Filtration Services

Our filtration and membrane technologies can provide options for 'surgical' adjustments, down to the molecular level. From the tried and true crossflow, to the latest ultra-filtration and reverse osmosis membrane technologies capable of taint compound removal and de-alcoholisation.

Crossflow Filtration

In Crossflow filtration, wine passes tangentially across a membrane with a known permeability. This largely eliminates 'filter-caking' experienced with traditional 'dead-end' filtration methods and means Crossflow is a continuous rather than batch process.

Crossflow filtration therefore provides strong advantages, simplifying the steps to processing wines before bottling while reducing or eliminating the need for some consumables. In one step, crossflow clarifies the wine and renders it microbiologically stable for bottling.

Our Mobile Crossflow Filtration units help our clients to cut costs, ensure international product consistency, increase productivity and protect the character of each wine. With Vintech Pacific's cutting-edge technologies you too can drive production costs down and increase profitability.

Microstar Mobile Lab

Microstar is a portable laboratory demonstration of reverse osmosis and ultrafiltration technologies. Our operator brings the suitcase-sized Microstar unit to your winery lab to test the outcome of various membrane processes on a preliminary five-litre sample of your wine.

See and taste realistic results in your wine, when treating for…

- Alcohol Reduction
- Concentration by Water Removal
- Taint Removal (includes 4EP, 4EG)
- Colour Adjustment
- Tannin Adjustment

Based on the outcomes observed with the Microstar lab and the winemakers' tastings, our clients can decide whether and how to proceed with using full-scale MEMSTAR RO and Ultrafiltration technologies – in other words, you can try before you buy!