

ENVIRONMENTAL DNA (eDNA) SURFACE SAMPLER

Overview

The Environmental DNA (eDNA) Surface Sampler from Ocean Diagnostics is a compact self-priming diaphragm vacuum pump that efficiently draws surface water through a filter to capture eDNA samples from freshwater and marine environments. Designed for versatility and functionality, the sampler is powered by a rechargeable, off-the-shelf Makita power tool battery. The eDNA surface sampler streamlines the sampling process, ensures more reliable data and saves time in the field. Focus on your research without barriers. Collect eDNA samples anytime, anywhere.

Product Specifications

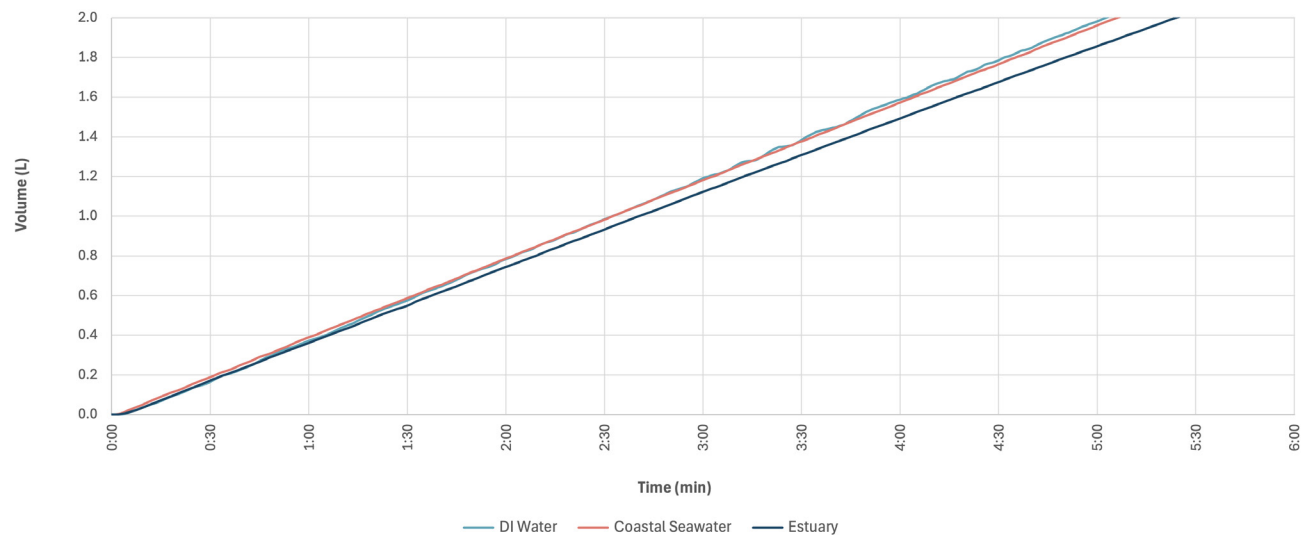
Power Source	Makita 18V Battery Pack
Voltage Input	15-21 VDC
Typical Power Draw	10 W
Typical Flow Rates	0-600 mL/min.
Max Suction (Air)	23 inHg / 0.78 Bar
Max Suction (Water)	28 inHg / 0.95 Bar
Max Pressure (Air)	19 PSI / 1.31 Bar
Max Pressure (Water)	28 PSI / 1.93 Bar
Weight	600 grams
Pump Type	Diaphragm
Diaphragm Material	EPDM
Ambient Operating Temperatures	5-40 C
Permissible Liquid Temperature	5-60 C
Pump Fluidic Connector Type	CPC Quick Disconnect 1/8" Coupling



