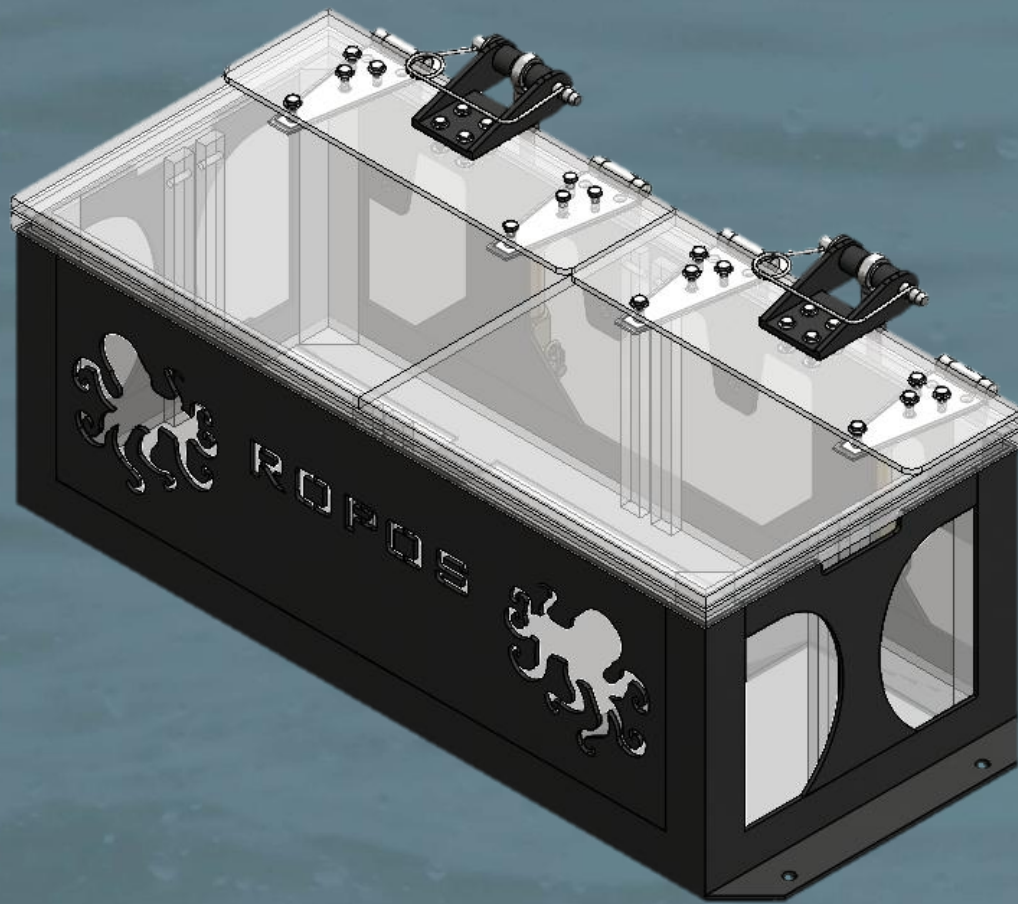


**ROPOS**

CANADIAN SCIENTIFIC SUBMERSIBLE FACILITY



# 91L Biobox

Sample Collection Box

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## Summary

The 91L Bio-Box is a versatile subsea sampling and storage solution designed for use on ROVs and manned submersibles. It is engineered to securely collect, transport, and protect a wide range of samples, including geological, biological, and sediment materials, as well as mission-critical tools and scientific instruments.

The system consists of a robust anodized aluminum frame housing a removable polycarbonate container, allowing for easy handling, cleaning, and sample transfer. Hydraulically actuated lids enable reliable operation in deep-sea environments, while the transparent lid design improves visibility for precise sample identification and placement during operations.

Designed for flexibility and durability, the Bio-Box can be configured with internal partitions to separate multiple samples within a single deployment, making it an efficient and adaptable solution for subsea missions at any depth.

## Key Features

- 2 or 4 compartment configurations
- Removable polycarbonate box
- Transparent lids for easy sample identification
- Neoprene gasket minimizes water exchange
- Independent hydraulic lids

## Specifications

Sampling Size	
Internal Volume	24gal (91L)
Internal Dimensions (W X L X H)	14" X 33" X 12" (356mm X 838mm X 305mm)
Hydraulics	
Hydraulic Requirement	1000 psi (70bar)
Connections	4x -4 MJIC
Environmental	
Depth Rating	Full Ocean Depth
Mechanical	
Frame	Anodized Aluminum
Box Construction	Polycarbonate
Weight in Air (Filled w/Water)	284.5 lbs (129.0 kg)
Weight in Air (Empty)	81.5 lbs (36.9 kg)
Weight in Water	23.9 lbs (10.8 kg)