SPLASH 1/2008 SURFACE-MOUNTED AERATOR MAINTENANCE SCHEDULE
Water Treatment Applications

The *Acqua & Co.* SPLASH 1/2008 surface-mounted aerator is a high efficiency machine designed to allow continuous operation in outdoor ponds and lakes. Due to its short motor shaft design and effective sealing arrangement, the SPLASH 1/2008 has a low maintenance requirement.

However, it is important to provide effective preventative maintenance to ensure a long life from the aerator. It is recommended that an inspection of the primary seal is performed yearly, with inspection of the secondary seal and bearings performed every two years. It is recommended that the maintenance schedule provided be followed to ensure effective management of your asset.

Annual (Yearly) Maintenance

Yearly maintenance is required to inspect the condition of the primary seal and clean the unit.
Please refer to *Acqua & Co.* Aerator Splash 2008 hp Diagram and Spare Parts List for reference as required.

a) Remove and inspect propeller/s (part no. 22 & 24) by removing plug (part no. 56) and screw (part no. 89).

b) Drain paraffin oil from motor casing by removing plug (part no. 95).

c) Remove front flange (part no. 18) and inspect mechanical seal (part no. 47) and insulation tube (part no. 53) on rotor. The mechanical seal should be inspected to ensure that there are no scratches or marks on the carbon face or stationary face. The insulation tube should be examined for marking and scoring. Replace parts as necessary.

d) Reassemble all parts ensuring oil is added in the zone between the main body and the front flange (part no. 18). O-ring (part no. 52) is to be replaced on reassembly. Oil to be used is Medicinal Paraffin Oil Light, Food Grade.

e) Clean floats and motor to remove all algae, barnacle, and other build-up before returning unit to service.

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Biennial (Two-Yearly) Maintenance

Every two years it is important to inspect the primary and secondary seals, and the motor bearings for wear. These need to be replaced if necessary. Please refer to *Acqua & Co.* Aerator Splash 2008 hp Diagram and Spare Parts List for reference as required.

a) Perform the Annual (Yearly) Maintenance steps a) to c) as instructed.

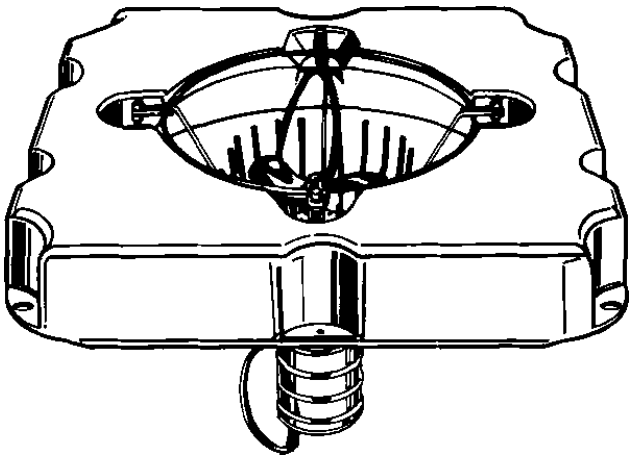
b) Separate motor housings (part no. 16 & 17).

c) Remove the rotor (part no. 1) complete with bearings.

d) Inspect the bearings (part no. 28) for wear and damage. Replace as necessary.

e) Re-assemble motor housings, replacing O-ring (part no. 51).

f) Perform the Annual (Yearly) Maintenance steps d) to e) as instructed.



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