

Product Name :
Operating Principle of a Francis Turbine

Product Code :
Fluid Equipments0018



Description :

Operating Principle of a Francis Turbine

Technical Specification :

Operating Principle of a Francis Turbine

Specification of **Operating Principle of a Francis Turbine**

- Function of a Francis turbine
- Transparent front panel for observing the operating area
- Loading the turbine by use of the band brake
- Adjustable guide vanes for setting different angles of attack
- Marking on brake drum for non-contact speed measurement

Technical Data

Turbine

- Output: 12W at $n=1100\text{min}^{-1}$, approx. 40L/min,
- $H=8\text{m}$
- Rotor, 7 blades
- Blade width: 5mm
- External diameter: 50mm
- Guide vanes: 6 vanes, adjustable (20 stages)

Measuring ranges

- Braking force (spring balance): 10N
- Pressure: 0...1,0bar

Civil Mechanical India

Website: www.civilmechanicalindia.com, **Email:** export@civilmechanicalindia.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, +91-0171-2601773