PRODUCT DATASHEET

Pressure Leaf Filter Skid

Closed leaf filters for gelatin, edible oil, sugar and chemicals

Product page





Close-up: leaf filter vessel and precoat tank

OVERVIEW

The Tech Inc. Pressure Leaf Filter Skid filters large volumes of liquor in a closed pressure vessel fitted with stainless filter leaves. A precoat of filter aid forms on the leaves, body-feed keeps the cake open, and when the cake is full it is blown dry with air or steam and discharged by vibration or sluicing.

TYPICAL DESIGN DATA

Design pressure	About 6 barg, higher on request
Temperature	Up to about 150 °C
Materials	304 or 316L wetted parts; leaves with stainless mesh of about 30 to 80 µm
Cake discharge	Dry by vibration, or wet by sluicing
Control	Automatic precoat, filtration, drying and discharge sequence
Design code	ASME VIII Div. 1

MODELS AND CAPACITIES

- **TI-PLF-5** – about 5 m²
- **TI-PLF-20** – about 20 m²
- **TI-PLF-40** – about 40 m²
- **TI-PLF-80** – about 80 m²
- **TI-PLF-120** – about 120 m²

Indicative filtration area.

ORDERING CODE

Example **TI-PLF-40-V-D**: **40** filtration area, m²; **V** type: V vertical, H horizontal, T twin; **D** discharge: D dry, W wet sluicing.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: twin filters for continuous operation; polishing filter; heating jacket; hermetic build for solvents; spare leaves and gaskets.

KEY ADVANTAGES

- **Closed** – no spills, vapours kept in
- **Dry cake** – blown dry before discharge
- **Low labour** – automatic cycle and discharge
- **Clear product** – polishing filter after the leaves

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**
Offices: Chennai · Toronto · Tallinn · Al Khobar
mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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