

FILTRATION

SHEET FILTERS

Our sheet filters are suitable for the filtration of wine, cider, fruit juices, beer, vinegar and, with an appropriate pump, oils. All the filters operate on the same principle: a series of cellulose-based filter sheets is clamped between filter plates in a way that allows each sheet to operate independently - in parallel.

Filter sheets are available in different grades of porosity and it is therefore possible to use the same machine to achieve different grades of filtration - from coarse filtration to remove visible haze to sterile filtration prior to bottling. The working life of the filter sheets, and the amount of product which can be filtered through a given number of sheets, is determined by the condition of the product and the grade of filter sheets. We give an indication of the capacity of each filter: the higher figures refer to coarse filtration and the lower figures to sterile filtration. These figures are reasonable estimates and may vary between products. Our filters are supplied with clear, easily followed instructions and are quite simple to operate.



Mini jet filter

Ideal for filtration of relatively small quantities of wine. A compact unit with integral 230 volt pump; designed for filtration of batches of up to 50 lit. Uses sets of three pads.

Capacity (lit/min)	Dimensions (W x D x H mm)	Weight (kg)	Stockcode
1.5	300 x 180 x 140	4	95100

VIGO 20cm sheet filter

A 304 stainless steel frame, with plastic plates. Hosetails, pressure gauge and central locking screw as standard. Supplied with or without pump with integral control valve. A full set of plates included in the price (surcharge for steamable noryl plates). These are excellent filters which are easy to operate. Suitable for wine, cider and other beverages. (See opposite for filter sheets).

Model	Capacity (lit/h)	Dimensions (W x D x H mm)	Weight (kg)	Stockcode
6 sheet with 230V pump	150 - 350	420 x 360 x 300	22	95110
10 sheet	300 - 600	430 x 280 x 280	18	95111
10 sheet with 230V pump	300 - 600	500 x 280 x 280	27	95112
20 sheet	600 - 1200	610 x 280 x 280	24	95113
20 sheet with 230V pump	600 - 1200	680 x 360 x 570	35	95114



40cm filter

VIGO 40cm sheet filter

This is a range of filters with a capacity 4 times greater than 20cm filters with the same number of plates. Stainless steel frame, end plates and drip tray; fitted with stainless steel valves (threads to customer's specification), outlet sight glass, sample tap and pressure gauges as standard. Noryl plastic steamable filter plates fitted as standard; stainless steel plates available on request. Capacity about 50 -100 lit/hr per sheet. These filters can be supplied with an appropriate 230V pump mounted on the chassis. The use of a cross over plate permits simultaneous filtration with two grades of filter sheet. (See opposite for filter sheets).

These filters are available with capacities up to 100 plates. 60cm filters are also available.

VIGO sheet filters for oil

With the increasing popularity of British grown vegetable oils, including rapeseed oil and hempseed oil, Vigo offers a range of filters for farm based production of oil.

Size	No of Sheets	Capacity (lit/h)	Max particulate size (mm)	Power	Operating Temp °C	Dimensions (W x D x H mm)	Weight (kg)	Stockcode
20 cm	20	100-360	3	230V / 0.37kW	-10 - +60	500 x 360 x 580	27	95123
40cm	19	100-360	3	230V / 0.75kW	-10 - +40	680 x 880 x 1120	160	95145
40cm	29	100-360	3	230V / 0.75kW	-10 - +40	680 x 880 x 1320	220	95146



FILTER SHEETS

We stock Beco filter sheets in 4 popular grades, 25 sheets per pack. Other grades available to order.



	20x20cm stockcode	40x40cm stockcode
KD3 (coarse)	95903	95910
KD7 (medium)	95904	95914
KD12 (fine)	95905	95912
Steril 60	95906	95915

EARTH FILTERS

For fast, economical filtration of large volumes of beverage, diatomaceous earth filters are the preferred machines. We offer a range of filters suitable for wine, cider, fruit juices and beer. Features include all stainless steel construction, horizontal frames, illuminated sight glasses on inlet and outlet, integral product pump, mixing tank with piston dosing pump, total recovery system for residual product and patented tilting bell to allow easy cleaning after use.

Models from 2m² to 6m². Further information available on request.



CARTRIDGE FILTERS

Cartridge filters have a wide range of applications in beverage production, from coarse filtration of cloudy juices to the finest 'sterile' filtration of wines, ciders and beers. Vigo hold stocks of a range of filters and housings suitable for most beverage filtration applications.

The cylindrical filter cartridge is held in a housing with product inlet and outlet connections. Product entering the housing can only leave after passing through the cartridge.

Housings

Available in three sizes, 10", 20" and 30" and in three materials:

Clear polypropylene - typically used for coarse juice filtration where the user may wish to see the condition of the filter.

Blue polypropylene - usually used when filtering water.



Stainless steel - essential where the filter is to be steamed.



Cartridges

Available in a very wide range of materials appropriate to different applications. Our range includes:

Precision stainless steel wire mesh - for filtration of liquids containing occasional particles, e.g. cloudy apple juice where there is a risk of stray insects. It is strongly recommended that stainless steel mesh cartridges are used in line between juice holding tanks and bottle filling machines. Easy to maintain and very long life.

Spun polypropylene (depth filter) - for relatively coarse filtration from 5 micron down to 0.5 micron. Can be used for filtration of water where there may be a risk of suspended solids. Usually used as pre-filter before a more expensive membrane filter.

Polyethersulphone pleated membrane - for precision final filtration of beverages to ensure the absence of yeast cells prior to bottling, typically down to 0.45 micron. This type of filter is not a substitute for pre-filtration with either a plate, depth or diatomaceous earth filter.



Granular activated carbon cartridges are used for removal of chlorine from water.

Please contact us to discuss your filtration needs.

FILTRATION

STEAM GENERATOR

Steam is the most effective method for sterilisation of filtration and bottling equipment prior to sterile bottling. NB Not all plastic filter plates are suitable for steaming: noryl (fitted as standard to our 40cm filters) can be steamed, moplen should not be steamed.

Turbo steamer produces continuous steam within one minute of switching on, up to a maximum pressure of 2.5 bar. Stainless steel case, mounted on wheels, 5 metre cable, 3 metres of hose and all connections included.

Model	Power (kW)	Voltage (V)	Steam production (kg/h)	Dimensions (W x D x H mm)	Weight (kg)	Stockcode
TD-9	9.9	230 or 400	15	750 x 310 x 680	50	99110/3
TD-13	13.2	400	20	750 x 310 x 680	55	99111
TD-16	16.5	400	25	750 x 310 x 680	60	99112
TD-23	23.1	400	35	850 x 310 x 680	75	99117



TD-16

CROSS-FLOW FILTRATION

We offer the wide range of Spadoni cross-flow filters, ranging from low capacity semi-automatic to fully automatic models. Cross-flow filtration offers one-step filtration to sub micron levels, without the use of consumables. Please ask for further details.

