers
- **No interruption to flow** – duplex skids with changeover valve allow servicing while the line stays in service
- **Clear element condition** – differential pressure indication shows when elements need changing

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

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