

# Bottom Water Sampler K/MT 420

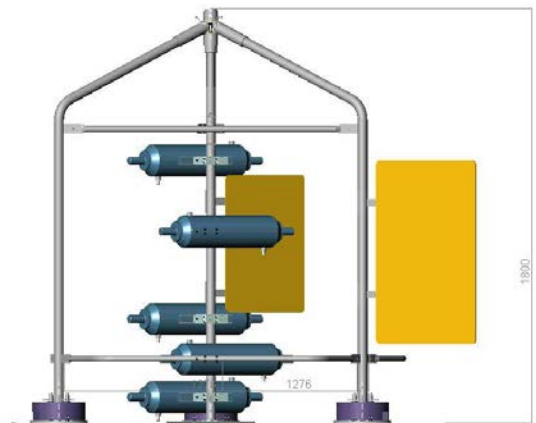
The Bottom Water Sampler is designed for collecting water probes from different heights above the seafloor.

5 Niskin-bottles at 5 liters volume each are horizontally attached to the revolvable middle axis and are adjustable at heights between 10 and 120cm above the bottom.

The axis of the water sampler is revolvably fixed to the outer rack and aligned with the current by a current vane before the touch-down on the seafloor.

The outer rack itself is equipped with two current vanes for turning the whole instrument in the current's flow.

The release is effected by a burn wire electronics that bases on the electrolytic process. When the Bottom Water Sampler lands on the seafloor a plate in the basic frame is pushed up. It activates the autonomous release electronics which sets the corrosion wire (programmed with time delay) under voltage.



## Technical Data

Outer rack:	Tripod with lead weights; material: stainless steel 1.4571
Current vanes:	1 current vane fixed to the middle axis; 2 current vanes fixed to the outer rack
Size:	height: 1865mm diameter: 1780mm
Weight:	appr. 210kg (appr. 90kg for the lead weights)
Sample volume:	5 Niskin bottles at 5 liters; material: PVC
Max. operation depth:	6000m
Transport:	easy demountable; space saving transport



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