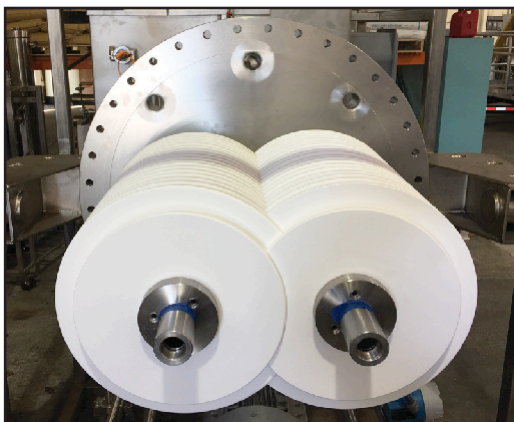
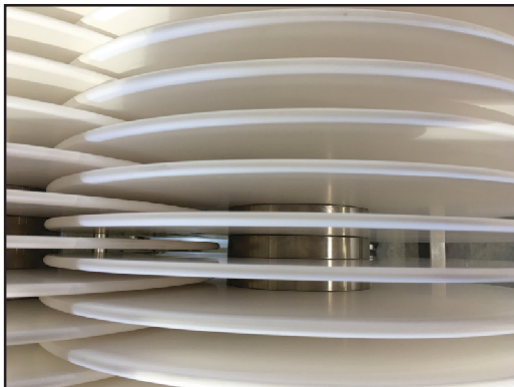
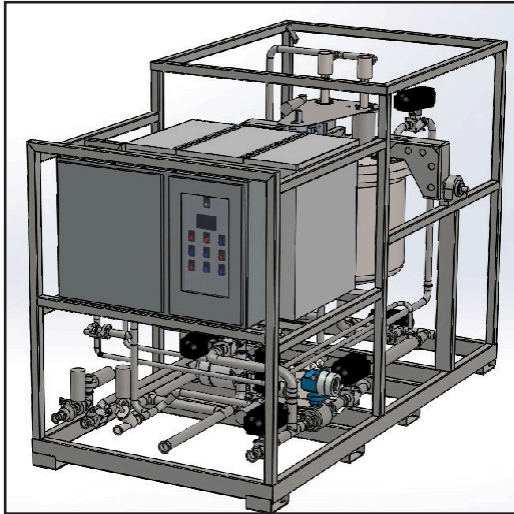


DYNAMIC CROSSFLOW HIGH SOLIDS LIQUID RECOVERY



DYNAMIC CROSSFLOW

The difference between regular and dynamic crossflow (DC) is that in DC, the membrane moves through the liquid rather than the liquid moving across the surface of the membrane. This principle allows for liquids with very high solid content to be filtered. If it can be pumped, the DC system can filter it!

VA Filtration in-house designed and fabricated DC system can successfully concentrate solids up to 70% while recovering a filtered product of less than 0.5 NTU! Due to the positive displacement feed pump, liquids are handled extremely gently (no crossflow pump needed).

The system is manufactured from 316L S/S and does not include any plastic internals within the filter bowl. Discs are available in both ceramic and silicon carbide materials. Full automation is included with options to feed and bleed, batch or recover a pre-set percentage of the liquid from the solids feed stream.

Industries that can potentially benefit from this technology include:

- Food and Beverage
- Industrial Waste water
- Pharmaceutical

THE SPECIFICATIONS

Flow rate:	50–150 gal/ hr (8m ²) - 16m ² also available
Power required—Uninterrupted:	208/240V (20 amp) or 480V (20 amp)
Final filtered quality:	Less than 0.5 NTU
System type:	Dynamic Crossflow
Anticipated recovery:	50–70% on Red wine lees 60–70% on White wine lees
Concentrated lees disposal:	Facility responsibility
On Site Requirements:	Water supply 3 phase power Nitrogen