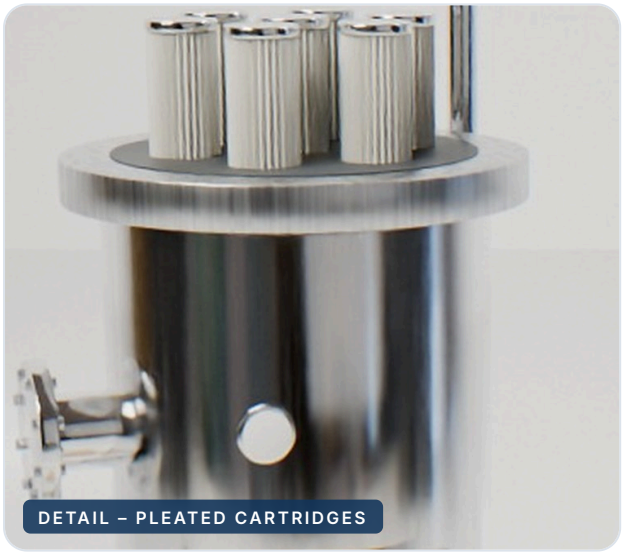
PRODUCT DATASHEET

Pleated Amine Filter Cartridges

36-inch pleated cartridges for amine units





DETAIL – PLEATED CARTRIDGES

OVERVIEW

The Tech Inc. Pleated Amine Filter Cartridges remove solids from the amine solvent circulating in gas sweetening units, where the amine strips H_2S and CO_2 from natural gas. Suspended solids such as iron sulphide and corrosion products stabilise foam, foul exchangers and plug trays, which is why the solvent loop is filtered continuously and its filters load up in service.

MODELS AND CONFIGURATIONS

- **TI-AM36P** – 36-inch pleated amine filter cartridge for gas plant amine units.
- **Carbon bed pre-filter and after-filter duty** – cartridges upstream and downstream of the activated carbon bed, with rating to client specification.
- **Other lengths and end fittings** – made to match the plant's housing, to client specification.

TYPICAL DESIGN DATA

Element length	36-inch (TI-AM36P), with other lengths to client specification
Construction	Pleated media on a rigid core with outer support wrap
Micron rating	To client specification, selected for the solids loading and filter position
Service	Lean and rich amine solvents in gas sweetening units
Seals	Elastomers selected for amine compatibility, or to client specification
Fit	Interchangeable replacement for common OEM designs
Operating limits	Temperature and differential pressure to the housing rating and client specification

APPLICATIONS

Lean amine filtration, rich amine filtration, side-stream filtration before and after the activated carbon bed, make-up amine filtration, and solvent clean-up after process upsets.

KEY ADVANTAGES

- **Fewer foaming upsets** – solids removal keeps the solvent stable and the contactor on specification
- **More media per housing** – pleated construction gives high dirt-holding capacity for the housing size
- **Drop-in fit** – interchangeable with common OEM housings, with no change to filter vessels
- **Cleaner equipment** – less fouling of the lean/rich exchanger, reboiler and contactor trays
- **One source** – supplied with gas coalescers and corrosion-monitoring parts from one catalogue

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

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