The forward facing 3 bladed propeller drives a permanent magnet alternator producing up to 8 Amps output current for a 12-volt system. The shaft rotates in double seals for optimum protection, backed by twin "O" ring static seals at the rear of the casing. An internal moulding and external gland similarly double seals the cable exit. The alternator body is filled with hydraulic fluid to eliminate corrosion and to equalise pressure changes caused by ambient temperature. Rectifiers supplied on separate heatsink.

Mounting Pole (protects cable & glands) 50mm OD x 1m or 1.5m Aluminium Alloy pole & casting. Paint finish, Stove White.

Mounting Clamps (fresh water)

**Guard options**

- **Standard:** Ideal for low speed start-up (1.8kt). Charges at approx. 1Amp/kt thereafter. Clockwise & counter clockwise propellers available, e.g. for twin installations on seismic floats.

- **Shrouded:** Shroud prevents fine rope or fishing line from winding around shaft and damaging seals.

- **Low R.P.M.:** Designed for fast flows/high speed yachts. Delays charging and reduces drag until greater waterspeeds are reached.

**Applications**

- Remote Cabins
- Aqueducts
- Water Pipes
- Barges
- Yachts
- Or any situation where there is a continuous water flow and zero head.

**MICRO-HYDRO BATTERY CHARGING APPLICATIONS**

Generate Up to 2.4 Kilowatts per day from any 400mm deep fast flowing stream. When mounted in a stream that flows at 15kph (slow jog), the Aquair U.W. produces 8 Amps continuously. This represents enough power to supply a typical remote home, independent of the main supply. Even a stream flowing at 10kph will produce 1.5 Kilowatts per day and this output can be increased by diverting the flow into a narrow culvert to increase flow.