PRODUCT DATASHEET

Essential and Seed Oil Distillation Unit

Steam and hydro-distillation units for frankincense, herbs, spices and seed oils

Product page





Close-up: still, condenser and Florentine separator

OVERVIEW

The Tech Inc. Essential and Seed Oil Distillation Unit recovers essential oils by passing steam through plant material or boiling it in water. The steam carries the volatile oil to a condenser, and a Florentine separator splits the condensate into oil and floral water.

TYPICAL DESIGN DATA

Still volume	About 50 to 3,000 L
Methods	Steam, hydro or steam-and-water distillation
Materials	304 or 316L stainless
Codes and standards	Pressure parts to the client's specification; electrical to IEC 60204-1
Separator	Florentine flask for light and heavy oils
Heating	Steam generator, electric or fired
Control	Temperature and condensate flow

MODELS AND CAPACITIES

- **TI-EOD-50** – about 50 L still
- **TI-EOD-250** – about 250 L
- **TI-EOD-1000** – about 1,000 L
- **TI-EOD-3000** – about 3,000 L

Indicative still volume.

ORDERING CODE

Example **TI-EOD-250-S**: **250** still volume, L; **S** method: S steam, H hydro, C combined.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: steam generator; second condenser for low-boiling oils; tilting still for unloading; trial distillation.

KEY ADVANTAGES

- **Clean oil** – stainless contact parts
- **No solvent** – steam and water only
- **Better yield** – controlled steam and condensing
- **Easy cleaning** – removable basket

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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