



General Oceanics – Water sampling

Niskin & GO-FLO Sampling bottles

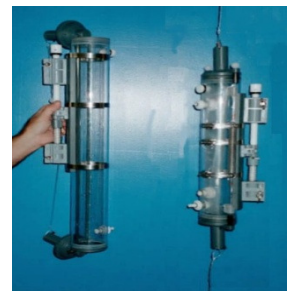
Niskin Non-metallic free-flushing sampling bottles activated by GO Devil messenger (1000-MG) when individually or serially attached to hydro-cable. Sequential closure by remote command with model 1018 Rosette® multi-bottle array, or with model AR1015 Acoustic Command Control option. Vertical, Horizontal and ROV versions available.



The **GO-FLO** sampling bottle avoids sample contamination at the surface, internal spring contamination, loss of sample on deck (internal seals), and exchange of water from different depths. They feature a “soft” close-open-close operation. Automatically opening at approximately 10 metres, they flush until closed by a messenger. Inert gas can be injected into bottle to force retrieved sample out of sampling valve, directly through filter system.

- **Mounting:** Cable clamps on 1.2- to 12-litre bottles are for cable diameters up to and including 6.4mm. Clamps on larger bottles are for diameters up to and including 8.0mm.
- **Material:** Non-metallic construction of PVC tube section, end stoppers, handles and cable clamp blocks (aluminium on 30-litre bottle). Delrin stopcocks, air vent screws and push rod. Stainless steel cable clamps. End stopper closure band of latex tubing. Buna-N O-ring seals (other materials available). Nylon monofilament lanyards.
- **End Closure:** Stopper with spherical section sealing surface held firmly against O-ring seal by internal latex tubing.
- **Drainage:** Thumbscrew air vent at top. Stopcock at base: 4.7mm dia, (9.52mm basal stopcock for 20- and 30-litres bottles) for rapid drainage.

Options: Teflon coating, stainless steel springs with Teflon or epoxy coating, clear tubes, reversing thermometers.

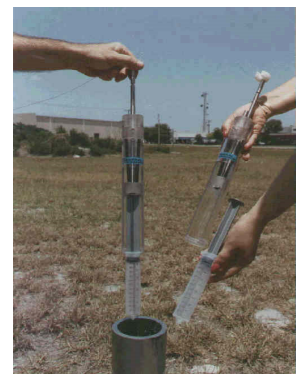


Syringe Samplers

The model 1050 messenger activated sampler allows discrete samples to be taken from as small as a two inch well. Sample is drawn into a disposable syringe. Syringe container is removable as one unit, for simple sample transfer or storage. Syringe may be discarded or cleaned and reused. Uses commercially available syringes to meet sampling needs.

Model 105060: High strength polycarbonate housing, stainless steel messenger and Plunger rod. 60cc polyethylene syringe.

Model 105010: Stainless steel housing, glass/Teflon release housing and plunger holder, stainless steel plunger and messenger. 10cc glass and Teflon syringe.



Sterile Bag Water Sampler

The model 10301.5 Sterile Bag Water Sampler is used for monitoring estuaries, bays, rivers, lakes, reservoirs, and outfall sites. The sampler collects a 1.5 litre sample in a pre-sterilized and pre-sealed heavy duty polyethylene bag. The sampler is messenger actuated, and after filling automatically seals at sampling depth. Optional factory mounted reversing thermometer assembly, model M1000-3. For use at any depth.

