

**ECO PLUS**

WE ARE THE FUTURE IN  
**FILTRATION TECHNOLOGY**



For More Info:  
Contact us on **9935518400**  
[www.ecoplus.in](http://www.ecoplus.in)

## ECOPLUS AUTOMATIC GRAVITY FILTER

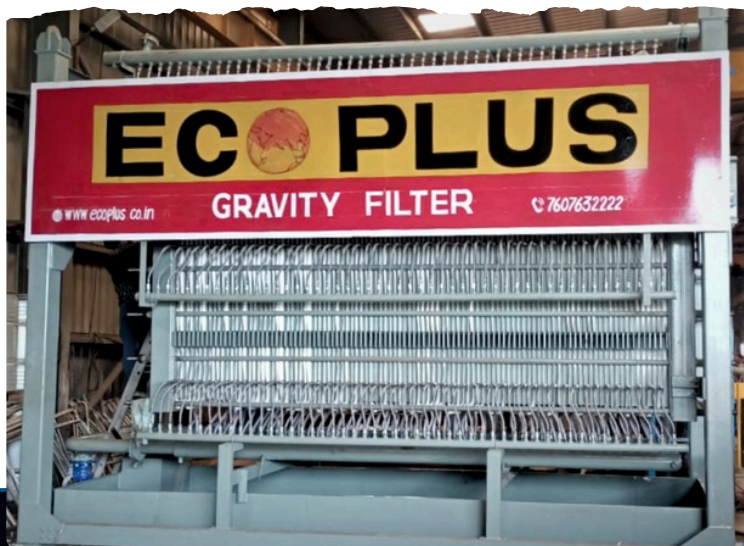
ECOPLUS GRAVITY FILTER is the latest innovation in filtration by ECOPLUS. This filter has been designed for use in the Dewaxing and Winterizing process of vegetable oils.

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

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### 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 system the wax compartment is separate and there is no oil spillage as well.

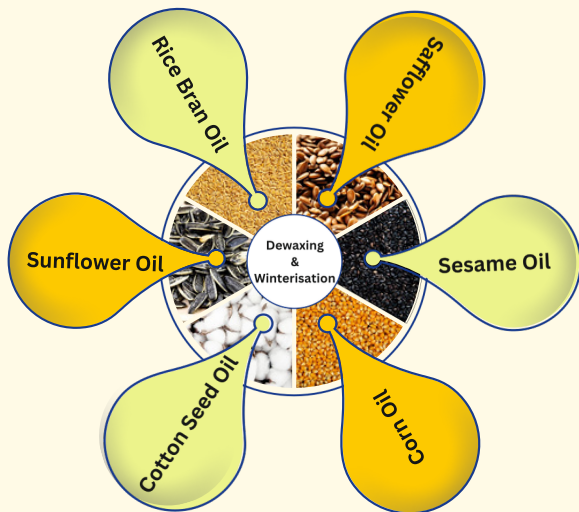
### Needs Regular Cleaning

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°C to 22°C



**Ecoplus Industries Pvt. Ltd.**

Vill. Nangla Bhiku, Dudhaura Road, Prithala, Dist. Palwal (HR)

**Contact : 9935518400 / 7607632222**

Email : [info@ecoplus.co.in](mailto:info@ecoplus.co.in), Website : [www.ecoplus.co.in](http://www.ecoplus.co.in)