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Want to know more about
Ratz protein skimmers?

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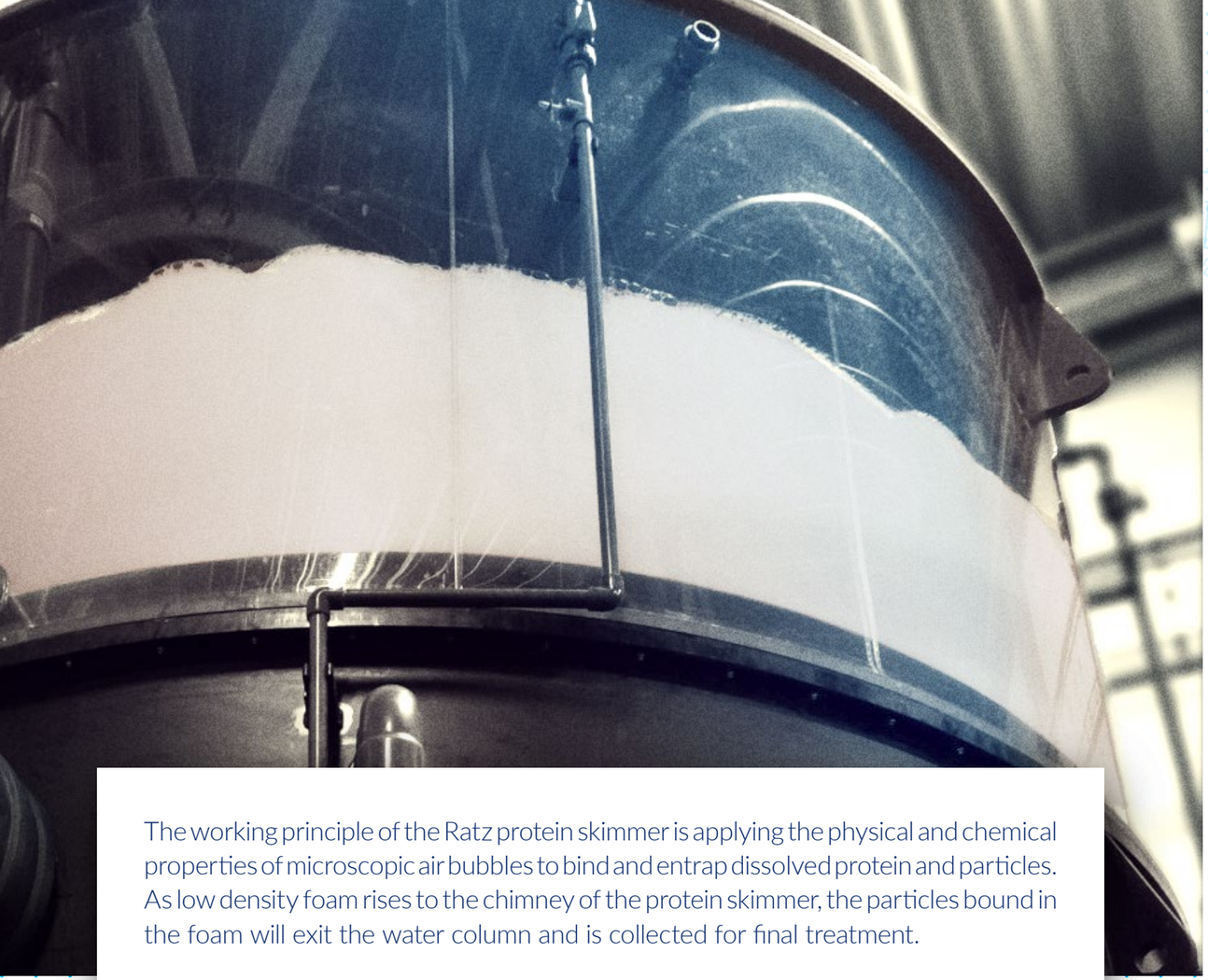
# Ratz | Protein skimmer

## High performance protein skimming for Recirculating Aquaculture Systems

- Removal of dissolved proteins and particles
- Enclosed foam control unit
- Enclosed and safe unit for ozone injection



The working principle of the Ratz protein skimmer is applying the physical and chemical properties of microscopic air bubbles to bind and entrap dissolved protein and particles. As low density foam rises to the chimney of the protein skimmer, the particles bound in the foam will exit the water column and is collected for final treatment.

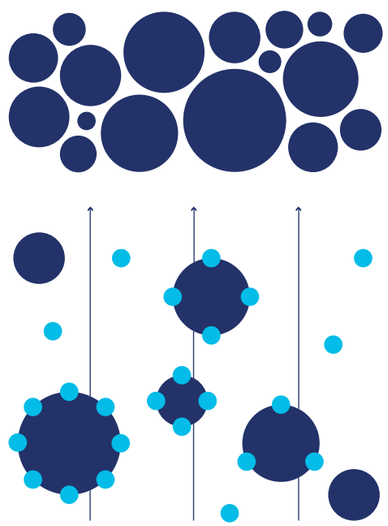
Ratz protein skimmers delivers efficient removal of small particles below 30 micron from water streams with a simple and operator friendly design. All components are made from non-corrosive materials , highly suitable for use in both saltwater and freshwater systems.Ratz protein skimmers are used in public aquaria, aquaculture and waste water treatment world wide

Air injection is delivered by centrifugal pumps and venturi drives ensuring cost efficient operation without addition of pressurized air.

The Ratz protein skimmer is designed to be incorporated with ozone gas ($O_3$) to optimize removal efficiency and reuse of any degassed ozone.

Ratz protein skimmers are built with non-corrosive materials: HDPE, Simolux and PVC.

All parts are designed for optimized functionality with respect to user convenience and power consumption.






**Reuse of off gassed ozone**

Venturi air suction connected to foam chamber

**Ozone injection**

Ready to use with ozone injection point and gas ventilation for ozone destruction

**Large foam chamber**

Ensures foam to collapse minimizing water backwash water usage

**Venturi driven air intake**

Ensures air to gas mixing and proper bubble size

**Foam level control**

Timed or sensor controlled foam level control, with sprinkler system

**Counter current principle**

Enhanced contact between micro-bubbles and proteins by counter current principle

**Efficient mixing**

Circular motion inside the skimmer ensures sufficient mixing eliminating dead zones

Enclosed unit for foam control in RAS systems.

Removal of dissolved proteins and organic matter.

Enclosed and safe unit for ozone injection.

## Built for your application

Various size configurations available.

**Ratz 500** 15 m³/h

**Ratz 600** 20 m³/h

**Ratz 750** 35 m³/h

**Ratz 950** 60 m³/h

**Ratz 1400** 120 m³/h

**Ratz 2000** 240 m³/h

**Ratz 2500** 460 m³/h