HYDRO POWER SCREW KWKS

Sustainable and Environmentally Friendly Energy

Generating Green Energy

It has only been 20 years since this technology was converted to be used as a power generator which was originally used in the sewage and water transportation fields. The original intent of this Archimedean design was to lift water. Now it's been transformed into a power generating device called the Hydro power screw.

Advantages of this proven design include its low manufacturing costs, efficiency, and the overall simplicity of the entire system; as well as allowing migrating fish to pass safely downwards.

The efficiency of the **KUHN** Hydro power screw KWKS is roughly 85 percent.

Some outstanding features of the **KUHN** Hydro power screw include its minimal impact on the environment and its long lifespan. The high quality of all components and the main **KUHN** Hydro power screw ensures a competitive economical use and secures your long lasting investment.

Possible Applications

- Implementation as a residual water turbine
- Former irrigation channels
- Replacements for
    - Small Hydroelectric stations
    - Defective water wheels
- Use of sewage plant clean water discharges

The main problem for small hydroelectric plants is their high maintenance due to cleaning of their downstream debris filters. This is not a problem for the Hydro power screw because debris can easily be transported downstream and the use and instillation of fine filters is therefore eliminated. The Hydro power screw is limited to an elevation change of 8 meters and a water flow rate of 10 m3 /s.

Your Advantages

- Low initial investment
- Low maintenance cost
- High operation reliability
- High efficiency, even at low capacity
- No fine filters necessary
- Fish friendly
- Refined and proven design
- Long lifespan
- Optional with heat exchangers to recover water heat
- Applicable in remote world areas where fossil fuels are scarce and expensive

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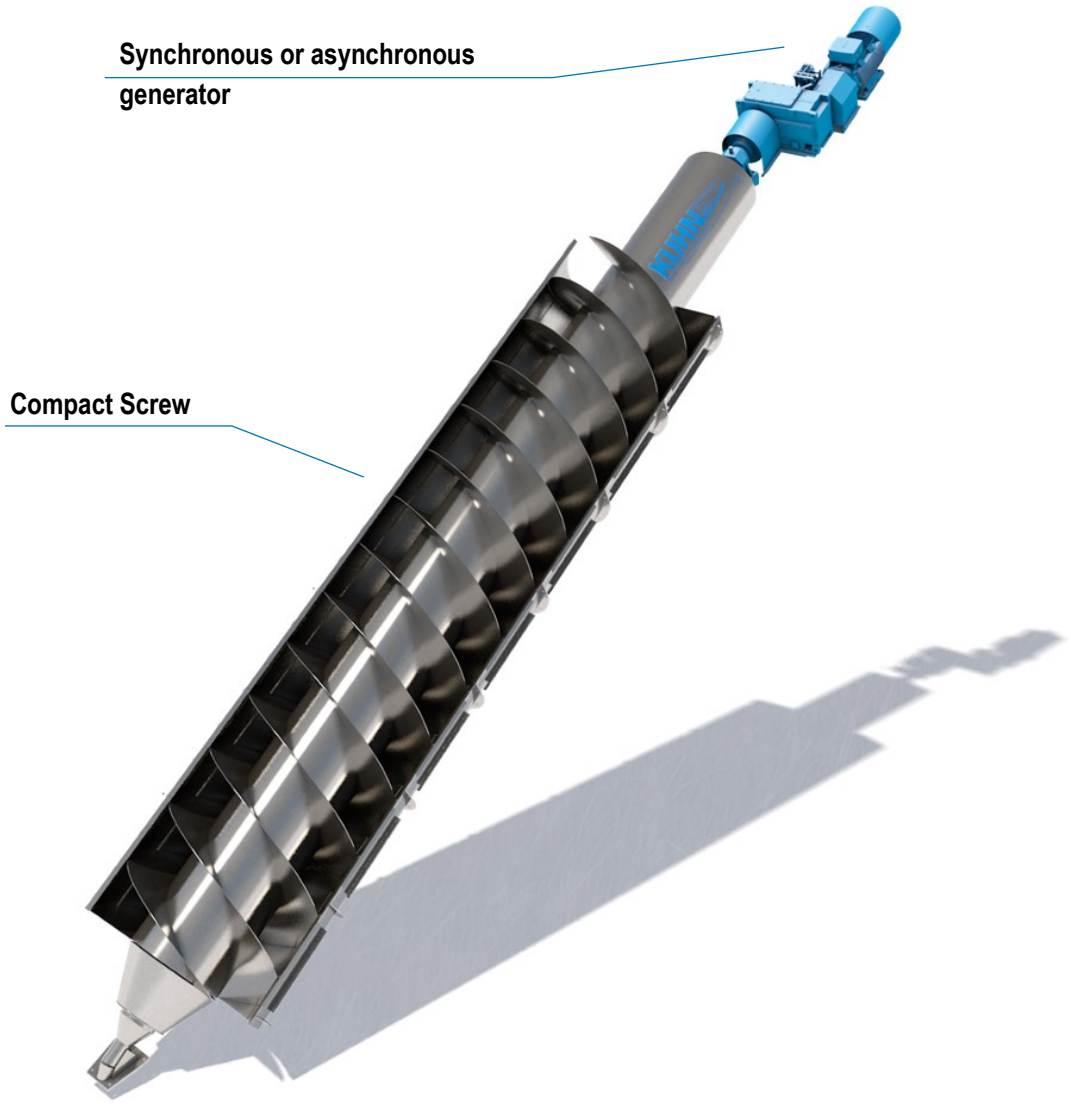

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