NAUGRA®

Product name:	Product code:
Pelton And Francis Turbine	Fluid Equipments0022



Description

Pelton And Francis Turbine

Technical specification

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

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