

Am Jägersberg 5-7
24161 Altenholz
Germany

phone: + 49 - 4 31 - 3 69 60 - 0
fax: + 49 - 4 31 - 3 69 60 21
mail: sales@hydrobios.de
web: www.hydrobios.de

CalVET Net

438 770 CalVET Net

1. Double Net ring of stainless steel, each ring 60cm Diameter,
 - 1.1. Net ring connector with vertical stabilizing rod
2. Two Nylon webbings with zip fasteners
 - 2.1. Two Net Parts (one per ring) with zip fastener, conical, upper diameter 60 cm , lower diameter 11 cm, length 250 cm, of synthetic material, mesh 500 microns*)
3. Two Plastic Net Buckets, each consisting of:
 - 3.1. Fixing ring with overcentre fasteners for attaching to the end of a net
 - 3.2. PVC Net Bucket with side window, covered with sieve gauze
4. Steel rope (6 mm dia.), length 2 m, with thimbles, clamp and shackles
 - 4.1. Distance Rod for Plastic Net Buckets

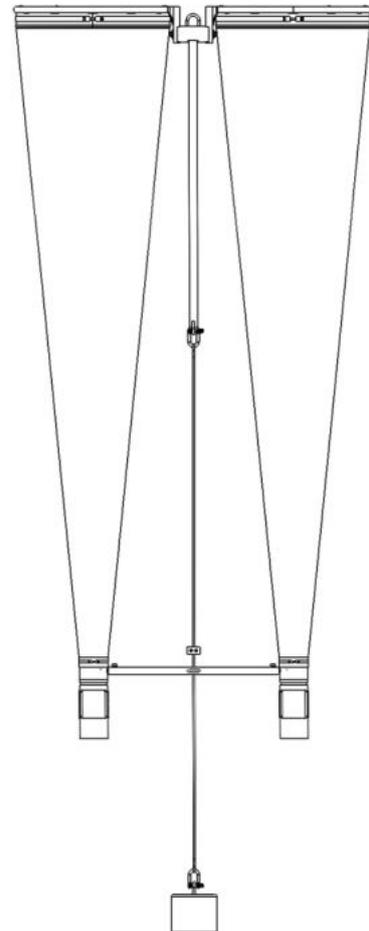
Accessories:

- 438 115** Digital Flow Meter for counting the amount of water passing through the net

Spare Parts:

- 438 753** Spare Net part (one single net), upper diameter 60 cm, length 250 cm , of synthetic material
- 438 753-001** Spare Nylon webbing with zip fastener (one single part)
- 438 150** Spare Plastic Net Bucket with snap-in bolt, consisting of:
- A. Fixing ring with overcentre fasteners with snap-in bolt for attaching to the end of a net
 - B. PVC-Net Bucket with side window, covered with sieve gauze (as per choice between 100 and 500 microns mesh)

*) This Net Part is also available in all other mesh sizes between 100 and 500 microns.



CalVET Net

The CalVET Net consists of 2 net rings of 60 cm dia. connected by a central axle. The central axle features an eye for the wire and a stabilizing rod which maintains horizontal alignment of the net rings. On the lower end of the stabilizing rod a steel rope is connected. A bottom weight of min. 30 kg (not included in scope of delivery) needs to be attached to the opposite end of the rope. The distance rod, which keeps the net buckets from colliding, features an eye through which the steel rope is running. An adjustable clamp limits the traveling distance of the distance rod and thus the buckets. This arrangement allows some movement of the net buckets during handling while keeping the net straight and correctly aligned during lowering.

Operational limits: max. lowering speed 0.5 m/s; max. hauling speed 1 m/s.

1. The mouth size of the net is large enough to minimize avoidance (i.e. the "minimum escape velocities" of Barkley 1964).
2. The net is large enough to filter a large volume of water in a reasonable short period of time. This increases the chances of sampling "rare" species.
3. No bridles or other towing devices precede the mouth of the net, since these tend to "frighten" zooplankton into avoidance reactions.
4. The net takes paired samples to provide better data for statistical analyses.
5. The net is rugged enough to survive rough treatment at sea.
6. It is simple enough to be repaired at sea.

