



34-A10 and 34-A20 Schindler-Patalas Plankton Trap Instructions

Introduction:

The Schindler-Patalas Plankton Trap is probably the most widely used plankton trap. It can be lowered into the water with minimal disturbance and is suitable for collecting larger zooplankton. Models of 12 L and 30 L are available with 30 L being the preferred size. It has no mechanical closing mechanism and thus is convenient for cold-weather sampling when mechanical devices tend to malfunction.

It can be fitted with nets of various mesh sizes, but the 63 μ m mesh is used most often.

Warning:

Do not use chemicals such as acetone, ketone and alcohol for cleaning the Schindler-Patalas. The use of these may cause cracking and/or crazing. Storing wet equipment can cause mildew and deterioration of materials.

Warranty and Parts:

We replace all missing or defective parts free of charge. For additional parts, use part numbers above. We accept Mastercard, Visa, American Express, checks, institutional P.O.'s. All products guaranteed free from defect for 90 days. This guarantee does not include accident, misuse, or normal wear and tear.

How To Operate:

1. To take a sample, attach a line to the handle.
2. Lower the sampler slowly so that it remains vertical. The hinged doors on the top and bottom of the sampler open, allowing water to flow through.
3. After reaching the desired depth, pull up on the line. The initiation of retrieval closes the doors, trapping the plankton at that depth in a known volume of water.
4. Upon return to the surface, the contents of the sampler are filtered through the attached plankton net and Dolphin[™] bucket. Never try to lift the sampler out of water if it is full of water. Let the water drain out before removing the sampler from the sampling area.

Sampler Maintenance:

For best results, wash the Schindler-Patalas with mild soap and soft water. Rinse completely with distilled water before drying. The net and bucket should be washed in the same manner, then air dried in a dark or shady area, out of direct sunlight, where ampler air movement is found.

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