

# Ecofinity Iron Removal Filters

## Chemical Free, Maintenance Free, Water Filtration

**The Ecofinity Filter is the ultimate chemical free, electricity free, operator free, borewater filtration system**

Combining a range of innovative features, the Ecofinity Filter:

- Removes all iron and reduces manganese, dissolved gases, suspended solids
- Automatic filtration, backwashing and discharge cycle requires no operator
- No valves or moving parts avoids breakdowns and maintenance
- No running costs, the filter is driven by hydrostatic pressure from the bore/water pump (no electricity)
- Sized to treat from 20 KL to 4800 KL per day (larger on application)
- Suited for all potable water, process water and wastewater.



**10-20KL/day system**

### Three Key Benefits of Ecofinity Water Filters

1

#### Low Cost

- No chemicals
- No operator
- No electricity
- No moving parts

2

#### High Efficiency

- Removes Iron
- Reduces Manganese
- Reduces Dissolved Solids
- Reduces Suspended Solids
- Reduces Dissolved Gases

3

#### Simple & Reliable

- Quick to commission
- Robust outdoor design
- Minimal maintenance
- Automatic full cycle filter

To find out more call **1800 207 009**

### MODULE SIZES



**2400 KL/day system**

Flow rate, KL/day	Shape	Dimensions	Height with piping
10-20	Circular	Ø 0.7 m x 2.1 m	4.1 m
100-200	Circular	Ø 1.5 m x 2.5 m	4.8 m
200-300	Rectangular	1.2 x 1.45 x 2.4 m	5.5 m
1,200	Rectangular	3.0 x 2.4 x 2.9 m	5,9 m
2,400	Rectangular	6.1 x 2.4 x 2.9 m	5.9 m
4,800	Rectangular	12.2 x 2.4 x 2.9 m	5.9 m

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# Ecofinity Water Filters

## Chemical-Free, Hassle-Free, Water Filtration

### OPERATIONAL CONDITIONS

- Best when Alkalinity >50mg/L (higher the better)
- Feed water pressure at ground level of 450kPa
- Backwash consumes between 0.5% to 3% of the total water volume
- Duration of backwash is between 75-240 seconds
- Polypropylene filtration media never needs replacing
- Aerator needs periodic cleaning bi-annually
- Modes of operation either continuous or periodic
- System is suitable for indoor or outdoor use
- Complete kit and guides for installation and commissioning
- Performance Guarantee available
- Financing available



4800 KL/day system

### Ideal Solution For:

Municipal Potable Water and Wastewater, Industrial & Commercial Process Water, Livestock & Irrigation, Aquaculture, Pre-filtration to RO system

### RESULTS

Parameters	Unit	Groundwater Quality	Filtrate Quality	Comments
Iron	mg/l	From 0.3 to 80	< 0.3	Any forms of iron are removed by the filter
Manganese	mg/l	From 0.05 to 7	< 0.5	May require additional oxididation
pH	-	From 5.8 to 8.2	6.5 - 8.3	At lower pH values, pH correction may be required
Hydrogen Sulphide	mg/l	From 0.1 to 9	< 0.030	Removed by aerator / degasifier
Free carbon dioxide	mg/l	From 1.0 to 300		Removed by aerator / degasifier
Suspended and dissolved solids	mg/l	From 1.5 to 50	< 1.5	Removed by filter

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