



*Recycling Water Naturally*

## BioFlo Biofilters for Cleaning and Recovering Nursery Runoff

Nursery run-off is increasingly becoming the focus of environmental regulators because of its potential to pollute natural waterways, due to the high levels of nutrients it contains.

*BioFlo Pty Ltd* provides environmentally sound and cost-effective peat-based biofilters that remove

- **nitrogen** (ammonia, nitrate, nitrite and amines),
- **phosphorus** (phosphate and polyphosphates),
- **heavy metals** (such as copper, cadmium and zinc)
- **suspended solids** and
- **plant pathogens** (pseudomonads, *Pithium species*, *Phytophthora species*, *Fusarium species* etc)

from collected nursery run-off.

***BioFlo* biofilters allow recovery and re-use of all run-off from the nursery, substantially reducing total demand for water. The filters are passive, low cost, low maintenance systems that last more than 10 years before peat replacement is required.**

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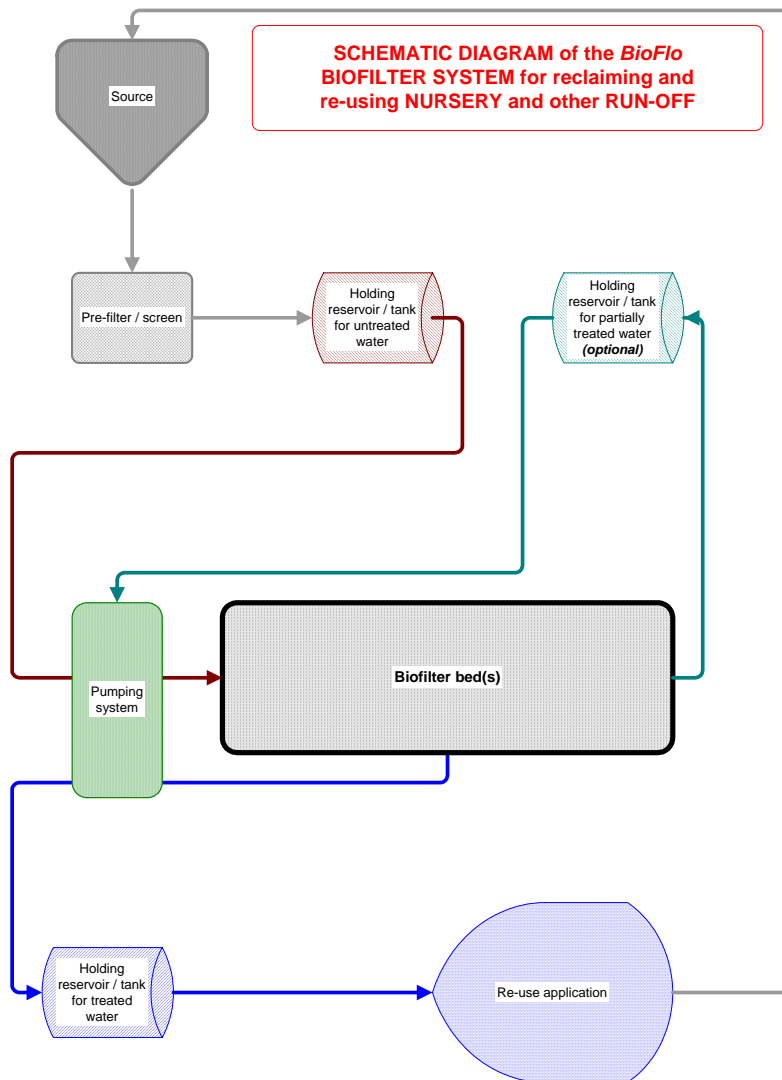
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*BioFlo Pty Ltd is a member of the Biogreen group of companies*

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### Schematic Diagram of the *BioFlo* Biofilter for Nursery Run-off



#### Performance and Capacity:

##### *BioFlo* biofilters

- can produce water up to **Class B or Class A standard**, depending on the quality and flow rate of the input water.
- operate at flow rates of up to **10 L per square metre** of biofilter area per minute, with a biofilter depth of 800 mm.
- treat water to the indicated level for **less than \$60 per megalitre**, on a total life cycle cost basis over the 15 year warranted life of a typical installation.