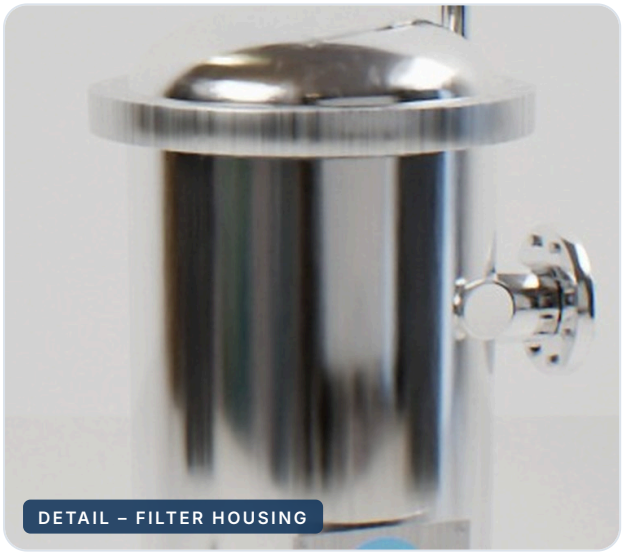
PRODUCT DATASHEET

Gas Coalescer Filter Elements

30-inch interchangeable gas coalescer elements





DETAIL – FILTER HOUSING

OVERVIEW

The Tech Inc. Gas Coalescer Filter Elements remove fine liquid aerosols and solids from natural gas, fuel gas and process gas ahead of compressors, turbines, amine contactors and dehydration units. The lead element, the TI-LG30, is a 30-inch coalescer made as an interchangeable replacement for common OEM designs; it drops into the plant's existing filter-separator housing without modification.

MODELS AND CONFIGURATIONS

- **TI-LG30** – 30-inch gas coalescer element, interchangeable with common OEM housings.
- **Other lengths and end fittings** – made to match the plant's housing, to client specification.
- **Coalescer and pre-filter sets** – coalescer elements with matching particle pre-filter elements where the housing uses both.

TYPICAL DESIGN DATA

Element length	30-inch (TI-LG30), with other lengths to client specification
Fit	Interchangeable replacement for common OEM designs, with dimensions, end caps and seals matched to the housing
Service	Natural gas, fuel gas and process gas carrying liquid aerosols and solids
Media	Coalescing media grade selected for the duty, or to client specification
Seals	Elastomer selected for the gas composition and temperature, or to client specification
Operating limits	Temperature and differential pressure to the housing rating and client specification

APPLICATIONS

Inlet gas filtration at gas processing plants, fuel gas to gas turbines and gas engines, compressor suction protection, amine contactor inlet, glycol and molecular sieve dehydration inlet, and gas metering stations.

KEY ADVANTAGES

- **Drop-in fit** – interchangeable with common OEM housings, with no change to vessels or tube sheets
- **Protects downstream equipment** – stops the liquid carry-over that causes amine foaming and turbine damage
- **Measured from reference elements** – dimensions, end caps and seals checked against the original before supply
- **One source for the gas train** – coalescers, amine cartridges and analyser filters from one catalogue

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

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