ECO PLUS

WE ARE THE FUTURE IN

FILTRATION TECHNOLOGY



For More Info:
Contact us on **9935518400**
www.ecoplus.in

ECOPLUS AUTOMATIC GRAVITY FILTER

ECOPLUS GRAVITY FILTER is the latest innovation in filtration by ECOPLUS. These filter has been designed for use in the Dewaxing and Winterizing process of vegetable oils.

This specially designed GRAVITY FILTER operates automatically at high efficiency and saves energy to the greater extent.

The ECOPLUS Gravity Filter ensures removal of wax and stearin in a more scientific manner, while preventing oil spillage and requires no manpower.

The clarified winterized oil after filtration through the ECOPLUS Gravity Filter is better as compared to the results obtained from Horizontal Pressure Leaf Filter/ Plate and Frame type filter.

This can be used in processing of all kinds of oil such as Sunflower, Soya Bean, Cotton Seed, Palm and Rice Brain Oil.



PP FILTER PRESS	VS	ECOPLUS GRAVITY FILTER
Open System The Filter has to be opened manually after every cycle to discharge the wax in the tray underneath.		**Closed System** The Filter is simply heated to melt the wax / stearin and transferred directly to the storage tank for onward handling.
High Energy Consumption Significantly higher steam required to melt the wax in the open tray		**Low Energy Consumption** Less steam required to melt the wax in the filter bed itself.
Labour Intensive Dependent on skilled labour to open the filter manually not done in odd hours. Labour is also required to transfer the melted wax and clean the spillage.		**Minimal Labour** No labour required. Can be operated by the Dewaxing / Winterisation helper at any time of the day.
Requires Large Area Larger area requires bigger plant building and hence the cost.		**Requires Smaller Area** Also requires smaller working area.

PP FILTER PRESS

VS

ECOPLUS GRAVITY FILTER

Long Turnaround Time

As it involves opening the filter manually, the usual turnaround time is generally more than 24 hours before the filter could be used again.

Short Turnaround Time

Being a closed system the wax can be discharged rapidly and the filter can be used within 8 to 10 hours, thereby increasing efficiency by more than 100 percent

Significant Oil Spillage

Oil spillage and contamination of the wax every time the filter is opened.

Minimal Oil Spillage

Due to being a closed sytem the wax compartment is separate and there is no oil spillage as well.

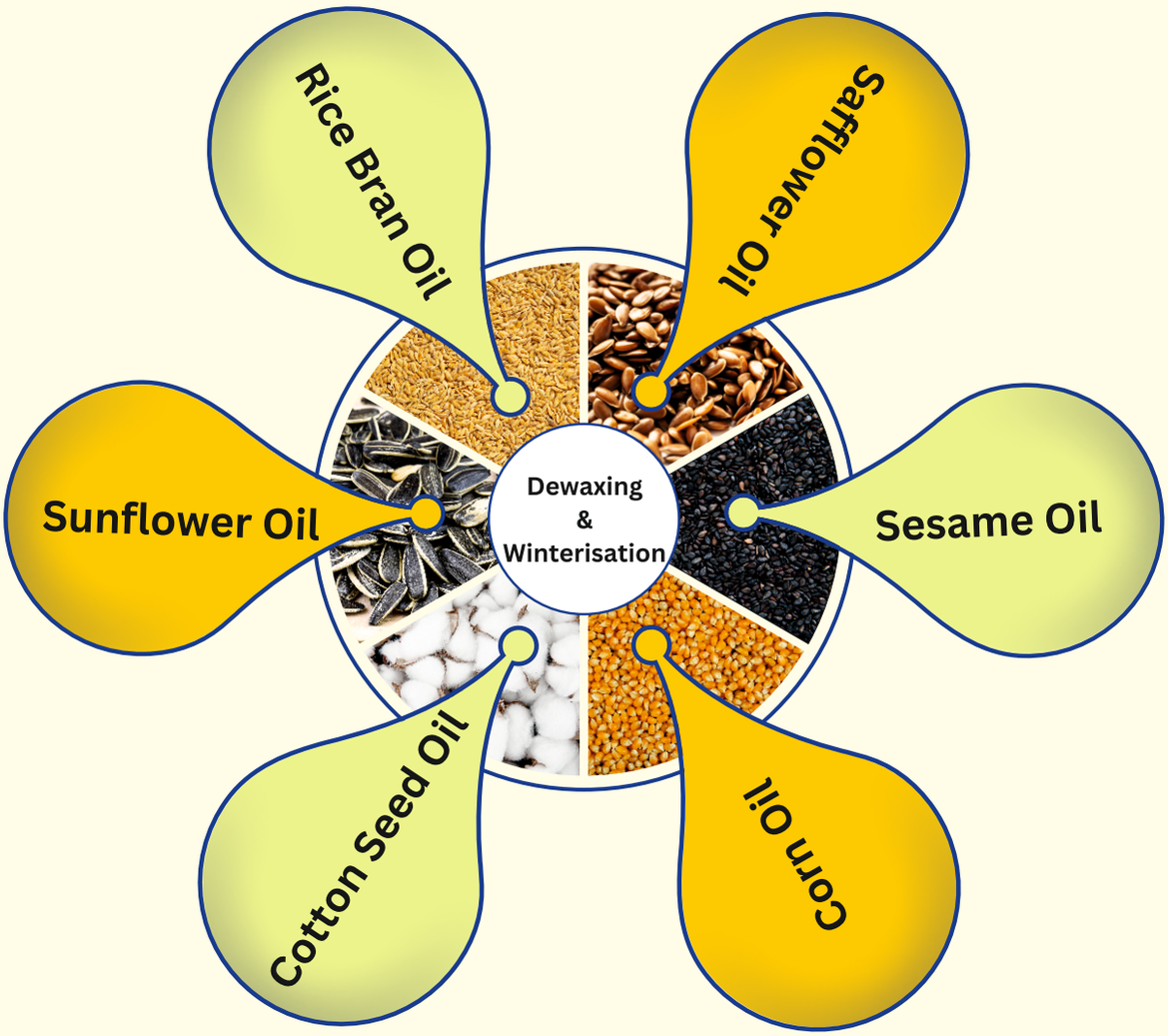
Needs Regular Cleaning

Requires scraping of wax whenever filter is opened. After a few cycles the Filter cloth has to be washed either by removing the cloth manually or online washing with further downtime.
Life of filter cloth is also reduced.

Self Cleaning

The Filter is automatically cleaned everytime the wax is heated and discharge.

Life of filter cloth can be upto 2 years because of no handling of the cloth regularly.



Technical Specification

Air	0.5 bar pressure
Steam	3 bar pressure
Water Temperature	As per process requirement
Pressure	0.1 to 0.6 bar
Temperature	2^0C to 22^0C







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