

MINING

Coal Mine Wash Plant

Queensland, Australia · 2 × FW200 + 2 × FW150

Overview

Coal fines and sediment in the service and gland water put pumps and seals at risk across a Queensland coal wash plant. Four Filtaworx automatic filters now keep that water clean without operators isolating and cleaning strainers by hand.

The Results

4

Filtaworx filters across service and gland water

Continuous

Filtered water supply through every cleaning cycle

Reduced

Manual screen cleaning and operator intervention

Protected

Pumps, seals and downstream equipment



The Challenge

Coal wash plants are a harsh place for water. Service water picks up suspended solids, sediment and coal fines, and at this plant the same supply also feeds the gland water system.

Gland water goes straight to pump seals, so whatever the filtration misses ends up in the equipment the plant depends on. Conventional strainers catch it, but they have to be isolated and cleaned by hand, again and again.

The replacement had to survive mining conditions, keep the water supply running, protect pumps, seals and downstream equipment, and run automatically with minimal operator intervention.

The Solution

Four Filtaworx Automatic Self-Cleaning Screen Filters: two FW200 and two FW150.

Mixing the two sizes let each filter be matched to the service water and gland water demands at different points in the wash plant.

Each filter cleans its screen automatically and keeps delivering filtered water through the cleaning cycle. Operators no longer isolate strainers to clean them, which suits a plant that runs continuously.

THE FILTER IN THIS INSTALLATION

Filtaworx FW200

DN 200 • Hydraulic drive

Also installed: Filtaworx FW150

filtaworx.com/products/automatic-filters/fw200

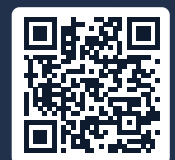


TALK TO US

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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