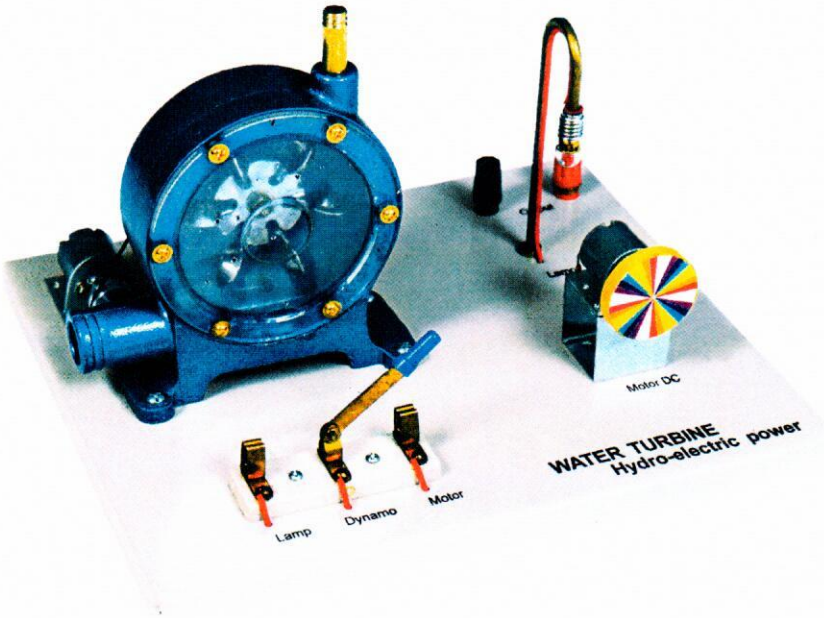
WATER TURBINE - Hydro-electric power



This apparatus is specially designed for operating under low water pressure. It performs extremely well with higher water pressure. A brass chromed water wheel is mounted in a cast aluminium casing about 10cm diameter. The water turbine is mounted on a metal base together with a dynamo, motor, lamp and a two-way selecting switch. Two 4mm locked head terminals are provided for drawing current to other equipments like electric bell, buzzer or meters. An LED is mounted to the outlet terminals. Disconnect the LED if you want to draw current from the output terminals. Overall dimension 270 x 240 x 170mm. The water turbine is very efficient. It drives the dynamo to drive the motor at low water pressure, about 20 feet of water head.

The apparatus is supplied with a 25mm diameter outflow tubing and an inlet tubing with adaptor for larger size water tap. The acrylic window provides clear view of the working mechanism. When water is directed into the inlet, the water wheel will rotate in the turbine. The 60mm. pulley will convey energy to the dynamo. When the switch is on opened position, the LED will be lit up. When the switch is closed to motor position, the motor will spin and the Newton Colour Disc will turn white. If you swing the knife of the switch to the lamp position, the lamp will be lit up and the motor stopped spinning.

The apparatus is also used to show **Energy conversion process**.

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