

Chemical free solids removal from washdown water

# Process Water Filter & Clarifier for Australian Wineries

**ENVIRO**  
australis

## What does the PWFC filter do?

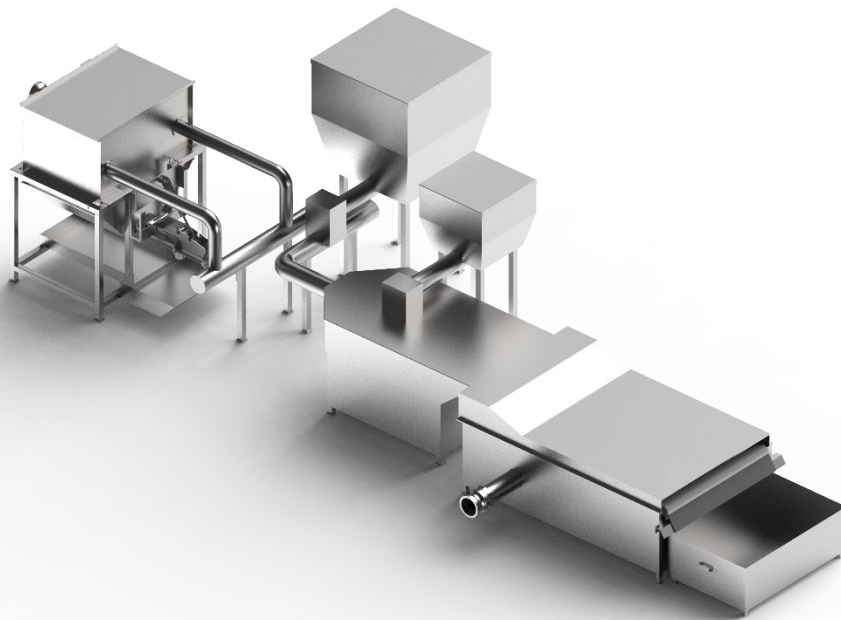
The first stage PWFC process separates organic solids and litter to 50 microns, collected solids are extruded and removed as dry cake. Filtered water flows immediately on to stage two for clarification.

## What does the PWFC clarify?

Winery washdown water is full of colloidal suspended solids. A colloid is a microscopically small substance and in wineries often shows as colour. The second stage PWFC process reduces colloids, result - clearer, cleaner water.

## Biological Oxygen Demand

The term biological oxygen demand (BOD) is used to describe and quantify the likely consumption of O<sub>2</sub> by that organic matter. In other words, how much DO<sub>2</sub> is required to achieve a balance, so that water is healthy, free of noxious odours, aquatic life thrives and is re-useable.



## Enviro PWFC Process

### REAL TIME TREATMENT

Water processed on discharge.

### SAFER ODOURLESS STORAGE

Reduced BOD that causes foul odours, less pond storage required.

### WATER RE-USE AND COMPOST

Removed organic solids composted, treated water re-used as Class B.

## Other Winery Solutions

The Enviro DO2 F-1 is a new Australian device that reduces biological oxygen demand using micro bubble science to increase dissolved oxygen in tanks and ponds, reducing noxious odours.



## Enviro PWFC Benefits

The PWFC is designed specifically for the water management challenges faced by the wine industry and completes the two-stage filtration and clarification process as washdown water flows from drains. Bi-products are Class B water and organic cake suitable for composting, maximizing value of processing water.

## Contact Us

For PWFC design solutions, technical information & sales enquires contact Enviro Australis.

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