

## Ratz 500 Protein skimmer, technical specification.

Diameter:	500 mm
Height:	2252 mm
Volume:	0,33 m <sup>3</sup>
Material body:	PE
Material top:	Simulux, PETG
Pump:	Badu Speck, 0,8 kW
Power supply:	230 V, 50 Hz.
Air injection:	8 m <sup>3</sup> /h.
Injection type:	Venturi drive.
number of pumps:	1
Inlet pipe:	50 mm
Outlet pipe:	flanged 110 mm pipe.
Flange outer diameter:	220 mm, 8 holes.



Capacity at 1min30sec contact time:	13 m <sup>3</sup> /h
Capacity at 2min contact time:	10 m <sup>3</sup> /h

Suited for ozone (O<sub>3</sub>) injection, with injection point and reuse of off gassed ozone.

**Control system:** Timed sensor for ON/OFF signal of solenoid valve for backwash water included.

### Hydraulic notes and installation suggestion:

Skimmer can be installed with either feeding pump or fed by gravity. Protein skimmer must be installed with standing pipe and/or valve at outlet to support correct water level inside skimmer. External water source for backwash water must be connected at 2-3 bar.

**Expected discharge** in Aquaculture facility: 0,5-2 % of flow volume, depending on water level, organic load, and salinity.

### Typical options to consider:

- In case of high concentrations of protein in foam and high ozone dosage, foam dampener may be used in backwash water.
- Outlet and drainage valves are not included unless specified at order.
- If ozone is applied, active ventilation should be mounted to ventilation point.

**Shipping** for larger units likely to be shipped in 2 parts for optimal shipping arrangement.