

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

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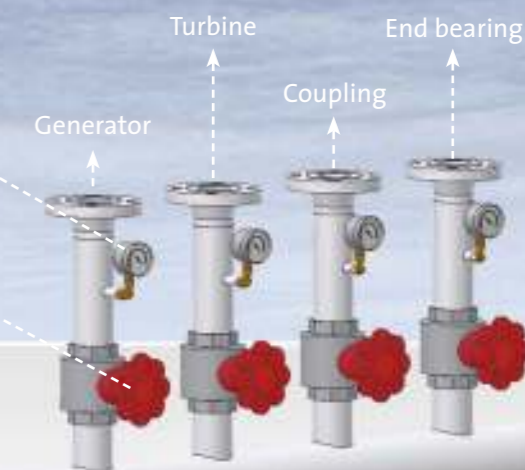
in hydro and pump-storage power stations



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



ENVIRONMENTALLY-FRIENDLY ENERGY-PURE

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.

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. Similar to gas and steam turbines the

further most oil mist separator filters the emerging oil mist from the lube oil tank.

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

MICROSCOPICALLY FINE

Specially developed micro fiber filter cartridges allow a precise filtration process. Due to their particular properties they guarantee a trouble-free operation and high separation efficiency during more than 30,000 operating hours. And which is more-almost maintenance-free.

The underpressure gauge on the filter system will give you the necessary information as for the appropriate time

for the replacement of filter cartridges. This is required when the micro fiber is almost entirely clogged with impurities and lube oil particles.

The replacement process is very easy. After a few minutes the oil mist separator is again ready for operation ensuring constant depression and the continuous excellent quality of lube oil.





WELCOME TO **FRANKE FILTER**

Back in 1989, the company was founded in Holle as **FRANKE Mess- und Filtersysteme** focussing on the manufacture of customised, high quality oil mist separators for power plants and turbine manufacturers in Germany and its neighbouring countries. With its relocation to Bad Salzdetfurth in 1996 - a brand new office and assembly hall were erected - and its change of name to **FRANKE FILTER GMBH** in January 2001, the clean solution could be offered to customers in Europe and all over the world.

At **FRANKE FILTER** we are committed at providing you with active environmental protection. In order to achieve the best possible results we manufacture according to the most up-to-date standards.

Being both the designer and a specialised manufacturer of oil mist separators **FRANKE FILTER** has gained valuable experience for almost 25 years through personal customer contact for all conceivable applications concerning separation of oil mist.

We look forward to having a share in the growing importance of environmental protection.

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