HydraSleeve "No Purge" Sampler

The HydraSleeve™ is used in place of purging and low-flow sampling methods in groundwater monitoring wells to obtain representative, real time, discrete interval sample of ALL compounds under natural groundwater flow conditions. The HydraSleeve is effective for sampling slow recharge wells, for monitoring interfaces, and for concentration profiling.

Simply lower the empty sampler to the desired interval, let the well return to undisturbed conditions, and pull the sampler through the sample zone. The HydraSleeve seals itself when full, preventing overlying layers from entering and sampled contents from leaving the sampler.

Why Use the HydraSleeve™?

- Reduce Sampling Cost 50%-70% by Eliminating Field Time Spent Purging and the Cost of Purge-Water Disposal.
- It's Easy! No Special Tools or Equipment
- Obtain Depth-Specific Concentration.
- Sample for ALL Compounds.
- Sample Slow Recharge Wells

The HydraSleeve™, like all passive samplers, obtains a limited sample volume based on its diameter and length. Be sure to check with your lab and ask the minimum volume requirements for your compounds of interest.

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Introduction

The most common practical limitation for no-purge sampling is sample volume. The HydraSleeve SuperSleeve was designed for maximum fill rate and maximum volume to address this issue. The HydraSleeve SS consists of a special 2-piece top weight,a slightly wider sleeve with a wider check valve.

Please use these assembly instructions in conjunction with the standard HydraSleeve Field Manual.

Assembly

Attach the Bottom Weight Fold bottom of sleeve in half vertically to align holes. Open prongs of bottom weight clip by squeezing. Insert reusable weight clip through holes and attach the bottom weight.

Attaching the Sleeve to the Top Weight Insert the open (check valve) end of the HydraSleeve SS through the bottom of the stainless steel portion of top weight until about 1/2 inch of the open sleeve protrudes above the female threads.

Thread stainless steel weight (female thread) onto PVC top piece (male thread) locking the top of the HydraSleeve SS between the threads.

Ensure that the pieces are securely threaded together. Hold the PVC portion in one hand and the stainless portion in your other hand and try to pull them apart. If threaded properly they will not come apart and the SuperSleeve should be securely locked in between the threads of the 2 weight pieces.

Assembled

Assembled 1-litre HydraSleeve SS

2-Inch HydraSleeve SS

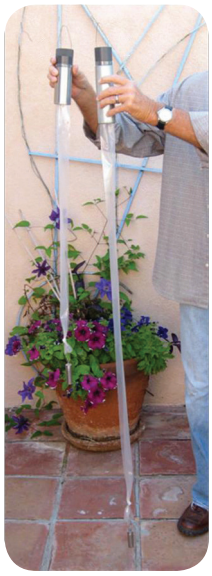
Sizes:

- 1-litre HydraSleeve SS 3-feet in length
- 2-Litre HydraSleeve SS 5-feet in length

SkinnySleeves for 2-inch, schedule 80 wells:

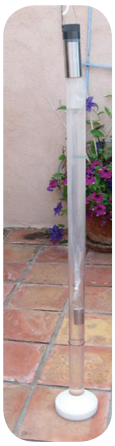
- 1.0 litre = 38 inches
- 1.5 litre = 52 inches
- 2.0 litre = 66 inches

Note: SkinnySleeves are Light Blue in Color



Allow Weight to Settle

1. Lower the HydraSleeve SS into the well until the bottom weight touches the bottom.
2. Depending on the length of the HydraSleeve, provide enough slack tether to allow the top weight to fully compress the sampler into the bottom of the well. Example – At least an additional 3 feet of tether for a 1-litre (36-inches long) HydraSleeve SS.

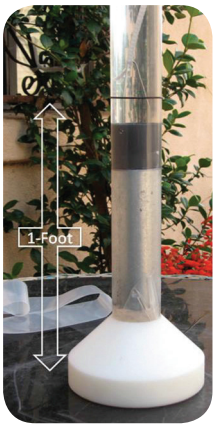


Compression and Fill Rates

1-litre HydraSleeve SS (3-feet long) will compress to within 1 foot of bottom of 2-inch well screen in about 2 hours.

1-litre HydraSleeve SS requires about 3 feet of water over the top of the sampler to completely fill. 2-litre HydraSleeve SS (5-feet long) will compress to within 2 feet of bottom of 2-inch well screen in about 4 hours.

2-litre HydraSleeve SS requires about 5 feet of water over the top of the sampler to completely fill.



Ordering Information — Most common items:

Option 1	To fit inside a 50mm well, and client requires 1l sample
Hydrasleeve	
EONGSH413	HydraSleeve “Skinny” SuperSleeve, 1.75 x 38-in Sleeve Only. 1 Litre . For 2-in Sch80 & larger wells. (Requires GSH 323 or GSH360 Re-Usable Top Collar & a Bottom weight.)
Top Collar Options	
EONGSH323	Top Collar Assembly for .1.75-in HydraSleeve Skinny SuperSleeve. Reusable 2-PC PVC. For 2” Sch80 wells & larger
EONGSH360	Top Collar Weighted Assembly for 1.75-in
Weight Options	
EONGSW305	Weight- SST 5/8in (0.625in) Diam X 4in long with eyebolt, 6 oz
EONGSW310	Weight- SST 1in diam X 3in long with eyebolt, 11oz
Rope Options	
EONFSR270	Rope Polypropylene 3/16in Hollow Braid White, 1000ft
EONFSR271	Rope Polypropylene 3/16in Hollow Braid White, 3000ft
EONFSR265	Rope Polypropylene 1/8in Hollow Braid Yellow, 1000ft
EONFSR266	Rope Polypropylene 1/8in Hollow Braid Yellow, 3000ft

Option 2	To fit insider a 50mm well, and client requires a 600ml sample
Hydrasleeve	
EONGSH110	HydraSleeve 1.5in x 30in 600+ ml (For 2" Sch 80 & larger well)
Weight Options	
EONGSW305	Weight- SST 5/8in (0.625in) Diam X 4in long witheyebolt, 6 oz
EONGSW310	Weight- SST 1in diam X 3in long with eyebolt, 11OZ
Spring Clip Options	
EONGSH300	Spring Clip for 1.5 & 1.7" Hydrasleeve (for 2" wells)
Rope Options	
EONFSR270	Rope Polypropylene 3/16in Hollow Braid White, 1000ft
EONFSR271	Rope Polypropylene 3/16in Hollow Braid White, 3000ft
EONFSR265	Rope Polypropylene 1/8in Hollow Braid Yellow, 1000ft
EONFSR266	Rope Polypropylene 1/8in Hollow Braid Yellow, 3000ft

Option 3	To fit wells that are 60mm or larger - will not fit Aust 2 inch wells due to expansion
Hydrasleeve	
EONGSH130	HydraSleeve, 1.9in x 38in x ~1.3 Litre (For 2" Sch40 & larger well)
Weight Options	
EONGSW310	Weight- SST 1in diam X 3in long with eyebolt, 11oz
Spring Clip Options	
EONGSH300	Spring Clip for 1.5 & 1.7" Hydrasleeve (for 2" wells)
Rope Options	
EONFSR270	Rope Polypropylene 3/16in Hollow Braid White, 1000ft
EONFSR271	Rope Polypropylene 3/16in Hollow Braid White, 3000ft
EONFSR265	Rope Polypropylene 1/8in Hollow Braid Yellow, 1000ft
EONFSR266	Rope Polypropylene 1/8in Hollow Braid Yellow, 3000ft