PRODUCT DATASHEET

Amine and Solvent Filtration Package

Mechanical and activated-carbon filtration for amine and capture solvents

Product page





Close-up: activated-carbon vessel

OVERVIEW

The Tech Inc. Amine and Solvent Filtration Package keeps amine and other capture solvents clean on a slipstream of the circulating flow. A particle prefilter removes iron sulfide and dirt, an activated-carbon bed removes hydrocarbons and degradation products, and an after-filter stops carbon fines.

TYPICAL DESIGN DATA

Prefilter	About 5 to 25 µm cartridges
Carbon bed	Activated carbon sized for contact time
After-filter	About 5 to 10 µm
Materials	Carbon steel or 316L; duplex on request
Design code	ASME VIII Div. 1
Sour service	NACE MR0175 / ISO 15156 on request

MODELS AND CAPACITIES

- **TI-AFP-1** – about 1 m³/h, pilot plants
- **TI-AFP-5** – about 5 m³/h
- **TI-AFP-15** – about 15 m³/h
- **TI-AFP-40** – about 40 m³/h

Indicative slipstream flows; typically 10 to 20% of the circulation.

ORDERING CODE

Example **TI-AFP-5-F-316**: **5** slipstream flow, m³/h; **F** scope: F full package, P particle only, C carbon bed only; **316** material: CS carbon steel, 316 316L, D duplex.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: duplex prefilters; carbon change-out connections and hoses; sour-service materials; spare cartridges; online turbidity measurement.

KEY ADVANTAGES

- **Stable operation** – less foaming and fouling
- **Complete** – prefilter, carbon and after-filter
- **Longer solvent life** – degradation products removed
- **Spares on hand** – amine filter cartridges supplied

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