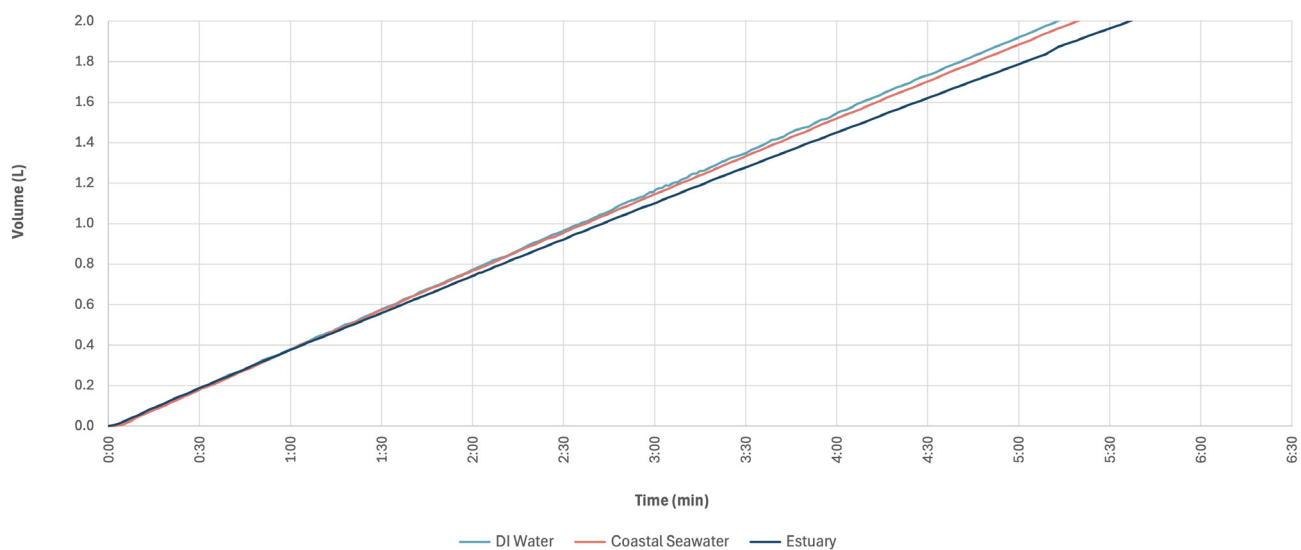
ENVIRONMENTAL DNA (eDNA) SURFACE SAMPLER

Typical Filtration Performance

47mm Mixed Cellulose Ester (MCE) Disc Filter – 5µm Pore Size



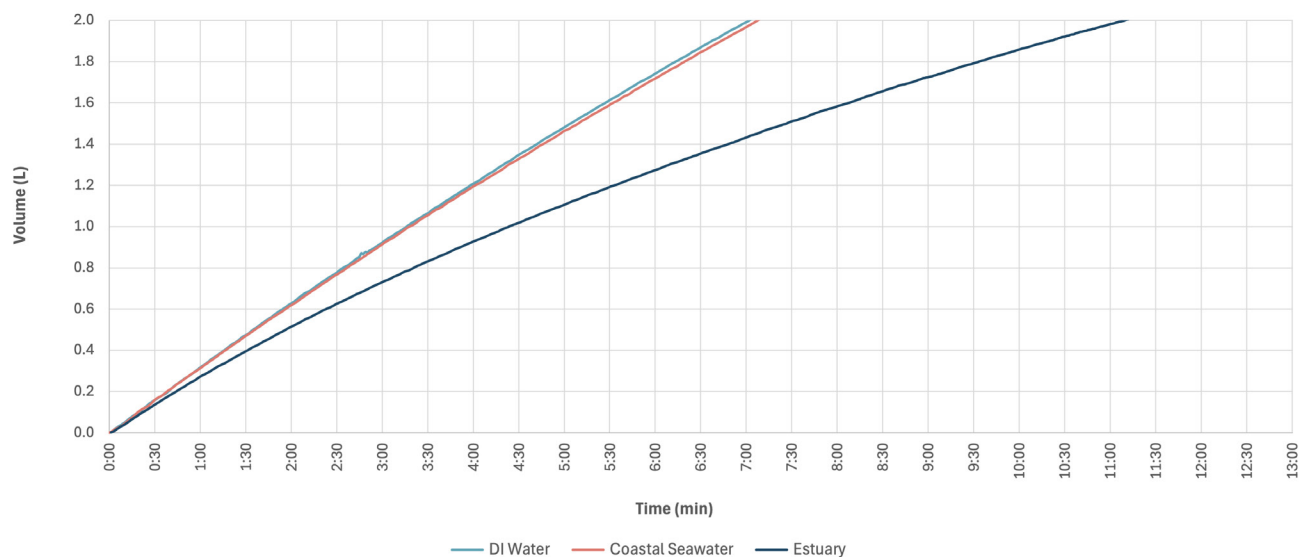
47mm Mixed Cellulose Ester (MCE) Disc Filter – 1.2µm Pore Size



ENVIRONMENTAL DNA (eDNA) SURFACE SAMPLER

Typical Filtration Performance

47mm Mixed Cellulose Ester (MCE) Disc Filter – 0.45µm Pore Size



Sterivex Mixed Cellulose Ester (MCE) Cartridge Filter – 0.45µm Pore Size

