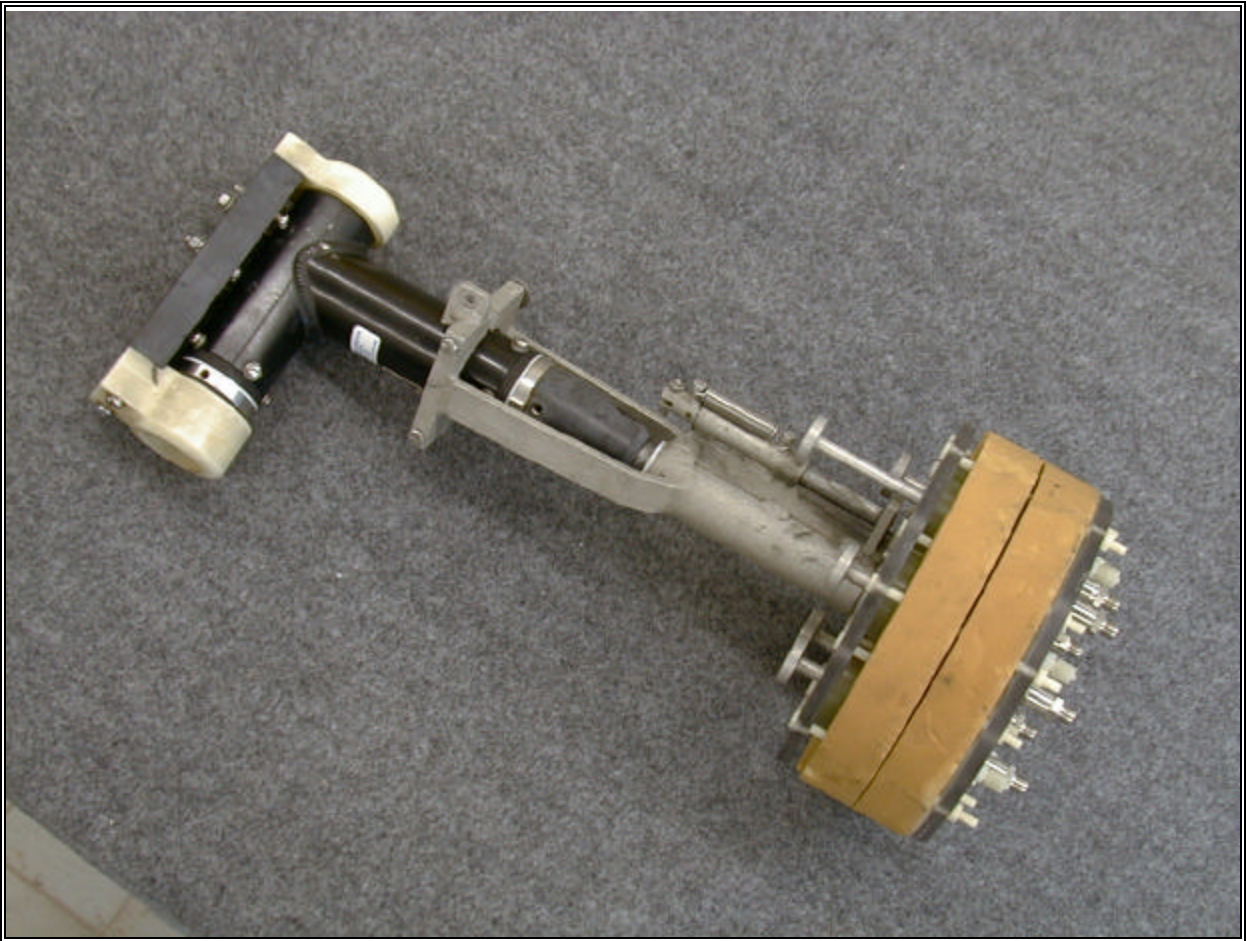


## ROV WATER SAMPLER



**APPLICATION:** The water sampler is used to collect discrete, uncontaminated samples of water utilizing the three-function manipulator on a ROV system.

**DESCRIPTION:** The water sampler consists of six separate 100 ml., syringe-like collection tubes mounted in a wheel. The device mounts on the end of the Benthos three-function manipulator, which is used to turn the wheel so that the plungers on each of the six tubes line up with a pull device. Each of the six samples is pulled separately and on command through a one-way valve. Each sample takes approximately 30 seconds to collect. After each water sample is collected, the tube is sealed by the spring loaded, one-way valve to prevent loss of the sample or contamination. The sample cannot be discarded or reset for a different sample until the ROV returns to the surface. On the surface, each tube is uncapped, the water samples are ejected into separate containers, the tubes are recapped, and the water sampler is ready for another six samples.