

The Performing Seal

VC tank leak detection

Variable Capacity (VC) tanks are famous for leaks in the sealing ring, resulting in damages to your wine. The Performing Seal by Liqisis continuously manages seal pressure in up to 5 tanks and alerts you to large leaks.



Why use the Performing Seal

The seals in VC tanks are the most unreliable parts of the tank. Leaks can occur in the seal itself, the pump, or any of the connections. If the seal deflates, then the contents of the tank are exposed to the air. If not detected soon enough, this can lead to a total loss of the contents, or a significant decrease in wine quality. If the wine is lost, the flow-on effects can be major – for any winery it represents a direct loss, but the indirect costs could be even more significant. For a small winery it could be the loss of an entire vintage of a wine and the loss of customers, requiring significant effort to get the wine re-listed in future years.

VC seal pumps are expensive to purchase and maintain, and are fiddly to use. Compressed air systems are quick, but can lead to seal damage if pressures are too high, and they all still require regular checking of the seals.

The Advantage

The advantage of the Performing Seal system is:

Connect your tank to the supply line and it will be up to pressure within 30 seconds. The pressure is kept within a predetermined band so tank seals will always be kept inflated. To deflate, just disconnect. Tanks can also be disconnected without deflation, for example in a small winery when VC tanks are moved around the winery.



Detecting Leaks

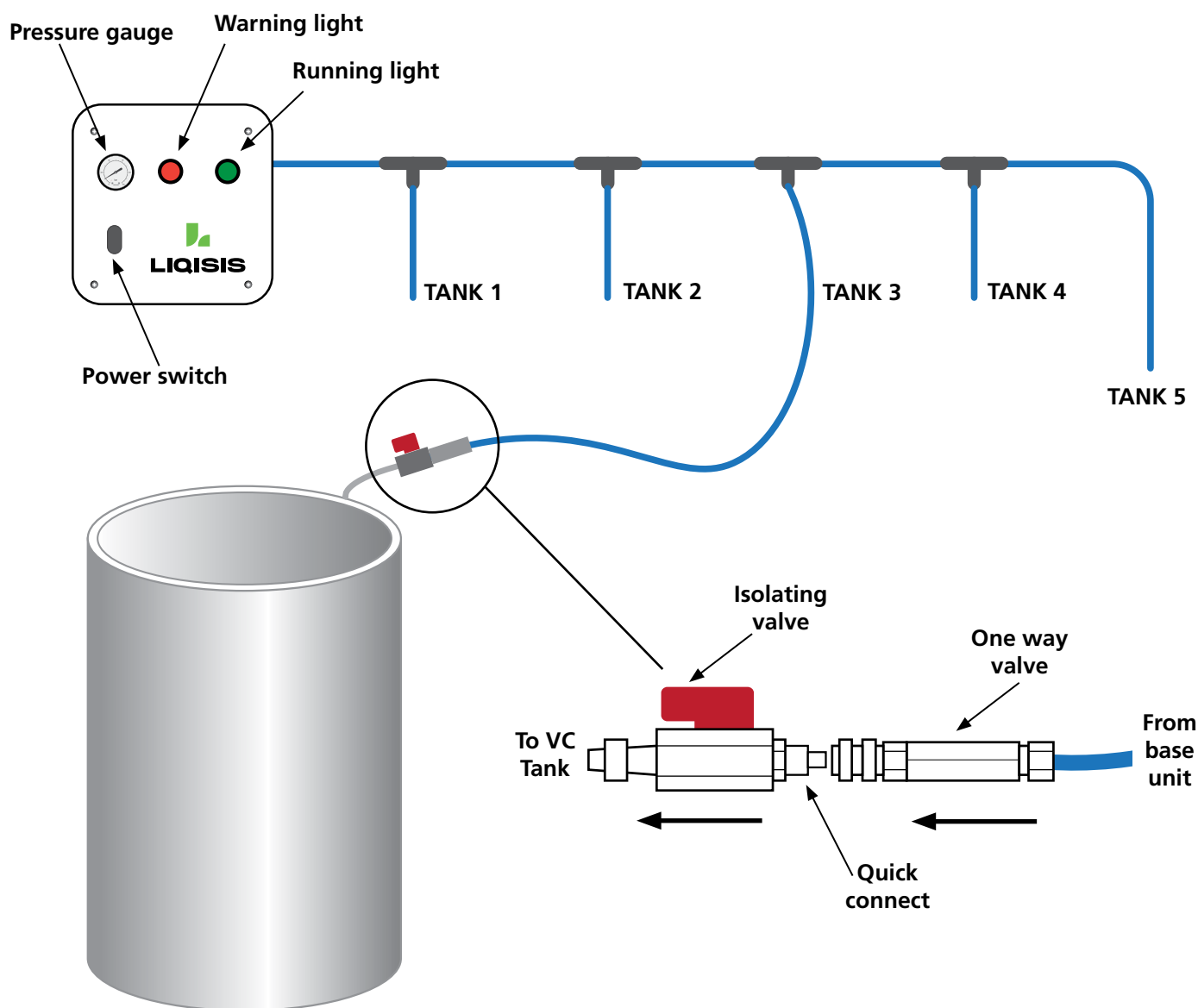
VC seals deteriorate over time and are easy to damage. The Performing Seal system monitors inflation time as a leak check.

- If the compressor is operating repeatedly this may indicate a minor leak.
- If the compressor runs for longer than 5 minutes, the compressor is switched off to protect the unit.
- In either case, an alarm buzzer and flashing light let you know something is wrong.
- The design of the system prevents the other tanks from losing pressure if there is a leak in one tank.

- If the system alerts you to a leak, it is simple to isolate tanks so you can identify which tank needs attention.

Summary of Features

- Continuously maintains seal pressures
- One-handed operation to inflate and deflate
- Alert system for minor and major leaks
- Made in Australia, by winemakers, for winemakers



For more information, call 04 390 3577 or email info@grapeworks.co.nz

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