Designing and manufacturing of Francis turbines

Suitable for a very large range of heads and flows; able to meet different power requirements. With achievable turbine efficiencies of the turbine of over 93%, Francis turbines are the most widely used turbines. Siapro designs and manufactures vertical- and horizontal-axis Francis turbines with rated power of up to 10 MW. We offer proven technology for the best energy yield results.

Your main benefits when choosing a Siapro turbine:
- Our own design and production, wide choice of configurations
- 3D modelling for perfect design
- 3D, 5-axis CNC machining for perfect manufacturing
- Different runner material choices for the best cost-benefit result
- Special heat treatment of runners for very high heads
- Reliable, standard industrial components for a high lifetime expectancy.
The Francis turbine made by Siapro is designed for the following conditions:

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<thead>
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<tbody>
<tr>
<td>Flow:</td>
<td>from 20 l/s</td>
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<tr>
<td>Net head:</td>
<td>from 5 m</td>
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<tr>
<td>Rated power:</td>
<td>up to 10 MW</td>
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3D modelling
- Quality starts already with the design.

Main characteristics, production and commissioning:
- A wide range of configurations
- CNC machined or welded runners to meet all budgets
- Turnkey project supply, including the control system and grid access solutions
- A standardised manufacturing process to secure high quality of the end product
- Turbine efficiencies from 85 to 93%.

Siapro has more than 25 years of experience. We offer consulting, engineering services, production and implementation. Numerous reference projects are a reflection of trust in our services and products. We also provide Pelton, Kaplan, and Crossflow water turbines.

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