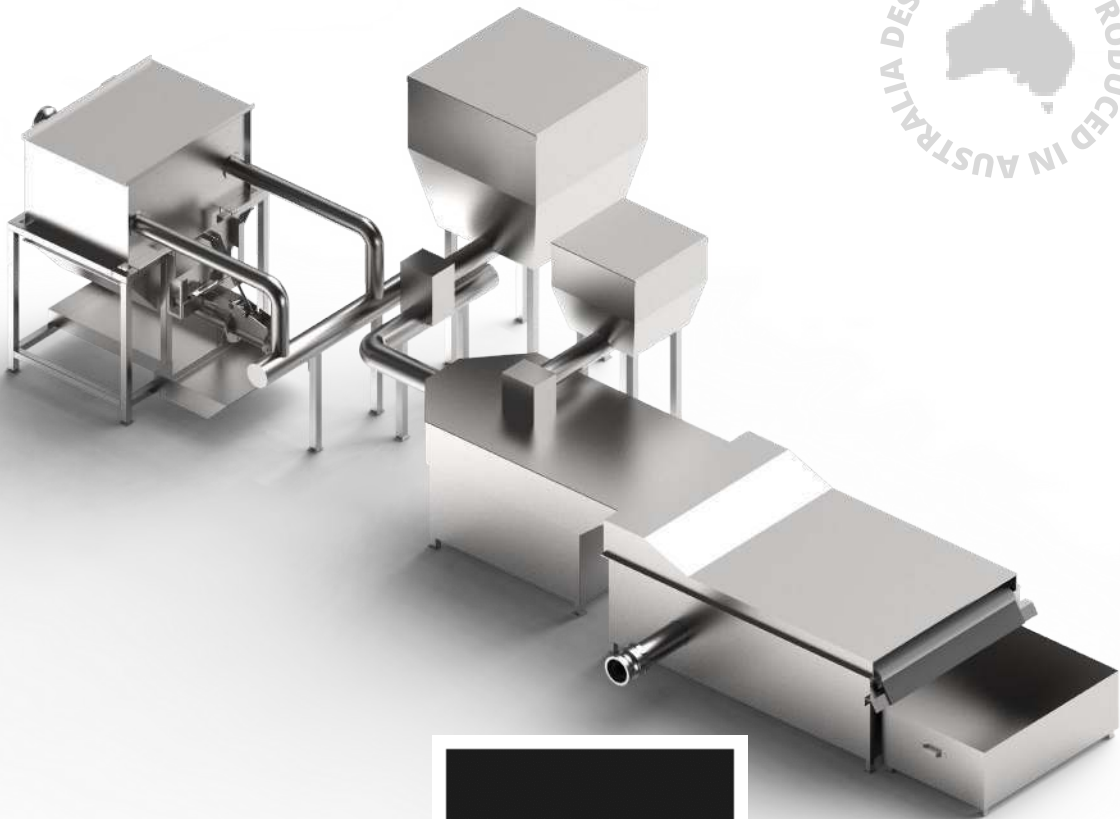


PWFC-10 THE PROCESS WATER FILTER & CLARIFIER MADE FOR AUSTRALIAN WINERIES



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.

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australis



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.

BENEFITS FOR WINEMAKERS

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.



- | | | |
|---|---|---|
| 1 Continue wine processing | > | easy to install with a small footprint and single-phase power |
| 2 Washdown as usual | > | cleaning processes remain the same no additional effort |
| 3 Pump water from sump | > | washdown water collected in sump and pumped to PWFC |
| 4 To first stage filtration | > | solids are filtered to 50 microns water flows on to stage 2 |
| 5 Organic solids are removed | > | removed solids extruded as dry cake for composting |
| 6 Second stage clarification | > | colloidal suspended solids that discolour water are removed |
| 7 Clarified water flows to pond | > | clarified water is safely stored odour-free in ponds or tanks |
| 8 Class B water ready for re-use | > | low BOD water can be re-used for washdown or irrigation |

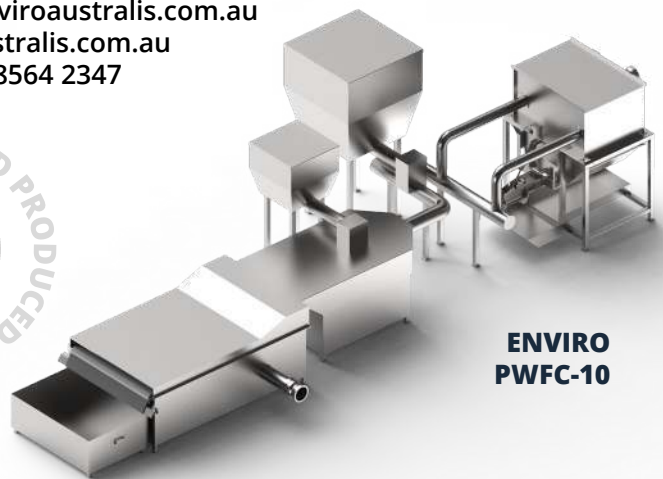
BIOLOGICAL OXYGEN DEMAND EXPLAINED

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

PWFC outputs are low BOD water which has no foul odour and is safe to re-use.

ENVIRO PROCESS WATER FILTER & CLARIFIER – PWFC-10 MADE FOR AUSTRALIAN WINERIES

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PWFC-10**