

HYDRASleeve

US Patents No. 6,481,300; No. 6,837,120; No. 9,726,013 others pending

NO PURGE GROUND WATER SAMPLER

By more effectively sampling groundwater, especially in low-yield wells, the new HydraSleeve "No Purge" ground water sampler can cut field sampling costs in half! The low-cost, disposable HydraSleeve captures a "core" of water from any discrete interval in the screened portion of the well with no change in water level and minimal disturbance to the water column. HydraSleeve is sealed except during sample collection, then re-seals itself, assuring that a representative sample is recovered. The low-profile HydraSleeve can be fabricated in various sizes to match well and sampling requirements. HydraSleeve makes ground water sampling a simple, three-step operation.

FEATURES:

EFFECTIVE

- Sample for ALL compounds
- Best sampler for slow recharge wells
- Repeatable sampling method
- Lower turbidity than purge and sample
- Slim cross section minimizes disturbance

INEXPENSIVE

- Reduces field sampling costs by 50% - 80%
- No purge water disposal
- No expensive equipment

FAST

- Collect samples in less than 15 minutes
- Cuts total field time by half or more
- No decontamination

EASY TO USE

- No training or special tools required
- Small, convenient and simple shipping

USES

- Long term ground water monitoring
- Sample low-yield wells
- Determine dissolved containment fraction
- Sample crooked or constricted wells
- Vertically define contaminant concentrations



EMPTY

FULL

Simple by Design

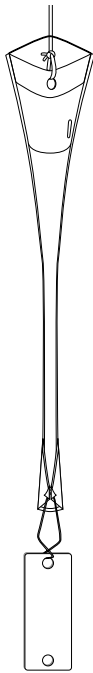
www.hydrasleeve.com

HOW IT WORKS

ONE

Placing Sampler

HydraSleeve is lowered into place and positioned in the well screen. Water pressure keeps bag collapsed and check valve closed, preventing water from entering sampler. Well is allowed to return to equilibrium.



TWO

Sample Collection

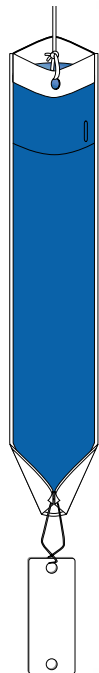
HydraSleeve fills when the check valve is moved upward faster than 1 fps. It fills by continuous upward movement. When moving upward, the check valve opens and fluid flows into the bag. There is no change in well water level and minimum sample agitation during collection.



THREE

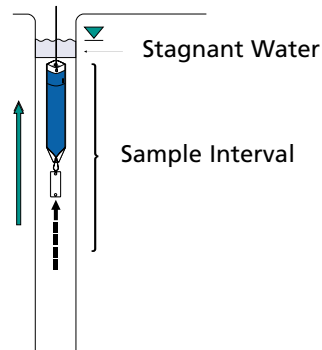
Sample Retrieval

Flexible bag is full and check valve closed. Sampler is recovered without entry of extraneous, over-lying fluids. Note: Several HydraSleeves may be stacked on the suspension cable for vertical profiling.

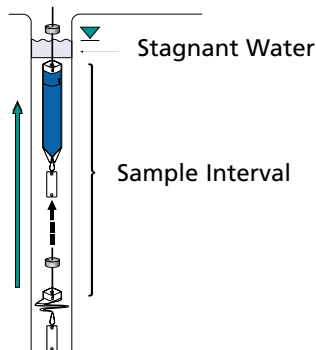


METHODS OF SAMPLING WITH THE HYDRASLEEVE

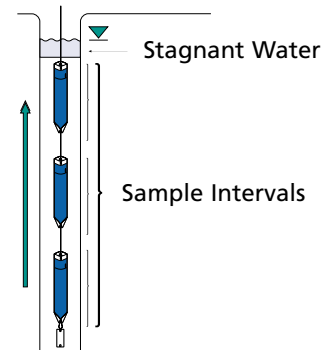
Continuous Pull - Bottom Weight



Continuous Pull - Top Weight



Vertical Profiling Multiple Samplers



There are several HydraSleeve sizes and configurations available.



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