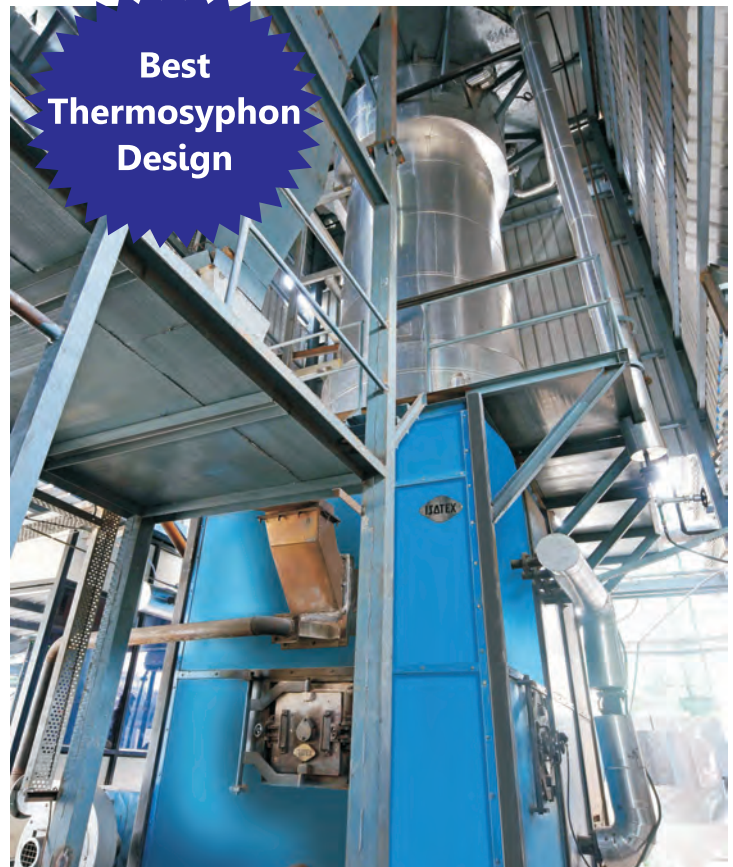


"A technological marvel in Edible oil industries"

■ Thermosyphon concept:

Thermosyphon is a closed loop, high pressure, natural circulation heating equipment

- Thermosyphon uses distilled water as heat transfer medium, this being 100 % non-toxic, there is no risk of contamination in case of leakages - a factor that is of special importance in industries like food, edible oil etc.
- Thermosyphon works on the principle of natural circulation, hence no circulation pump is required.
- Being completely close-loop sealed system there is no danger of corrosion due to entry of oxygen from the ambient air into the system.
- Micro-processor based Control system ensures the temperature of the thermosyphon remains constant by modulating Air - fuel quantity.
- Isotex design with unique vertical evaporator pipes resulting in best performance & very low maintenance.



■ Coal/Biomass fired thermosyphon

Capacity	upto 6 M kcal/hr
Pressure	upto 90 kg/cm ² (g)
Fuel Options:	Imported Coal, Rice Husk, Palm shell, Wood Chips, DOC, etc.
Combustor	Fluidized bed Moving grate Reciprocating grate

■ Saving calculation

		Solid fuel fired thermosyphon	FO fired thermosyphon
Capacity	Kcal/hr	2000000	2000000
Efficiency	on NCV %	80	85
Fuel		Coal (NCV 4500 kcal/kg)	FO (NCV 9650 kcal/kg)
Fuel consumption	Kg/hr	556	244
Fuel cost	Rs/kg	5	20
Fuel consumption/annum	Kg/7200 hrs	4000000	1755562
Fuel cost/annum	Rs/7200 hrs	2,00,00,000	3,51,11,247
Fuel cost saving/annum		Rs. 1,51,11,247	



■ Oil & Gas fired Thermosyphon

- Oil/Gas fired systems with European make burner
- Complete workshop assembly
- 93% efficiency version available



■ Open Steam/condensate cycle

- Natural circulation boiler combined with steam drum
- Delivers dry steam up to 90 bar pressure & 10 ton/hr output



About Isotex

- Establishment in 1978, over 35 years of excellence
- Over 7000 installations worldwide till date
- Over 400 units manufactured annually
- National wide sales, service & spares support, through branch offices & channel partners.
- Leader in design & engineering of boiler & heaters
- Technical know-how from ERK Eckrohrkessel GmbH, Germany
- Isotex manufacturing facilities are spread at various locations Ahmedabad and Dahej in over 60,000 sqm area.



State-of-the art production technology

- ① Fully automated cutting station with plasma and oxyacetylene cutting
- ② Heat treatment furnace, Inhouse heat treatment for stress relieving
- ③ Fully automated submerged arc welding station for high quality of shell welding.
- ④ Inhouse shot blasting facility to take care of rust, corrosion resulting in high quality of surface finish
- ⑤ Automated Membrane Panel welding line for uniform quality gas tight tube-fin-tube welding
- ⑥ CNC Plate bending for rolling thick plates with high dimensional accuracy
- ⑦ Hydraulic bending of tubes - Automated booster bending station
- ⑧ Boiler manufacturing facility at dahej

Sourcing from the best worldwide



Isotex units are made to uncompromising standards of quality. This includes the choice of components we use to go into system. Our accessories and components are selected for their reliability and operating efficiency. This means that you get a complete package of reliability when you buy a Isotex boiler.



ISOTEX CORPORATION PVT LTD

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Plot No.-D-2 / E- 76, Dahej Industrial Area, Dahej Pin. 392 130

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Local Contact :

In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications/information without prior notice.

www.isotexcorp.com