

minihydraulic

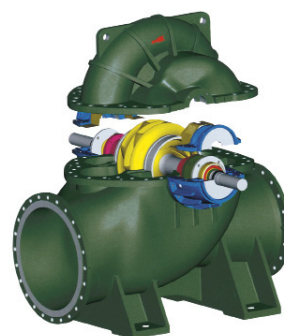
C2BIS regulation station

Description

The main transport, distribution and supply pipes connected to the integral water cycle have, in the majority of cases, an excess of static pressure. This pressure is dissipated via the use of intermediary transfer tanks, pressure regulating valves or any other device which produces the energy loss required to adjust the pressure level to the system's demand curve. This excess of hydraulic energy can be used to generate electric energy.

References

The Micro-hydraulic centre C2BIS, is the first Energy Recuperation facility in Spain which uses the Pumps as Turbines system. The centre provides clean electric energy taking advantage of the available hydraulic conditions of the site. The pumps as turbines system designed allows energy recuperation in a variable flow regime, always maintaining a performance greater than 80% as this is the perfect nexus between energy production and the use of the supply networks.

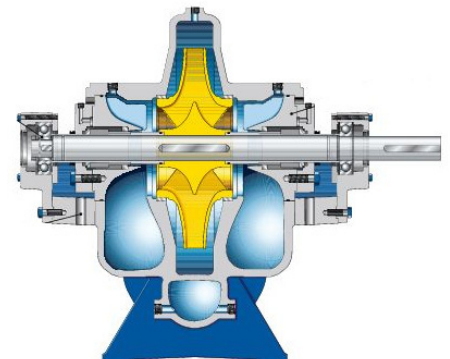


C2BIS

- Regulation station.
- Discharge to back pressure.

Application technologies

- Turbine Cross Flow.
- Hydrokinetic Turbine.
- Picoturbine Aqualogy.
- Microturbine Aqualogy.
- Floodable Turbogenerator.
- **Pump as Turbine.**
- Direct coupling to Turbo machines.



Contact

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Central Microhidráulica C2BIS Bombas funcionando como turbinas

