

Tulin[®] - Automatic Fat/Oil Extraction System



the essence of innovation

Real Automated Fat/oil Solvent Extraction System (Soxhlet)

Tulin developed a new extraction Generation with the wide unique, real class Soxhlet unit in accordance with the official methods (AOAC, EPA, DIN and ISO).

Application :

Suitable for determination of capacity of quantitative separation total fat/oil content in all type of Solid & Semi Solid Feed, & food sample, Milk Powder & Dairy products, Cereals & its products, Meat & Meat Products, Oil & oil Seeds, Lipids in egg & egg Products, Plant, fodders sample & Many More

System Description :

Model:SOX-6 Six samples Automatic Fat / oil 5 Step Superior Auto Sequence PC compatible Solvent Extraction System with auto time / temperature Microprocessor Programming control With LCD Digital Display system

Instrument based on official 'RANDALL' method accepted by AOAC, GLP, ISO, DIN have capability to perform unattended operation and microprocessor programmable based solvent recovery system All materials are in contact with solvents. We are using suitable Polytetrafluoroethylene (PTFE) high grade material in the solvent area.

MOC: Epoxy painted stainless-steel structure to prevent corrosion

Sample Volume: 0.5 to 15 gm depend upon the sample

Electrical Requirement: 230V/50HZ AC Mains.

Superior Features

- Auto sequence extraction with auto phase changeover of boiling, condensation, rinsing and recovery phases, Auto Alarm for recovery phase, Auto switch at end of extraction procedure, lifting of thimbles to cooling position and shut-down User interface for up gradation of software
- Digital Display System read out for Temperature & Time
- Measuring Range: 0.1 to 100% Oil/Fat
- Temperature Control Range: 35 °C to 280 °C, Temperature Accuracy: ± 0.5° C.
- Accuracy: ± 1% , Repeatability: ± 1%
- Solvent Recovery: 80 -85 % depend upon the sample
- Microprocessor Programmable Automatic collection of recovered Solvent with optical sensor to prevent overflowing of solvent
- Extraction beakers & Nitro Cellulose thimble Size : (33 mm dia X 80mm L) or more
- Speed of extraction 30 - 60 min depend upon sample
- Thimble holder supplied with the system for use of minimum 3 types of thimble
- capability of expansion to 24 sample with single controller/software.
- Instrument have spark proof and embedded heating element software communication ports like USB, RS 483 interface, RS-232 interface system
- Facility for username and password protection.
- Lifting of thimble within the beaker in case of power failure.

Safety Features

- Auto door lock and sealing during extraction. Auto over-temp. Control protection facility.
- Equivalent or ATEX classified components for internal exposed valves,
- IP65 for other internal electronics, IP55 for Liquid and Dust protection Pressurized electronics cabinet Material
- Warning sign Adequately displayed in Digital display
- Auto calibration of heating temperature,
- Auto Error Indication and Sensor Break.
- Auto heater cut-off facility with indicators to save the power.
- Auto alarm for user's attention



Manufactured & Marketed By

Tulin EQUIPMENTS

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**An ISO 9001 : 2015
Certified Organisation**

