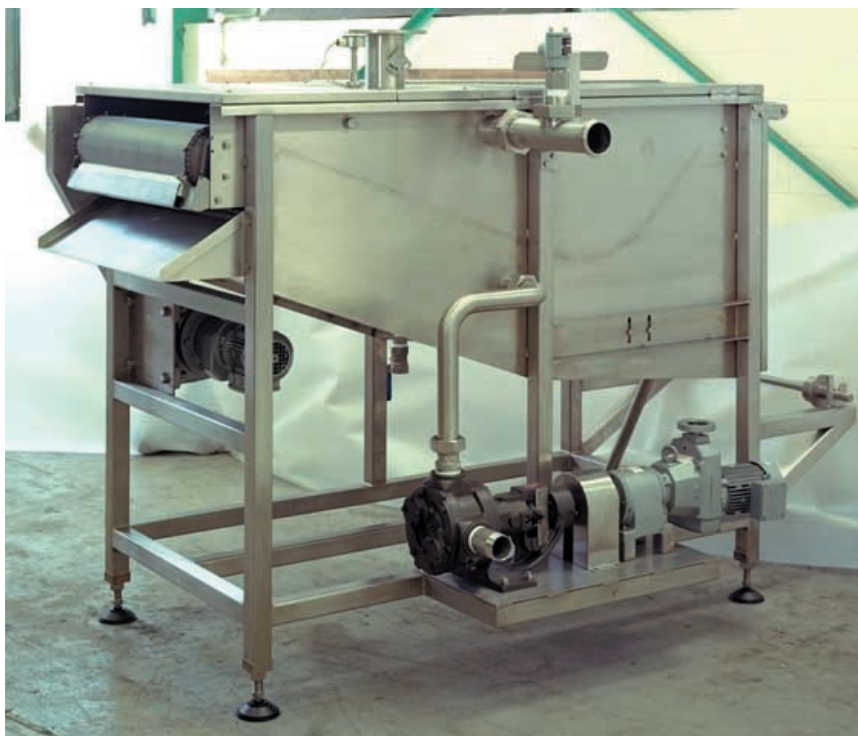


COOKING OIL FILTER SYSTEMS



The Baynflax Cambridge Range manufacture a range of filter systems that whilst primarily intended to work in conjunction with a Cambridge Fryer, can be put into operation with any fryer with a suitable sediment removal system.

It is essential to remove food particles from the oil, because if they are not removed

quickly they will burn completely, become carbonize and eventually pulverize into sub-micron sized particles making their removal impossible.

Selection of the correct type of filter for the application under consideration is one of the key aspects of the process knowledge that goes into the design of a good frying system.

Filter Models

- Canister Filter
- Continuous Paper Filter
- Continuous Belt Filter
- Static Screen Filter



COOKING OIL FILTER SYSTEMS

Canister Filter

Range: **down to 200 micron**

The canister filter can be either Simplex or Duplex, 1 or 2 canisters. The filtrate is pumped into the canister and is retained within the filter element which has to be cleaned during the process. The duplex arrangement provides for cleaning of one of the two elements without stopping the process. Canisters filters are used where small amounts of fine sediment occur



CONTINUOUS PAPER FILTER

Range : **down to 30 micron**

Continuous paper filters operate with a coarse mesh conveying system which supports the filter media as it passes through a trough of contaminated cooking oil. The filtrate is collected on the paper

surface whilst the oil passes through the filter media and its supporting conveyor. The filter media is automatically passed through the filter by signals generated by an oil level sensing system. The used paper is collected in a free standing container for disposal.



CONTINUOUS BELT FILTER

Range : **80 - 200 micron**

Continuous belt filters are very similar in many respects to the paper filter. In this case however a fine stainless steel filter mesh, of between 80 and 200 micron aperture size depending on the application, replaces the coarse mesh conveyor and filter media used in a paper filter. The filtrate which is collected on the surface of the filter mesh is scraped away and deposited in a free standing sediment collection container for disposal.

STATIC SCREEN FILTER

Range: **down to 200 micron**

The Static Screen Filter provides a fixed screen, either stainless steel wire mesh or 'Wedge Wire'. The filtrate which collects on the surface of the screen is scraped away by a chain driven mechanism and deposited in a free standing sediment collection container for disposal.

