

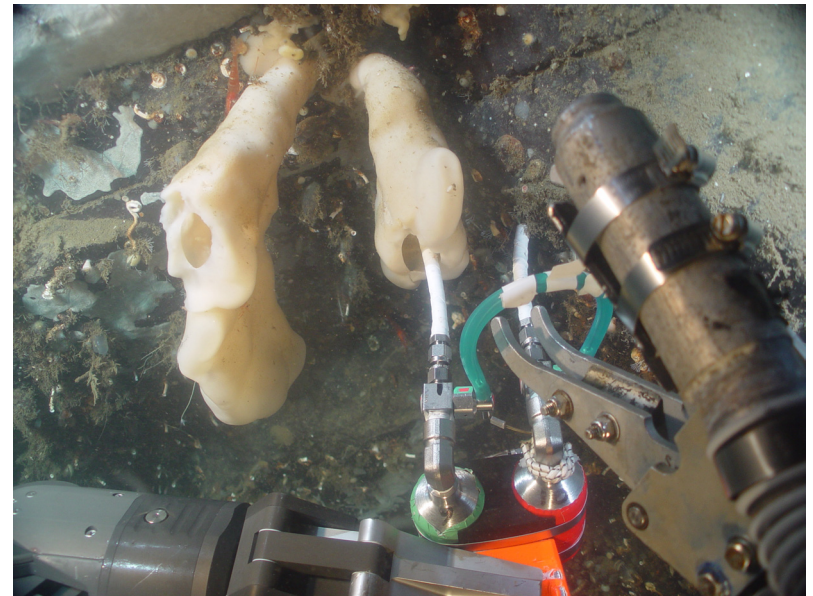
## Sampling using the SIP



The SIP is a new water sampler designed to allow clean point source water sampling. A simple valve operation by an ROV manipulator or a SCUBA diver allows the external water pressure to force the sampled water into a Teflon coated stainless steel sample cylinder. The small ID of the inlet tube (capillary PEEK) insures slow suction rate during the sampling.

Sampling a cloud sponge at Barkley Sound, BC, 150 m depth.

Two SIP samplers are operated simultaneously by the ROV's (ROPOS) manipulators to sample the water inhaled and exhaled by the sponge.



## SIP Sampler - Basic configuration

(for deep sea configuration the street elbow can be replaced with tee fitting and a check valve that allow for pressure relief during ascent)

