

CASE STORY

Enjoy all these benefits when you choose a Bernoulli filter

- Simple and ingenious cleaning function
- Low and constant pressure drop
- Low flushing pressure
- Easy installation
- Excellent corrosion resistance
- Robust and reliable

Tanjung Bin Power Plant, Malaysia



Malaysia experiences increased electrical power consumption and to meet the needs several large power stations have been developed. Tanjung Bin 3x700 MW Power Station is Malaysia's first coal-fired power station and the first unit thereof was taken into operation in 2006.

Protecting heat exchangers

The operation of the power plant requires a huge amount of cooling capacity and this is provided by sea water cooling of the process water, by heat exchanging. However, the plate heat exchangers cannot be directly operated with sea water as incoming cooling medium because of the natural debris, sea weed, mussels, etc., that is taken in along with the sea water.

The solution

By installing six BSG 500 Bernoulli Filters with 2,0 mm titanium filter baskets, filtering of up to 20,000 m³/h sea water has been enabled. Hence, prerequisites have been ascertained for problem free operation of the heat exchangers and thus for provision of enough cooling capacity for the plant

Facts and figures

Customer: Tanjung Power Plant
Location: Johor, Malaysia
Application: Sea water for cooling in power plant
Filter model: 6 x BSG 500
Filtration: 2 mm
Operating flow: 6 x 3180 m³/h
Design pressure: 6,5 bar
Operating pressure: 2 bar
Year: 2004



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SYSTEM