### **Counting Chamber for Zooplankton**

Tray for easy enumeration of large amounts of zooplankton

#### ABOUT

Based on the Bogorov design the Counting Chambers for Zooplankton have been designed for easy enumeration of large amounts of zooplankton. A plexiglass block with



precisely machined grooves and a polished bottom provides best possible transparency. Due to the small dimensions all chambers can be used with stereo microscopes. The standard models are manufactured with grooves in meander profile. The Ballast Water models, modified by Gollasch, are manufactured with grooves in line pattern, bisect line pattern and grid pattern. This very much alleviates the use of the chambers on moving vessels even under choppy sea conditions.

ORDERING INFORMATION	
Products	
435 010	Standard Counting Chamber for Zooplankton dimensions 40 x 70 (mm), 9 ml
435 011	Standard Counting Chamber for Zooplankton dimensions 80 x 100 (mm), 22 ml
435 012	Standard Counting Chamber for Zooplankton dimensions 80 x 140 (mm), 70 ml
435 011 A	Modified Counting Chamber acc. to Gollasch dimensions 80 x 100 (mm), line pattern, 6 counting fields, 5.4 ml per section
435 011 B	Modified Counting Chamber acc. to Gollasch dimensions 80 x 100 (mm), bisect line pattern, 12 counting fields, 2.4 ml per section
435 011 C	Modified Counting Chamber acc. to Gollasch dimensions 80 x 100 (mm), grid pattern, 30 counting fields, 0.8 ml per section

### **Plankton Chamber acc. to Kolkwitz**

Tray for easy enumeration of small amounts of phytoplankton





#### ABOUT

The Plankton Chamber acc. to Kolkwitz has been designed for easy enumeration of small amounts of phytoplankton. Due to the small dimensions the chambers can be used with standard microscopes, inverted microscopes and stereo microscopes. Made from glass the chambers are precisely adjusted to their nominal volume. The cover plates are marked with an orthogonal counting grid for an easy zoning of the sample.

TECHNICAL DATA		
Material	Glass	
Dimensions	33 x 33 mm with 22 mm boring	
Thickness chamber	1.86 mm for the 0.5 ml version 3.18 mm for the 1.0 ml version	
Bottom glass	0.55 mm	
Cover plate	1.5 mm	

ORDERING INFORMATION	
Products	
435 015	Plankton Chamber acc. to Kolkwitz, capacity 0.5 ml
435 016	Plankton Chamber acc. to Kolkwitz, capacity 1.0 ml

## **Tubular Plankton Chamber**

Phytoplankton sedimentation cylinder for microscopic analysis



#### **435 021**

435 022

435 023

TECHNICAL DATA	
Material	Plexiglass, glass, chrome-plated brass
Diameter of base ring	43 mm
Diameter of base ring alignment	42 mm
Inner diameter of sedimentation tube	26 mm
Height of chamber	approx. 10 mm for the 5 ml version approx. 19 mm for the 10 ml version approx. 46 mm for the 25 ml version

### ABOUT

Tubular Plankton Chambers are used for microscopic analysis of phytoplankton samples. The sedimentation process is carried out inside the original inspection cylinder to avoid any falsification of the samples during handling.

The chamber consists of a plexiglass tube with an unscrewable metal base ring holding a thin base plate of just 0.2 mm.

Analysis of the sample is made on inverted micro-scopes.

Our scope of delivery includes one chamber, one glass cover plate and a set of 50 glass base plates.

ORDERING INFORMATION	
Products	
435 021	Tubular Plankton Chamber, capacity 5 ml
435 022	Tubular Plankton Chamber, capacity 10 ml
435 023	Tubular Plankton Chamber, capacity 25 ml
Spare Parts	
435 028	<b>Cover Plates</b> for Tubular Plankton Chambers and Combined Plate Chamber, 33 mm Ø, 2 mm thick, in package of 50 pcs.
435 035	<b>Base Plates</b> for Tubular Plankton Chambers and Combined Plate Chamber, 27.5 mm Ø, 0.2 mm thick, in package of 250 pcs.

