



WELCOME TO FRANKE FILTER

FRANKE FILTER GmbH is a German industrial company specializing in the manufacture of oil mist separators. Thanks to our extensive market knowledge, we are able to achieve the highest quality standards and offer customized solutions. The range of applications for oil mist separators varies from lubricating oil tanks of water, gas and steam turbines to compressors, gas and diesel engines, pumps and generators. Locations of use include hydroelectric power stations, power plants and refineries as well as turbine manufacturers.

At FRANKE FILTER, we have been developing, designing and manufacturing oil mist separators in a very flexible and customer-oriented way for over 30 years. This allows us to incorporate our know-how and many years of market experience into the development of premium products and implement solutions that are individually tailored to each application, true to the motto: „clean air creates atmosphere“.

FRANKE FILTER does not only contribute to environmental protection through their products. Since 2021, our company has also been environmentally certified in accordance with DIN EN ISO 14001:2015. In order to supply you with the best possible products, we manufacture according to the latest quality standards. Each individual part and the finished system are subjected to precise and comprehensive quality controls in accordance with DIN EN ISO 9001:2008.

In consultation with our customers, we offer individual solutions for every specific application and, on request, we can carry out the assembly of the filter systems on site.

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OIL MIST SEPARATORS

WITH SPECIAL SOLUTIONS FOR HYDRO TURBINES



Maintain additives in lube oil
Adjust exact vacuum at each bearing
One separator - connect it to one or more bearings



OIL MIST SEPARATORS FOR HYDRO TURBINES

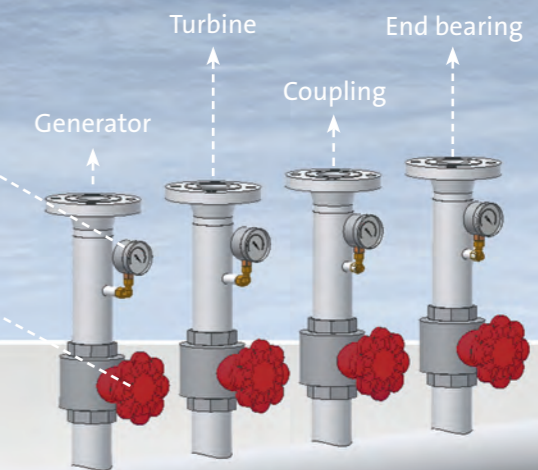
in hydro and pump-storage power stations



VACUUM AT FOUR BEARINGS AND MORE

VACUUM GAUGE
shows vacuum at
the corresponding bearing

VACUUM REGULATION
vacuum can be adjusted separately and
precisely for each bearing



CLEAN ENERGY - PURE AIR

Special execution

The structure of a hydro turbine in a hydro or pump-storage power station differs fundamentally from a gas or steam turbine in a conventional power station.

Similar to gas and steam turbines, another oil mist separator then filters the emerging oil mist from the lube oil tank.

FRANKE FILTER has developed special components for this application. With their help, up to four bearings can be filtered. Vacuum gauges with an appropriate regulator per branch pipe allow exact separate adjustment of vacuum for each bearing.

The result
30,000 hours and more of maintenance-free clean air for an environmentally-friendly energy generation.

MICROSCOPICALLY FINE

It all depends on the filter

Specially developed microfibre filter cartridges are responsible for the precise filtration process. Thanks to their unique properties they guarantee a smooth operation and high separation efficiency during more than 30,000 operating hours. And, even more importantly, they are almost maintenance-free.

Easy replacement

The underpressure gauge on the filter system will tell you when it is the right time to replace the filter cartridges. This is necessary as soon as the microfibrils are almost completely clogged with dirt and lube oil particles. The replacement is done in a few simple steps. The oil mist separator is ready for use again in a very short time, ensuring a constant vacuum and consistently high quality of lubricating oil.

