



KUMAR's SOLVEx DELSOLVENTIZER TOASTER



SIMPLY SUPERIOR ENERGY-EFFICIENT MEAL CONDITIONING

Joint venture with

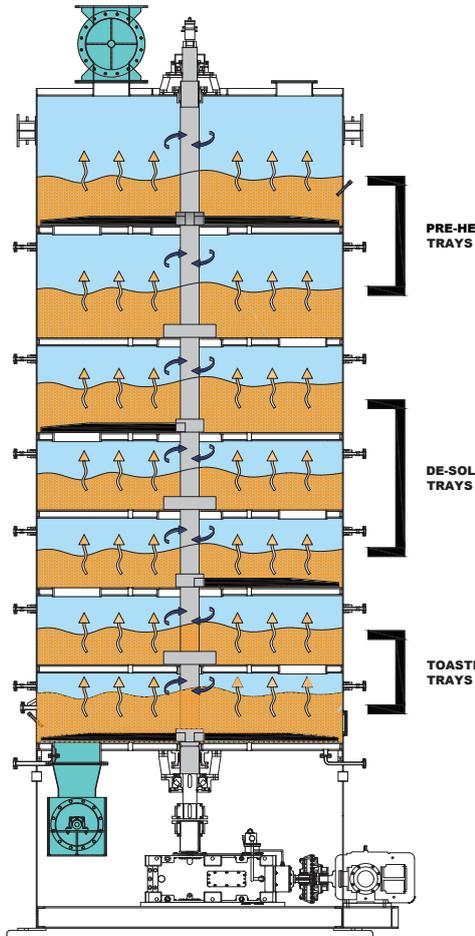


Kumar's SOLVEx Desolventizer Toaster is a vapour tight stainless steel and carbon steel construction in several stages. It has a bottom-driven drive mechanism and pneumatic float and door system to control bed height in each stage for better desolventization and toasting.

WORKING PRINCIPLE

The extracted meal is transferred to the Desolventizer Toaster for removal of entrapped solvent. Desolventized material is conditioned by controlling and adjusting direct and indirect steam. Conditioned toasted meal is then sent to the meal cooling section for further processing.

Desolventization takes place with direct and indirect steam. A specially designed sparge tray adds open steam. It also features a precisely designed duct for vapour space and sufficient vapour space in each compartment.



FEATURES

- Pneumatic float and door assembly to control bed height and uniform discharge of the meal for efficient desolventization.
- Specially designed scrappers with hardened face for minimal wear and tear.
- Maximum heat utilization from vapour reduces steam consumption and ensures better solvent recovery.
- Waste vapour washing system reduces fines and vapours.
- Unique zero vent system for recirculation of vent vapours back to the extractor, ensuring no vapour is vented into the atmosphere.
- Vapour travel area designed for maximum heat recovery.
- Sparge steam tray distributes sparge steam uniformly for complete desolventization of extracted meal and lower hexane losses.
- Steam trays made with boiler quality plates for longevity.
- Shell plates of first two compartments and dome plate are SS construction to minimize corrosion from Hexane vapours.

ABOUT KUMAR

Kumar Metal Industries is a process engineering company manufacturing advanced Oil Mill, Solvent Extraction and Edible Oil Refining plants for companies all over the world. What started as a small fabrication unit in 1939, has grown into an industry favourite that employs over 400, with 20,000 sqm of factory space spread over two locations.

Through our hard work, integrity and emphasis on superior engineering and service, we've gained the trust of more than 500 customers spread over 60 countries worldwide.



KUMAR METAL INDUSTRIES PRIVATE LIMITED

Turnkey Solutions: Oil Mills | Edible Oil Refineries | Solvent Extraction Plants

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