

# Biofouling solutions for increased biosecurity

**AQUASCALE** is a marine descaler that can be used on all types of vessels including cruise ships, freighters and recreational craft. Specifically formulated to dissolve mineral deposits, rusts and biofouling organisms.



Readily biodegradable formulation



Suitable for descaling of materials including steel, stainless steel, iron, titanium, brass and plastics



Can be circulated through equipment or systems without the need to dismantle



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# AQUASCALE

## BIO-DESCALER

### DESCRIPTION

**Aquascale** is a biodegradable, low toxicity de-scaler developed for in-water cleaning biofouling removal. Ideally suited as a marine de-scaler it can be used on all types of vessels including cruise ships, freighters and recreational boats. Aquascale is also suitable for use in industries such as food and beverage and pharmaceutical. Aquascale will dissolve mineral deposits including water scale, limescale, calcium, and rust from condensers and cooling towers, chillers, boilers, heat exchangers, desalination plants and water pumps. It is also effective in the removal of barnacle, zebra mussels and tiger shells in marine cleaning applications. Aquascale has been developed to incorporate wetting and penetrating agents that dissolve into a solution making it easier and safer for disposal.

### FEATURES & BENEFITS

- Biodegradable
- Suitable for descaling of materials including steel, stainless steel, iron, titanium, brass and plastics
- Can be circulated through equipment or systems without the need to dismantle

### METHODS OF APPLICATION

Descaling of *inboard motor*, follow usual procedures in descaling of motor.

#### Recirculation of Aquascale solution:

1. Disconnect, isolate the motor and closed seacock valve.
2. Connect the circulation pump using 3 rubber hoses with brass fittings and PVC valves.
3. Start circulation by gradually filling the system with Aquascale 1:1 dilution with water. For filling large system, pump may be required to be switched on.
4. While running the pump, ensure circulation is completely sealed with no leaks. Fizzing and mircobubbling indicate that reaction with scale is taking place, which would be completed in 1-4 hours.
5. Discard soiled solution and thoroughly rinse the system with clean water for more than 5 minutes.
6. Open seacock valve and inspect for leaks.

Descaling of *outboard motor*, follow usual procedures in descaling of motor.

#### Recirculation of Aquascale solution:

1. Connect PFK hose to water inlet using adapters after removing motor's lower unit.
2. Disconnect exhaust water tubing.
3. Setup circulation pump, create a closed system and a secured bucket to be placed under the engine with Aquascale 1:1 dilution with water.
4. Switch on the pump and ensure that there are not excessive leaks and pump doesn't run dry. Continue to circulate for 2-4 hours.
5. Dispose used solution and flush the motor with clean water for at least 5 minutes with clear water discharge.
6. Reconnect impeller and thermostat and continue operation of motor as per normal.

### ORDERING INFORMATION

Code	Description	Packaging
1161/51	Aquascale	20L
1161/64	Aquascale	200L
1161/1000	Aquascale	1000L