

Product Name :
Pelton And Francis Turbine

Product Code :
Fluid Equipments0022



Description :

Pelton And Francis Turbine

Technical Specification :

Pelton And Francis Turbine

Specification: **Pelton And Francis Turbine**

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- Comparison of a Pelton turbine as impulse turbine and a Francis turbine as reaction turbine
 - Operation by use of the Turbine Supply Unit
 - Turbine load by use of the Universal Brake and Drive Unit
 - Constant torques and speeds can be adjusted
 - Transparent front panel in the turbines for observing the operating area
 - Adjustable nozzle needle for setting different nozzle cross-sections (**Pelton turbine**)
 - Adjustable guide vanes for setting different angles of incidence (**Francis turbine**)
 - Pressure sensor at the Francis turbine for measuring the pressure at the turbine outlet
 - Digital display for flow rate, pressure and temperature
 - Braking torque and speed measured

Technical Data

- Transmission ratio between brake and turbine: 1,44:1

Pelton turbine

- Output: 1,5kW at 2750min-1 at 6,5bar
- Wheel diameter: 165mm
- Variable nozzle setting

Francis turbine

- Output: 1kW at 3500min-1 and 4,2bar
- Rotor diameter: 80mm
- Variable guide vane setting

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