

FINE WINE



REFINED



**FILTRATION**

[www.vafiltration.com](http://www.vafiltration.com)



## FILTRATION

FINE WINE REFINED

### Welcome to VA Filtration

We have designed & patented unique, mobile filtration services that are effective, efficient and fast.

Since we first introduced the Nanofiltration process into the US wine industry during the late 1990's, we're proud to tell you VA Filtration has lead the way across the US, Australia, Chile, South Africa and Europe in the removal of undesirable compounds and taints from wine.

Our membrane technology is capable of much broader treatments including the removal of Ethanol, 4EP and various taints. It's an amazingly flexible membrane process but it's also gentle, and that's critical when 'fine tuning' your fine wine.

We're mobile and available when you need us. We're quick, we add quality and value to your product, as well as your business, and we don't charge travel costs or on-site set-up fees. We can handle volumes from one barrel to 1,000,000+ Litres, supervising jobs from start to finish and, what's more, you can rent, lease or purchase our system.



### Our Services

- **Volatile Acidity Reduction**
- **Brett (4EP & 4EG) removal**
- **Cross Flow Filtration**
- **Single Barrel Systems (Sweetspotter)**
- **TCA Cork Taint Removal**
- **Lees Filtration**
- **Wine Concentration (Ultrafiltration)**
- **Smoke Taint Removal**
- **Cold Stabilisation**



### Nanofiltration's Big Plus

Compared to Reverse Osmosis (RO), Nanofiltration can use a variety of molecular weight cut off membranes, while RO is set. With appropriate wine temperature and residual sugar levels, Nanofiltration won't process your wine at pressures any greater than 600 psi which is a promise RO cannot make. This is VA Filtration's 'wine first' belief in action.

We're literally 'hands off' as much as possible.



### **VA and Brett Reduction Breakthrough**

After exhaustive testing, in 2004 we developed a membrane that is now perfect for VA and Brett reduction, but a media proven to reduce the 4EP Brett and Brett characters by up to 30% and volatile acidity by up to 40% in a single pass, with little or no effect on the wine.

### **Gentler Engineering**

System wise, we believe it's the gentler the better. To begin with, all our systems are virtually a 'once-through' and, thus, add no stress to the wine. Added to that, we control treatment pressures using gravity fed, diaphragm pumps wherever we can.

In our VA reduction process, a unique resin minimises the de-acidified permeate's pH recombining with wine, which means less wine 'shock'. For Brett specifically selected media on the permeate side absorbs 4EP without effecting the ethanol, acid and pH.

Our years of design, then testing has realised a system that gently and efficiently removes VA and 4EP while maintaining wine quality. Or, as we like to say; fine wine, refined.



### **Mobile Cross Flow Filtration**

Our Lo-Cross-Flo mobile microfiltration system uses a dead-end filtration mode, where no wines cross the membrane.

Utilising the considerably increased surface area, to compensate for any loss in flow rate, we can feed semi dead-end, as well as have a lower flux rate per m<sup>2</sup> with an immediate lower trans-membrane pressure. The filtered solids within the membrane can be backwashed into a system storage tank where it can be further filtered using cross flow filtration.

Ultimately this system, creates a far gentler, one-step filtration for your wine.



### **Single Barrel Sweetspotting**

The wine industry worldwide is falling in love with this innovation. A mini-nanofiltration process, developed in collaboration with US wine company D'Vine Intervention, and designed to reduce both VA and 4EP in single barrel volumes. Ideal for sampling your vintage, we've christened it the 'Sweetspotter' and from the rave reviews it's already getting, it's living up to its name.





---

#### **VA Filtration South Australia / Victoria**

Matthew Hooper

Phone/ Fax 088 562 1139  
Mobile 043 813 1551  
Postal address P.O. Box 794, Nuriootpa, South Australia 5355  
Email [matthew@vafiltration.com.au](mailto:matthew@vafiltration.com.au)

#### **VA Filtration Western Australia**

Ragan Wood

Phone/ Fax 08 8562 1139  
Mobile 0438 121 210  
Postal address P.O. Box 169, Cowaramup, Western Australia 6284  
Email [ragan@vafiltration.com.au](mailto:ragan@vafiltration.com.au)

#### **VA Europe**

Matthew Hooper

Phone/ Fax 088 562 1139  
Mobile 043 813 1551  
Postal address P.O. Box 794, Nuriootpa, South Australia 5355  
Email [matthew@vafiltration.com.au](mailto:matthew@vafiltration.com.au)

#### **VA Filtration USA**

Bryan Tudhope

Phone 1 800 577 1220 Ext 800  
Fax 707-552-3871  
Postal address P.O. Box 6799 Napa, CA, 94581  
Physical address 106 Dodd Court, American Canyon CA, 94503  
Email [vafiltration@msn.com](mailto:vafiltration@msn.com)  
Direct Sales [bryan@vafiltration.com](mailto:bryan@vafiltration.com)

#### **VA Filtration South Africa**

Hardy Laubser

Phone +27 83 406 8652  
Fax +27 21 875 5464  
Postal address P.O. Box 212, Somerset West, 7129  
Email [hardy@vafiltration.com](mailto:hardy@vafiltration.com)

#### **VA Filtration South America (Chile / Argentina)**

Juan Pablo Cintolesi

Mobile +56-9-94380721  
Email [jpchile@vafiltration.com](mailto:jpchile@vafiltration.com)



**FILTRATION**

---

[www.vafiltration.com](http://www.vafiltration.com)