

Aquair U.W.

Pressure compensated sub-surface Generator

- 24 Hour Power
- Supplement Solar Power through Winter Months
- Operates under ice

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.

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.

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



Mounting Clamps
(fresh water)



STANDARD

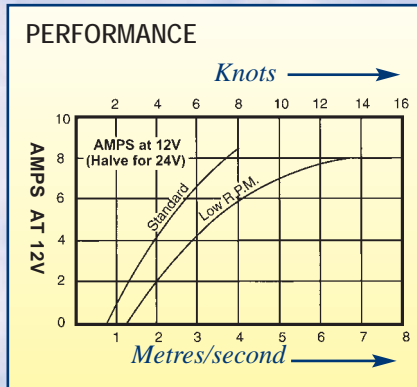
SHROUDED



LOW R.P.M.



GUARD fits OVER this pole

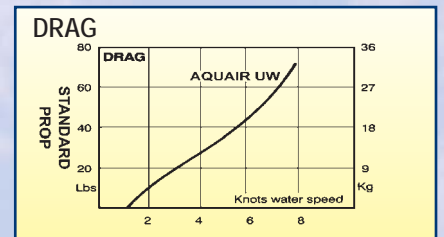
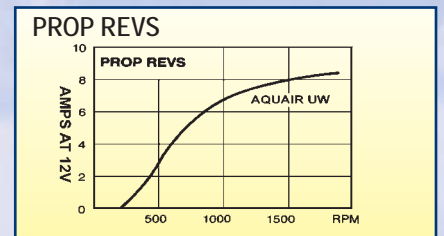


PROPELLER OPTIONS

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.

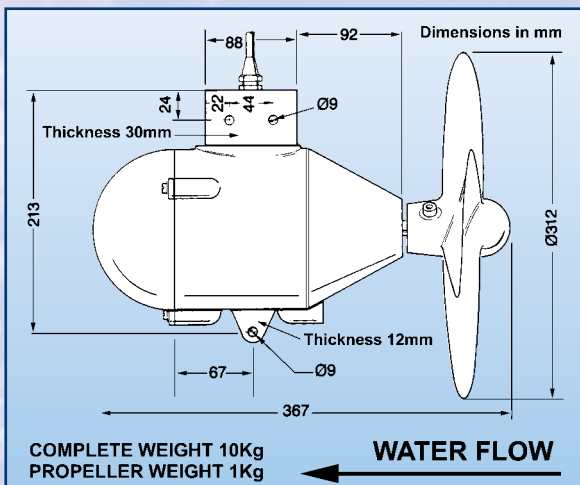
LOW R.P.M.: Designed for fast flows/high speed yachts. Delays charging and reduces drag until greater waterspeeds are reached



Applications

- Remote Cabins
- Aquaducts
- Water Pipes
- Barges
- Yachts

Or any situation where there is a continuous water flow and zero head



Stainless Steel (316-grade) guard protects propeller from damage by floating objects such as tree branches, weed and rope. 360mm dia. x 320 deep & fits over pole.

