



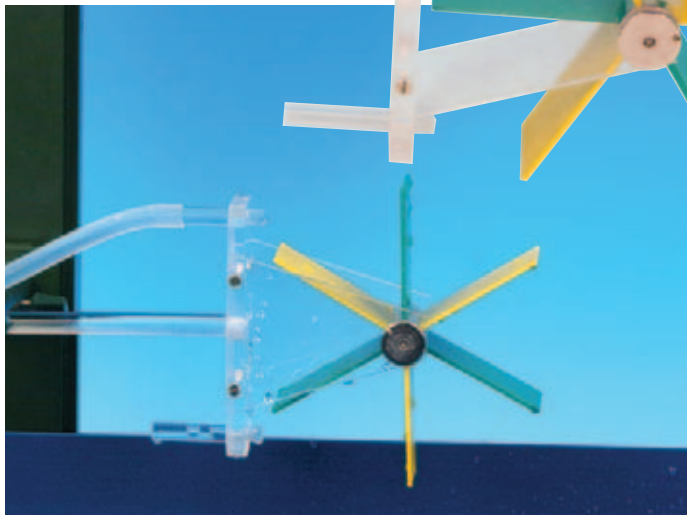
hydrodynamics

DT730-1W Waterwheel

Acrylic model on support, $D=10$ mm, $L=145$ mm, two hose connectors ($D=8$ mm) for use as either over- or undershot waterwheel, 6 painted plastic vanes (70×40 mm each) with lateral pulley
Waterwheel $D=138$ mm
Total dimensions:
approx. $290 \times 140 \times 65$ mm



