

Plankton tubes

for Phyto and Zooplankton



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Plankton tube

The AquaCare plankton tube is useful for breeding phytoplankton (in combination with a light source, particularly T5 bulbs or LEDs) and zooplankton. The large net volume enable the fast growth of adequate mass of plankton. The phytoplankton system is air-tight and allows sterile cultivation. It is possible to disinfect (e.g. with chlorine dioxide) it easily.

The tube is made of a acrylic glass (PMMA) cylinder with a bottom cone and a rigid top interlocking system. There are two hose connectors for aerating and de-aerating (4 mm nozzles) the culture. Two brackets for wall mounting are in the scope of delivery. It is possible to fix a sensor connector for measuring e.g. pH value.

The zooplankton tube is equipped with additional connectors and a paddle scraper to remove detritus from the bottom cone. Afterwards it is possible to suck off the deposits by a hose.



Phytoplankton and zooplankton tube

Order number phytoplankton tube: Pkt90-90

Order number zooplankton tube: Pkt90-90z

Diameter: 90 mm

Range of temperature: 0...80°C (-2...80°C sea water)

Volumen gross / net: 4.6 / 4.0 liters (1.2 / 1.1 US gal)

Total height / required space: 905 / 950 mm (others possible)

Materiala: PMMA (acrylic glass), ABS, O-Ring made of NBR, special stainless steel

Extra thick silicone hose 4/7 mm; ideal for reactors and plankton tubes;

Order number (per meter): 893-005



Hydrophobic sterile filter for aerating plankton tubes and reactors with a pore size of 0.45 µm and extra large surface (16 cm²), rejection

99.97% of all particles > 0.3 µm, connector nozzles for 6-10 mm hoses, membrane made of PTFE, housing made of PP. The filter should be protected against coarse dirt.

Order number: EX-003



parts of the head



complete zooplankton tube head

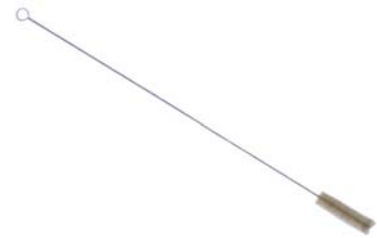


acrylic glass with cone and paddle scraper



Zooplankton tube with adult *Artemia „salina“* fed with the diatom *Phaeodactylum tricornerutum*

Extra long cleaning brush for e.g. plankton tubes
 Diameter: 30 mm
 Border length: 125 mm
 Total length: 900 mm
 Order number: Brst-001



Cap made of ABS (choose the fitting nozzles and blind caps, too; with standard PVC glue you can bond nozzles on both sides of the cap)
 Order number: Pkt-002



Paddle scraper made of stainless steel (suitable for oxic cultures in sea water)
 Order number: Pkt-001



ABS nozzle – 4 mm
 Order number: 01r-035



ABS-nozzle – 8 mm
 Order number: 01r-036



ABS blind cap
 Order number: 01r-034



PA sensor connector for all 12 mm sensors (squeezing system with sealing)
 Order number: 360-000



PE bracket for plankton tubes (Diameter 90 mm)
 Order number: 770-090

If you assemble your own cap for plankton reactors, please note that you may bond with standard PVC glue nozzles on each side of the cap. The sensor connector is fixed by simply screwing in – it is necessary to pierce the plastic film inside the cap before.

Further products are under way.

