A PORTABLE WATER SAMPLING DEVICE

ABSTRACT

The present disclosure relates to a sampling device comprising a housing, a protective lid adapted for covering the housing, a container within the housing, the container having a first outlet, a second outlet and a third outlet. The sampling device further includes a primary pump operatively connected to a main tubing and operable to extract a liquid sample from a sampling source, and to discharge the collected liquid sample into the container from an end of the main tubing operatively connected to the first outlet, a secondary pump located within the housing, the secondary pump operatively connected to the second outlet via a secondary tubing and configured for drawing the collected liquid sample though a filtration cartridge removably attached to an end of the secondary tubing for filtering concentrate biomass from the collected liquid sample; and a discharge tubing operatively connected to the third outlet, and operable to discharge excess liquid sample from the container.

FIG. 1