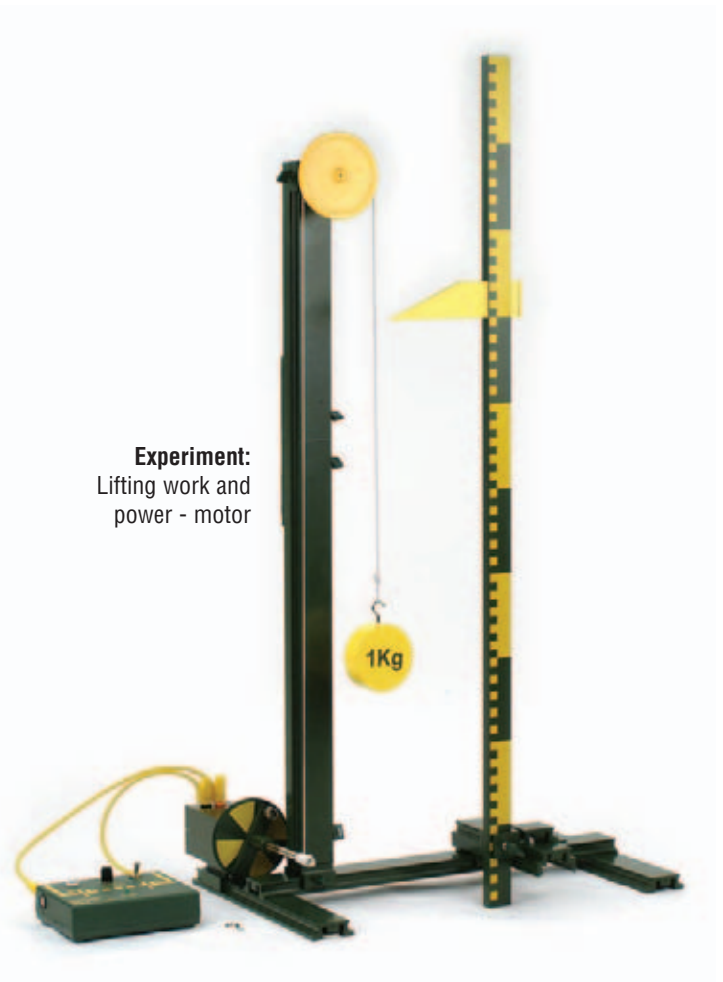
Experiment: Undershot waterwheel



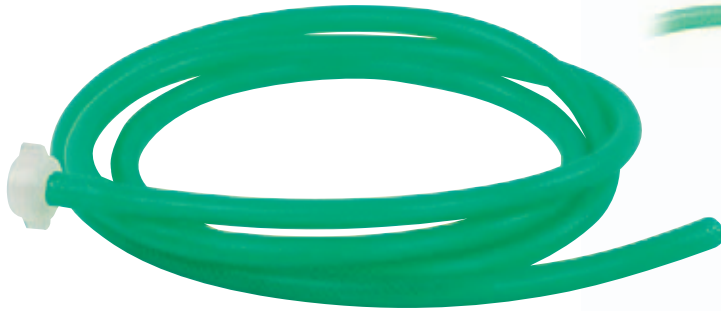
Detail:
Overshot
waterwheel



Experiment:
Lifting work and
power - windmill



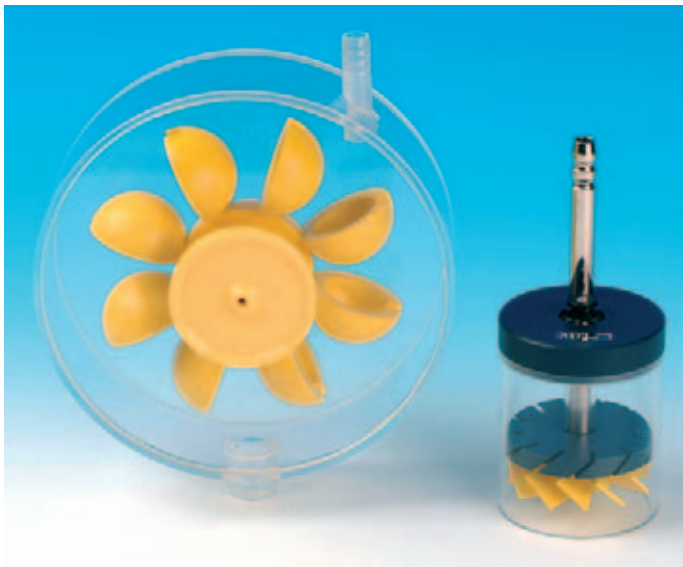
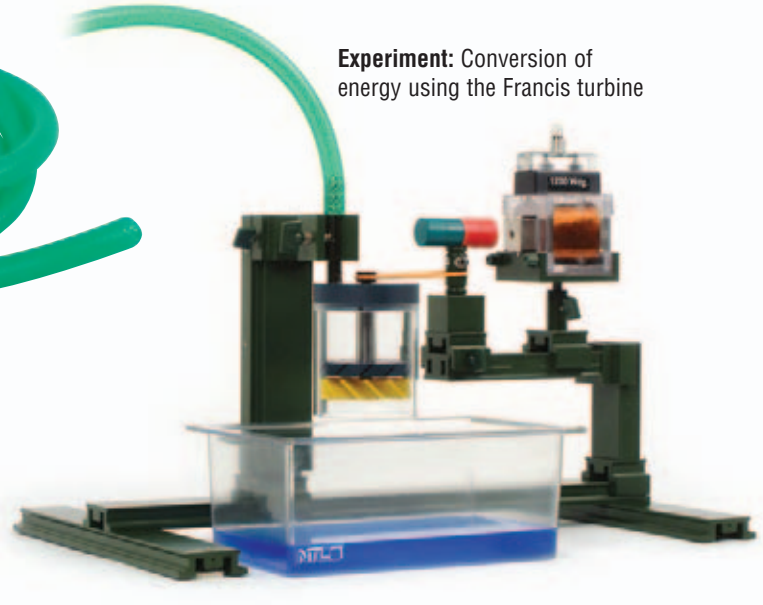
Experiment:
Lifting work and
power - motor



C7445-1K Water hose 1/2", L=1.5 m

Plastic hose, D=15/11 mm, hose connector at one end tapped for 1/2" faucet, L= approx. 150 cm

Experiment: Conversion of energy using the Francis turbine



DT730-1P Pelton turbine with drive shaft

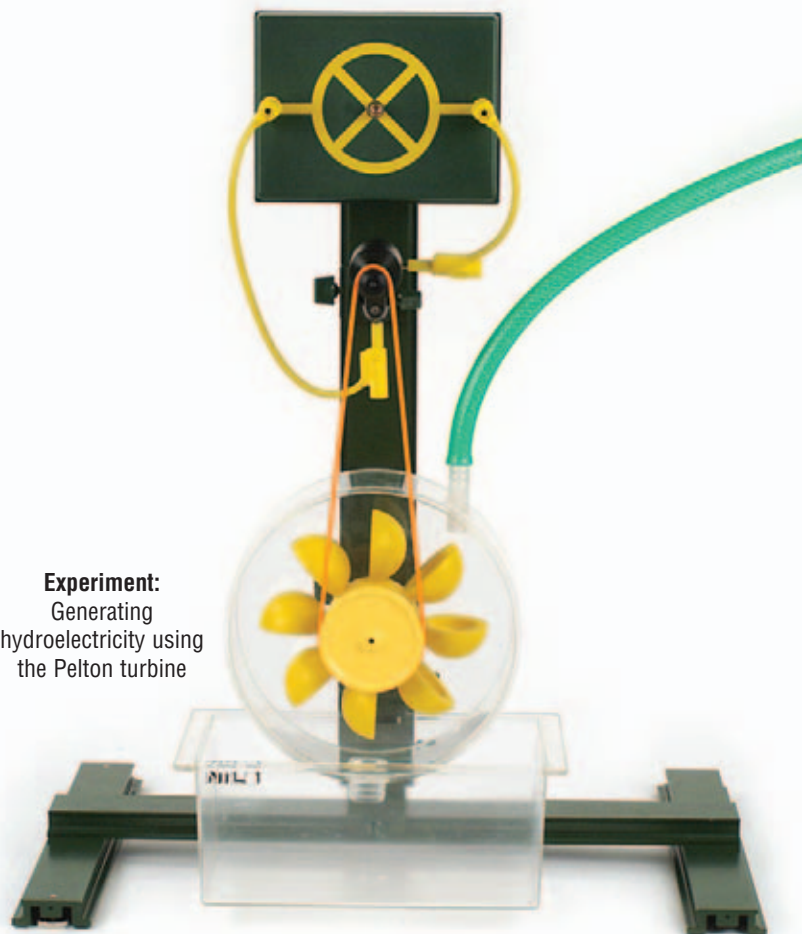
Impulse turbine model (D=140 mm) built into an acrylic housing; drive shaft is permanently coupled with the turbine, 1/2" connecting piece for water hose C7445-1K and 1" drainage connector in the floor, with support for fastening in place: 10x30 mm D=200 mm

DT730-1K Francis turbine

High pressure turbine (D=68 mm) made of acrylic; drive shaft is permanently coupled with the turbine, with metal supply tube (may be used for mounting) and 1/2" hose fitting
Dimensions: 80x100 mm
Total height including supply Pipe: 180 mm



Experiment: Generating hydroelectricity using the Pelton turbine



Recommended accessory: Bicycle dynamo on handle DE460-1F