

Coal producers around the world are striving to increase the efficiency of their plants through modern preparation processes. The focus here is on improving profitability and avoiding environmental damage. It is therefore of particular importance to make fine coal economically exploitable and to minimize the loss of coal and thus, the amount of tailings. A crucial component for this is the availability of cost-efficient, high-performance filtration technology.

BOKELA offers plant operators the right solutions for all challenges. Leading global coal producers rely on the robust and reliable BOKELA filtration technologies.

Fine Coal

Our BoVac Disc filters are well established on many coal washeries in the dewatering of fine coal and are considered as a benchmark for the state of the art. When moisture in the range of 20 to 30 wt.-% is sufficient, the BoVac Disc filters are unbeatable in the filtration of fine coal in both CAPEX and OPEX.

Lower residual moisture is achieved with our innovative BoHiBar Disc filters. They are the right solution when dry coal with a moisture content of 15 to 20 wt.-% is needed.

Very low residual moisture contents can be achieved with BoHiBar Disc Filters if they are equipped for steam pressure filtration. This unique process is the most economical choice for obtaining very dry coal with a residual moisture content of less than 15 wt.-%. A thermal drying is no longer needed, then.

Coal Tailings

BoVac Disc Filters are also used for the filtration of coal tailings. They deliver results that meet all requirements for a dry landfill of the residues and are convincing in these applications with top marks in terms of CAPEX and OPEX.

When the clay content is high and lower moisture is required, our innovative BoHiBar Disc Filters are the best choice for coal tailings filtration.



Applications:

- fine coal
- coal tailings

Main benefits:

- high throughput
- low costs with regard to CAPEX and OPEX
- minimal maintenance
- highest availability
- small footprint
- lowest residual moisture possible by steam pressure filtration
 - no thermal drying required
 - "Waste to product"

