PRODUCT DATASHEET

Perfume Maceration and Maturation Tank

Jacketed, nitrogen-blanketed 316L tanks for fragrance houses

Product page





Close-up: top fittings, vent and mixer drive

OVERVIEW

The Tech Inc. Perfume Maceration and Maturation Tank holds perfume concentrate and alcohol at a steady temperature under nitrogen while the blend matures. Electropolished 316L, a cooling jacket and gentle mixing protect the fragrance, and the outlet feeds straight into chill filtration.

TYPICAL DESIGN DATA

Material	316L, electropolished inside, Ra about 0.4 µm
Temperature	About 0 to 30 °C, set by the jacket
Blanketing	Nitrogen at a few millibar
Codes and standards	Pressure parts to ASME VIII Div. 1 or PED; electrics to the room hazardous-area classification
Mixing	Slow top-entry or magnetic bottom mixer
Electrical	Flameproof motor and instruments for ethanol areas
Outlet	Sanitary valve to the chill-filtration skid

MODELS AND CAPACITIES

- **TI-PMT-100** – about 100 L
- **TI-PMT-250** – about 250 L
- **TI-PMT-500** – about 500 L
- **TI-PMT-1000** – about 1,000 L
- **TI-PMT-2000** – about 2,000 L

Nominal working volumes.

ORDERING CODE

Example **TI-PMT-500-J-N-M**: **500** working volume, litres; **J** J jacketed, U unjacketed; **N** N nitrogen blanket; **M** mixer: M magnetic, T top-entry, X none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** load cells; twin-tank set on one frame; mobile tank on castors; CIP spray ball and mobile CIP cart; chill-filtration skid.

KEY ADVANTAGES

- **Gentle on the fragrance** – nitrogen blanket, no splashing
- **Easy to clean** – electropolished, sloped to drain
- **Steady temperature** – jacket and controller
- **Ready for filtration** – outlet matched to the chill-filtration skid

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

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