PRODUCT DATASHEET

Polymer Melt Filter

Heated candle and disc filters for polyester and nylon melts

Product page





Close-up: twin housings and changeover valve

OVERVIEW

The Tech Inc. Polymer Melt Filter removes gels, degraded polymer and particles from polyester, nylon and polypropylene melts before spinning, film casting or pelletising. Heated housings hold sintered metal-fibre candles or leaf discs, twin housings with a changeover valve keep the line running while one side is cleaned, and the elements are reused after cleaning.

TYPICAL DESIGN DATA

Design pressure	To about 250 bar
Temperature	To about 320 °C
Filter rating	About 5 to 40 µm, sintered metal fibre or powder
Materials	Housings in alloy or stainless steel; elements in 316L
Heating	Thermal-oil jacket or electric heaters
Design code	ASME VIII Div. 1 or 2

MODELS AND CAPACITIES

- **TI-PMF-2** – about 2 m²
- **TI-PMF-8** – about 8 m²
- **TI-PMF-20** – about 20 m²
- **TI-PMF-40** – about 40 m²
- **TI-PMF-80** – about 80 m², disc type

Indicative filtration area per housing.

ORDERING CODE

Example **TI-PMF-20-C-T**: **20** filtration area per housing, m²; **C** element: C candles, D leaf discs; **T** housings: T twin with changeover, S single.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: spare element sets; element lifting device; cleaning unit or cleaning service; melt pump; element cross-reference to existing filters.

KEY ADVANTAGES

- **Clean melt** – fine sintered media
- **Reusable** – elements cleaned and returned
- **No stoppages** – twin housings with changeover
- **Built for the duty** – high pressure and temperature

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