

**BoVac Disc filters are modern high-performance vacuum disc filters which set new standards with their reliability and cost-effectiveness. They are characterized by extraordinary performance, an extremely large filter area and low space requirement. With regard to filtering and dewatering large quantities of suspension, these filters are unbeatable.**

BoVac Disc filters are synonymous with high-performance filtration, reliability and economy in many industries and applications. Engineers around the world appreciate ease-of-use and ease-of-maintenance. When they talk about their experiences with our filters, it is quick and concise: "Switch on and forget".

Due to the typical BOKELA design BoVac Disc filters have outstanding hydraulic properties. Thus, the pressure losses of these vacuum filters are minimal and the pressure difference, which is effective on the filter cloth, is up to 100 % higher than with conventional disc filters.

All components such as filter segments, shaft, filtrate pipes, control head, drive unit and filter trough have been systematically developed. The consequences are extremely high specific throughputs, intensive cake dewatering, high operational reliability as well as low maintenance and low operating costs. The fully automatic operation and the large performance reserves allow a particularly good adaptation to process variations. BoVac Disc filters are therefore characterized by a high degree of flexibility.

BoVac Disc filters are available in various sizes and filter areas up to 352 m<sup>2</sup> per filter unit. Due to the modular design with different diameters and variable number of filter discs, BoVac Disc filters can be adapted to specific process conditions.

#### **Applications of the BoVac Disc filter:**

- Alumina



- Coal
- Potash/Fertilizers
- Base Metals
- Tailings

**BoVac Disc filters are characterized by:**

- up to 100 % more throughput than conventional disc filters
- very small footprint due to large specific filter surface
- fully automatic operation
- high flexibility due to extremely good adaptability to process fluctuations
- safe operation and high availability
- easy and fast filter cloth change
- low maintenance costs
- fiber-reinforced polymer segments of less than 10 kg in weight (optional)
- ... runs and runs and runs ...