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**ABOUT US** 

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WATER SAMPLERS

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PLANKTON NETS

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MICROPLASTIC

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SEDIMENT TRAPS

 $\bowtie$ 

BOTTOM SAMPLERS

# **Combined Plate Chamber**

### Utermoehl style phytoplankton sedimentation and counting chamber

#### ABOUT

The Combined Plate Chamber allows you to look at sedimented samples from a very short distance. How? Put the sample into a cylinder on top of a rectangular plexiglass plate with a thin base plate, let the fixed plankton concentrate and after sedimentation simply push the cylinder with excess liquid aside. The handling support underneath the plate will collect the extra water from the cylinder. You can now take the plate and examine the sample under an inverted microscope. Three calibrated cylinder sizes are provided with each set allowing to analyse different sample volumes.





TECHNICAL DATA		
Material	Plexiglass, glass, chrome-plated brass	
Dimensions of plexiglass plate	43 x 120 mm	
Diameter of plexiglass plate alignment	39 mm and 42 mm	
Inner diameter of sedimenta- tion cylinder	26 mm	
Height of sedimentation cylinders	approx. 15 mm for the 10 ml version, approx. 92 mm for the 50 ml version, approx. 185 mm for the 100 ml version	

ORDERING INFORMATION	
Products	
435 025	<b>Combined Plate Chamber</b> (Utermoehl Chamber) set with one cylinder 10 ml, 50 ml and 100 ml each, complete with three cover plates, 50 base plates and handling support
Spare Parts	
435 025-001	Handling Support for Combined Plate Chamber
435 025-002	Base Unit with metal ring and key for Combined Plate Chamber
435 025-003	Cylinder 10 ml for Combined Plate Chamber
435 025-004	Cylinder 50 ml for Combined Plate Chamber
435 025-005	Cylinder 100 ml for Combined Plate Chamber
435 025-007	Package of 50 Cover Plates, 42 x 42 x 1.2 mm for Combined Plate Chamber
435 025-008	Replacement Ring for Base Unit of Combined Plate Chamber
435 025-010	Cylinder 25 ml for Combined Plate Chamber
435 028	<ul><li>Cover Plates for Tubular Plankton Chambers and Combined Plate Chamber,</li><li>33 mm Ø, 2 mm thick, in package of 50 pcs.</li></ul>
435 035	<b>Base Plates</b> for Tubular Plankton Chambers and Combined Plate Chamber, <b>27.5 mm Ø, 0.2 mm thick,</b> in package of 250 pcs.



# **Plunger Sampling Pipette acc. to Hensen**

Easy retrieval of precise small plankton sub-samples

ORDERING INFORMATION	
Products	
435 090	Plunger Sampling Pipette acc. to Hensen, capacity 0.1 ml
435 091	Plunger Sampling Pipette acc. to Hensen, capacity 0.25 ml
435 092	Plunger Sampling Pipette acc. to Hensen, capacity 0.5 ml
435 093	Plunger Sampling Pipette acc. to Hensen, capacity 1.0 ml
435 094	Plunger Sampling Pipette acc. to Hensen, capacity 2.5 ml
435 095	Plunger Sampling Pipette acc. to Hensen, capacity 5.0 ml
Spare Parts	
435 098	Spare Dilution Bottle, 250 ml capacity, made of Duranglass 50 (package of 10 pcs.)

### ABOUT

The Plunger Sampling Pipettes acc. to Hensen are simple but precise tools to retrieve small plankton sub-samples. The volume of the sub-samples is defined by the accurately machined geometry of the piston, avoiding any volume errors.

Each pipette is delivered completely with dilution bottle and stopper.



# Folsom's Plankton Sample Divider

Easy division of large plankton samples



ORDERING INFORMATION	
Products	
435 100	Folsom's Plankton Sample Divider

### ABOUT

Folsom's Plankton Sample Divider provides a fast and easy method to divide large plankton samples into an amount suitable for examination. This instrument divides samples in halves. Simply repeat the operation until the desired amount is left. The transparent plastic drum of the divider is suitable for samples up to 100ml. The base is provided with a water level and two levelling screws for easy horizontal alignment.





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MISCELLANEOUS INSTRUMENTS