

WATER SOURCES

Sea Forest

East coast, Tasmania · 4 × FW350

Overview

Sea Forest grows seaweed in tanks on Tasmania's east coast, on seawater pumped straight from the ocean. Four Filtaworx FW350 automatic filters strip out the organic and inorganic material before it reaches the tanks.



The Results

4 × FW350

Each on its own pump and controls

900 m³/h

Rated flow per filter

120 µm

Screen on the seawater supply

50 kPa

Differential that triggers automatic backwash

The Challenge

Sea Forest is an Australian company working to reduce livestock methane emissions. It helps farmers and industrial partners decarbonise with seaweed cultivated at its site on the east coast of Tasmania.

The seaweed grows in many tubs and tanks, all fed with seawater drawn directly from the sea, and all organic and inorganic material has to come out before it reaches them. Storms, tidal swings and shifting sand make that harder, changing both the quality of the water and how steadily it arrives.

The Solution

Four Filtaworx FW350 Automatic Self-Cleaning Screen Filters, each with a 120 micron screen.

Each filter has its own pump and its own electrical controls, and the system operates at about 400 kPa. A backwash is triggered by both elapsed time and a 50 kPa pressure differential, so the screens are cleaned on schedule and whenever a storm lifts the solids load.

Each FW350 is rated for 900 m³/h, with 12,170 cm² of filtration area and an operating pressure of up to 10 bar.

THE FILTER IN THIS INSTALLATION

Filtaworx FW350

DN 350 · Hydraulic drive

filtaworx.com/products/automatic-filters/fw350



On Site



TALK TO US

Have an application like this one?

Send us your flow rate, line pressure and what needs filtering out.
We'll size it — and say so if we're not the right fit.

sales@filtaworx.com · filtaworx.com



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