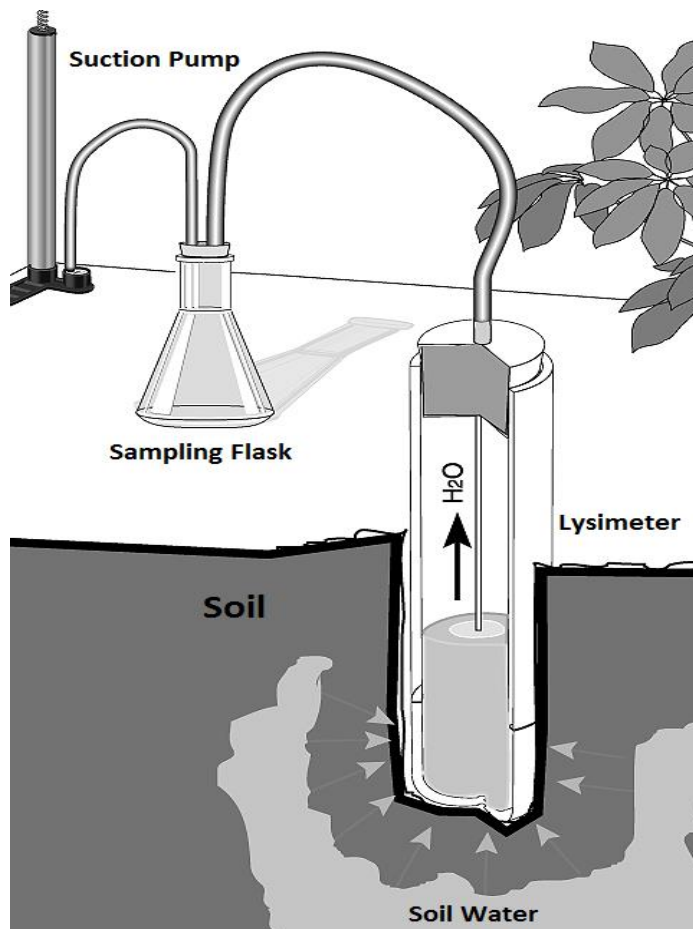


The suction lysimeter is a cylindrical device consisting of a porous ceramic cup (to withdraw soil pore water using a vacuum); a body tube to act as a reservoir; and a simple stopper assembly with a single hole for pulling a vacuum and retrieving the sample.

The negative air pressure created inside the lysimeter draws pore water into the lysimeter through the porous. Suction lysimeters and pressure/vacuum lysimeters, rely on a surface of uniform wetted pores that act as contact points pulling fluids from soils, through interface pore channels into the reservoir of the lysimeter. Suction lysimeters perform best in moist soil.



### Features:

**Three Tube Lengths** - we offers three different lengths: 30 cm, 60 cm, or 90 cm. No matter what the depth of the root level, users can easily extract a soil solution that represents the concentration of nutrients available for plant uptake.

**Ceramic Cap** - The ceramic tip of the lysimeter can be used in all types of soil. It is made of a material that does not react with the nutrients in the soil. Therefore, the soil solution collected is not effected by the chemical composition of the ceramic cap resulting in precise and reliable tests.

**Syringe and Vacuum Pump** - A 30 mL syringe and Hand Operated Vacuum Pump are included to assist the user in quickly and efficiently creating a vacuum inside the sampler tube.

**Easy to Clean** – The lysimeter should be sterile and free of air bubbles before placing it into the root zone for extraction to sufficiently activate the tube and porous ceramic tip.

# Virtual

Hydromet

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Represented by:

**\*\* Drawing / specifications are subjected to change at any time without prior notice as per manufacturing suitability.**