

# CHECK-KIT CHEMVIRO

Controlling agencies and research bureaux are confronted ever more with problematic sampling situations. Even within production units various sampling situations may occur. In any case it is essential that a representative sample can be taken.

Experience of the past few years has taught which equipment combines effectiveness and safety in one. Sampling and resulting analysis should have conclusive force to be really useful.

Quality of sampling-procedure and -equipment must be beyond doubt. As this applies to every sampling, decontamination of the equipment must be simple and effective.

This also implies that the choice of material for the equipment will have to be such that the material will in no way influence the samples.

Finally sampling procedures must be simple so that every properly instructed person can apply them effectively.

## 20.05 Check-kit Chemviro, standard set for sampling hard, soft and fluid waste, chemicals, water, sludge and soil

The set is composed for use by various agencies for investigation and control. The check-kit is packed in two easily portable tubes and a case. Instructions for use with suggestions for cleaning are included in this all purpose set.

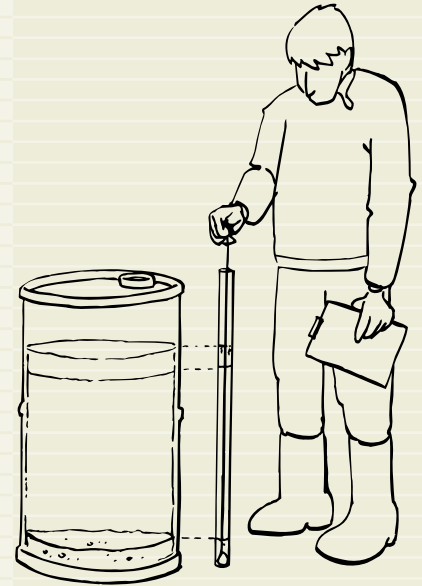
The kit is particularly employable for sampling related to Laws on Hazardous Waste.

The kit comprises equipment for sampling solid and/or dry matter up to 2 meter depth i.e. one Edelman- and one Riverside auger for cohesive and loose material as well as a gouge to be used in firm material. For core sampling of aggressive sludge, pastes and water bottoms a stainless steel piston sampler forms part of the kit. For core sampling of fluids a liquid layer sampler made of teflon is included. Also for fluids with a sludge- or floating layer in vessels and basins to a depth of 0.9 meter.

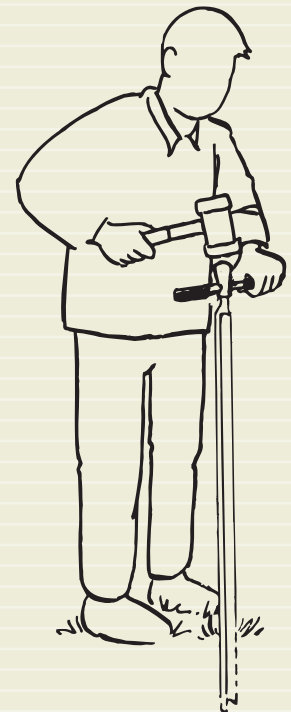


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**The liquid layer sampler has taken a sample of separated fluids.**



**The gouge is used to take a sample of the soil or of dumped solid chemical waste.**



Check-kit Chemviro



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## CHECK-KIT CHEMVIRO

Deep open water, monitoring wells or very aggressive fluids can be sampled with the bailer sampler.

Unique is the addition to this kit of a hand-operated peristaltic pump. The apparatus can be applied without any risk of cross contamination since the (cheap) tube is replaced prior to every sampling. The peristaltic pump can, apart from use for sampling in various fluids, also be applied to detect a watery sludge at the bottom of an underground storage tank.

Another advantage of the peristaltic pump is that after sampling there is nothing left to clean. The tube is discharged in a bag for chemical waste: it is not re-used.

An instrument for easy sampling, to be quickly cleaned, is the plunging siphon. This "gigant pipette" can be used to sample homogeneous fluids in drums or basins.

The plunging siphon is made of teflon throughout.

### 20.07 Flap gouge auger for depth specific sampling in dry or wet material, standard set for sampling to a depth of 2 m

The flap gouge auger is an apparatus for depth specific sampling in dry or wet firm material.

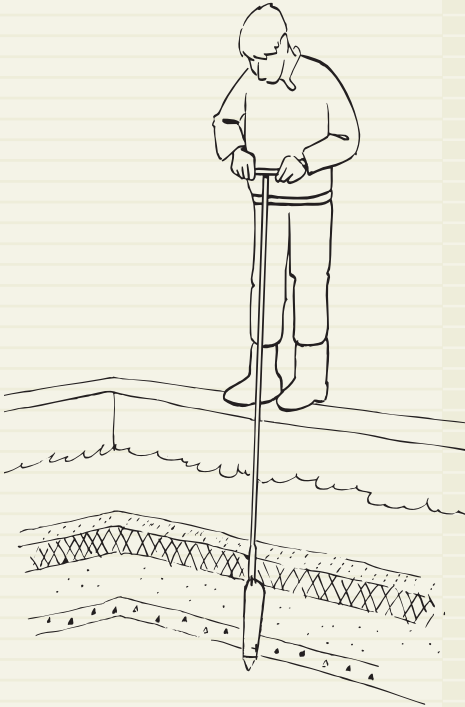
The slender construction enables easy penetration of (top) layers. In this way the sample can be taken at a specific depth.

This construction, however, makes the flap gouge auger not suited for use in hard soils or similar material.

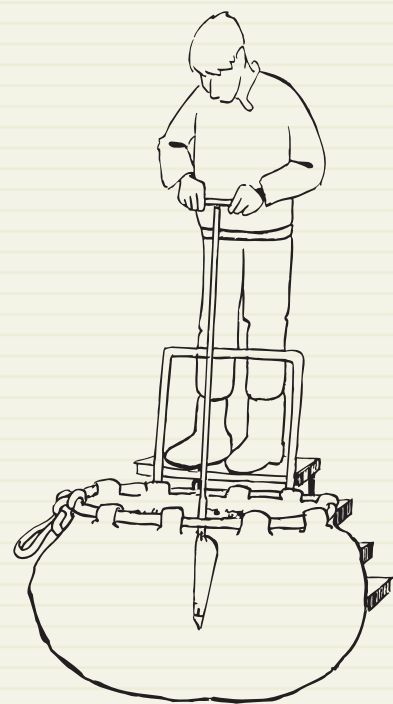
The flap gouge auger is very useful for taking samples in drums, tanks, bags and big bags from for instance powder, grain, granulates (< 3 mm) and pastes.

The standard set, among other items, consists of: a stainless steel flap gouge auger, a top piece, extension rods and various accessories. The whole can be transported in a solid carrying bag.

### Depth specific sampling in a settling tank applying a flap gouge auger.



### Sampling anything from fine-granular material to powders in a big bag applying the flap gouge auger.



Flap gouge auger set